



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

Abonnementsprijzen per (kalender)jaar:

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

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BIC: INGBNL2A

Introduction

Patent Bulletin

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

Official Journal

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

Subscription rates per calendar year:

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

Visiting address: **Netherlands Patent Office**

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Iban: NL41INGB070500129

BIC: INGBNL2A

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Rubriek NP1 Bevat gegevens betreffende octrooiaanvragen die zijn ingeschreven op grond van de Octrooiwet 1995.	8 Heading NP1 Contains data concerning Netherlands patent applications which have been entered in the patent register under the Patents Act 1995.	8
Rubriek NP2 Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	14 Heading NP2 Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	14
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	19 Heading NP3 Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	19
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	20 Heading EP1 Contains data concerning translations of the conclusions of European patent applications.	20
Rubriek EP2 Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	21 Heading EP2 Contains data concerning European patents granted for The Netherlands.	21
Rubriek EP3 Bevat gegevens betreffende voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend conform artikel 52 lid 1 of 6 van de Octrooiwet 1995.	146Heading EP3 Contains data concerning European patents granted for The Netherlands in which a translation was filed confirm Article 52 par. 1 or 6 of the Patents Act 1995.	146
Rubriek EP4 Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	171Heading EP4 Contains data concerning European patents granted in amended form for the Netherlands.	171
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Europese octrooien waarvoor een gewijzigde vertaling is ingediend.

The Netherlands in which an amended translation was filed.

Rubriek SPC

Bevat gegevens betreffende ingeschreven en verleende certificaten

173Heading SPC

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

173

Rubriek VB1

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

174Heading VB1

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

174

Rubriek VB2

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

175Heading VB2

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

175

Rubriek MED

Bevat gegevens betreffende overige mededelingen.

176Heading MED

Contains data concerning other communications.

176

Rubriek VRV

Bevat gegevens betreffende verval of nietigverklaring.

180Heading VRV

Contains data concerning lapse or annulment.

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Rubriek VRB

Bevat gegevens betreffende verbeteringen op eerdere publicaties.

195Heading VRB

Contains data concerning corrections on earlier publications.

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Rubriek CO

Bevat gegevens betreffende wijzigingen in het octrooiregister.

196Heading CO

Contains data concerning changes in the Netherland patent register.

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Rubriek TVH

Bevat gegevens betreffende topografieën van halfgeleiderproducten.

199Heading TVH

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

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Rubriek UP1	200	Heading UP1	200
Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.		Contains data concerning European patents with registered Unitary Effect.	
Rubriek UP2	201	Heading UP2	201
Bevat gegevens over Europese octrooien met geregistreerd verzoek ex. artikel 52a (herstel recht op validatie).		Contains data concerning European patents with registered request ex article 52a (restoration of validation right).	
Rubriek UP3	202	Heading UP3	202
Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en complete validatie.		Contains data concerning European patents with accepted ex article 52a (restoration of validation right) and validation completed.	
Rubriek UP4	203	Heading UP4	203
Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en geen complete validatie.		Contains data concerning European patents with accepted request ex article 52a (restoration of validation right) and incomplete validation.	
Rubriek UP5	204	Heading UP5	204
Bevat gegevens over Europese octrooien met afgewezen verzoek ex. artikel 52a (herstel recht op validatie).		Contains data concerning European patents with rejected request ex article 52a (restoration of validation right).	
Rubriek UP6	205	Heading UP6	205
Bevat gegevens over Europese octrooien met ingetrokken verzoek ex. artikel 52a (herstel recht op validatie).		Contains data concerning European patents with withdrawn request ex article 52a (restoration of validation right).	

Overzicht van Inid codes

INID CODES

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

INID CODES

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

(11) Octrooinummer	(11) Patent number
(13) Soort document volgens WIPO standaard 16	(13) Kind of document code according to WIPO standard ST.16
(15) Correctie informatie	(15) Patent correction information
(21) Octrooiaanvraagnummer	(21) Application number
(22) Datum van indiening	(22) Date(s) of filing application(s)
(23) Datum tentoonstelling	(23) Date of exhibition
(25) Taal van indiening	(25) Language in which the published application was originally filed
(26) Taal waarin de aanvraag is gepubliceerd	(26) Language in which the application is published
(30) Voorrangsgegevens	(30) Priority Data
(31) Nummer voorrang	(31) Number(s) assigned to priority application(s)
(32) Datum voorrang	(32) Date(s) of filling of priority application(s)
(33) Land van herkomst voorrang	(33) WIPO Standard ST.3 Code indentifying the national patent office allotting the priority application number or the organization allotting the regional priority application number: for international applications filed under the PCT, the code "WO" is used.
(34) Oorspronkelijk land van indiening	(34) For priority fillings under the regional or international arrangements, the WIPO Standard ST.3 Code indentifying at least one country party to the Paris Union for which the regional or international application was made.
(40) Datum van inschrijving	(40) Date(s) of making available to the public
(41) Datum van inschrijving van een octrooiaanvraag	(41) Date of making available to the public by viewing, or copying on request an unexamined patent document, on which no grant has taken place on or before the said date.
(42) Datum van inschrijving van een onderzochte aanvraag (openbaarmaking)	(42) Date of making available to the public by viewing, or copying on request an examined patent document, on which no grant has taken place on or before the said date.
(43) Datum waarop de aanvraag ter inzage is gelegd	(43) Date of publication by printing or similar process of anexamined document on which no grant has taken place on or before said date

(44) Datum van openbaarmaking	(44) Date of publication by printing or similar process of an examined document on which no grant has taken place on or before said date
(45) Datum van kracht worden van een Europees octrooi in Nederland	(45) Date of publication by printing or similar process of a document on which no grant has taken place on or before said date
(46) Inschrijvingsdatum conclusies	(46) Date of publication by printing or similar process of the claim(s) only of a document
(47) Verleningsdatum octrooi	(47) Date from which the patent takes effect
(48) Datum waarop een verbetering van een octrooi is uitgegeven	(48) Date of issuance of a corrected patent document
(51) Internationale Octrooiclassificatie	(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) A01G 9/02 A01G 27/06 A47G 7/04	combinatie, een stal voor het houden van dieren en een dergelijk systeem	(71) South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences Guangzhou Yudeshui Biotechnology Co. Ltd
(21) 1044236 (22) 14.12.2021 (54) PLANT HOLDER (71) Floriate Holding B.V. (72) Franciscus Gerardus Timmerman drs Robertus Cornelis Gerardus Admiraal	(71) Lely Patent N.V. (74) ir. M.J.F.M. Corten (72) Harm Jorna Robin Andreas Albertus van Kester Michiel Adriaan van Dorp Dogan Özmen (41) 18.01.2023	(74) V. Mellet (72) Hongbiao Dong Jiasong Zhang Hua Li Yafei Duan Ying Liu
(31) 1044100 (32) 15.07.2021 (33) Netherlands	(51) A01K 1/01 A01K 5/02 (21) 2028703 (22) 12.07.2021	(41) 20.01.2023 (51) A22C 21/00 A22B 5/00
(51) A01G 22/05 A01G 9/14 A01G 31/02 (21) 2028714 (22) 13.07.2021 (54) Continuous cultivation of plants (71) Saia Holding B.V. (74) ir. J.C. Volmer c.s. (72) Ruud Barth Bart Adrianus Johannes van Tuijl (41) 18.01.2023	(54) Systeem en werkwijze voor het verwijderen van mest van een vloer in een stal voor dieren, alsmede in combinatie, een stal voor het houden van dieren en een dergelijk systeem (71) Lely Patent N.V. (74) ir. M.J.F.M. Corten (72) Harm Jorna Robin Andreas Albertus van Kester Michiel Adriaan van Dorp Dogan Özmen (41) 18.01.2023	(21) 2028710 (22) 13.07.2021 (54) System and method for processing a carcass part (71) Marel Poultry B.V. (74) ir. A. Blokland c.s. (72) Mike Christiaan Maria Mooren Maurice Eduardus Theodorus van Esbroeck Paul Godefridus Gerardus Amts (41) 18.01.2023
(51) A01G 22/40 (21) 2028712 (22) 13.07.2021 (54) WIDE AND NARROW ROW CULTIVATION METHOD FOR SOYBEANS IN ARID AREAS (71) INNER MONGOLIA UNIVERSITY (74) ir. W.J.J.M. Kempes (72) Dejian Zhang Zhanyuan Lu Yuchen Cheng Jinlong Li Cuizhi Ping Lidan Gao Jianguo Wang Xiangqian Zhang Dongxian Sun Xiaoqing Zhao Wa Gao Juan Li Da Ha Pu Wang Rihua Xu Guanhua Li Dongmei Ren Guoying Zhang Feng Sun	(51) A01K 1/01 A01K 5/02 (21) 2028701 (22) 12.07.2021 (54) Systeem en werkwijze voor het uitvoeren van een diergerelateerde handeling, alsmede in combinatie, een stal voor het houden van dieren en een dergelijk systeem (71) Lely Patent N.V. (74) ir. M.J.F.M. Corten (72) Harm Jorna (41) 18.01.2023 (51) A01K 29/00 (21) 2028749 (22) 16.07.2021 (54) Monitoring system for growth monitoring individual livestock animals (71) Lely Patent N.V. (74) ir. M.J.F.M. Corten (72) Ingrid Elisabeth Maria den Uijl Markéta Juzlová Tibor Szolár (41) 23.01.2023 (51) A01K 63/04 C02F 1/52 (21) 2028720 (22) 14.07.2021 (54) Recirculating aquaculture system based on heterotopic treatment of bio-floc and using method thereof	(51) A45B 25/06 (21) 2032411 (22) 07.07.2022 (54) Rotary Replaceable Umbrella Nest Assembly for An Umbrella (71) TEMPO MANUFACTURING LLC. (74) dr. J. van Straaten (72) Xiong Luo (31) 202110811050.8 (32) 19.07.2021 (33) China (51) A61K 9/14 A61K 47/38 (21) 2028762 (22) 16.07.2021 (54) Micelle-generating formulations for enhanced bioavailability (71) SeraNovo Holding B.V. (74) ir. H.A. Witmans c.s. (72) Michiel van Speybroeck Christian Degeling Michel van de Graaff Niall Hodgins (41) 23.01.2023 (51) A61K 9/50 A61K 31/352 A61K 47/14 A61P 3/04 A61P 3/10 A61P 25/00 A61P 25/04 A61P 25/22
(51) A01K 1/01 (21) 2028702 (22) 12.07.2021 (54) Systeem en werkwijze voor het verwijderen van mest van een vloer in een stal voor dieren, alsmede in		

A61P 25/26	Xin Ning	(54) Apparatus for analysing a biological sample for diagnostics purposes
(21) 2028708	Yanlin Feng	(71) Micronit Holding B.V.
(22) 13.07.2021	Jimin Cao	(74) dr. ir. G.J.C. Verdijck c.s.
(54) Process for preparing cannabinoid-containing particles	(31) 202110805154.8	(72) Ronny van 't Oever
(71) Stabican B.V.	(32) 16.07.2021	(41) 20.01.2023
(74) dr. T. Hubregtse	(33) China	
(72) Robin de Bruijn	(51) A61M 25/01	(51) B04B 7/12
(41) 18.01.2023	(21) 2028747	B04B 1/04
(51) A61K 9/50	(22) 15.07.2021	(21) 2028726
A61K 47/10	(54) Steerable instrument for endoscopic or invasive applications	(22) 14.07.2021
A61K 47/14	(71) Fortimedix Assets II B.V.	(54) PLATE TYPE ROTATIONAL SEPERATOR
A61P 21/00	(74) dr. R.C. van Duijvenbode c.s.	(71) Biorganics UFT B.V.
A61P 21/04	(72) Mattheus Hendrik Louis Thissen	(74) dr. ir. G.J.C. Verdijck c.s.
A61P 25/06	Marcel Antonius Elisabeth Verbeek	(72) Andreas Tiemann
A61P 25/08	(41) 23.01.2023	(41) 20.01.2023
A61P 25/26	(51) A61M 25/01	(51) B07C 5/34
A61K 31/122	A61B 1/005	D06F 93/00
A61K 31/355	A61B 17/00	B07C 5/36
A61K 31/4415	(21) 2028739	B65G 47/00
A61K 31/465	(22) 15.07.2021	(21) 2028700
A61K 31/59	(54) Steerable instrument for endoscopic or invasive applications	(22) 12.07.2021
A61K 31/485	(71) Fortimedix Assets II B.V.	(54) Automated clothes sorting installation comprising an assembly of a buffering-sorting conveyor and a diverting conveyor.
(21) 2028709	(74) dr. R.C. van Duijvenbode c.s.	(71) Van Remundt Beheer B.V.
(22) 13.07.2021	(72) Roy Christiaan Louisa Velter	(74) ir. J.C. Volmer c.s.
(54) Process for preparing particles comprising an encapsulated lipid	Mattheus Hendrik Louis Thissen	(72) Nicolaas Hyacinthus Maria van Remundt
(71) Stabican B.V.	(41) 23.01.2023	(41) 18.01.2023
(74) dr. T. Hubregtse	(51) A61P 9/12	(51) B21D 3/14
(72) Robin de Bruijn	A61K 36/21	C21D 9/00
(41) 18.01.2023	A61K 36/74	C21D 11/00
(51) A61K 31/122	(21) 2028915	(21) 2028713
A61P 35/00	(22) 03.08.2021	(22) 13.07.2021
(21) 2031225	(54) PREPARATION METHOD OF TRADITIONAL CHINESE MEDICINE EXTRACT WITH ANTIHYPERTENSIVE EFFECT	(54) METHOD FOR CORRECTING SHAPE DISTORTION OF ALUMINUM/MAGNESIUM ALLOY THIN-WALLED CABIN DURING MANUFACTURING
(22) 09.03.2022	(71) Henan Academy of Traditional Chinese Medicine	(71) HARBIN INSTITUTE OF TECHNOLOGY
(54) USE OF DIANTHRONE COMPOUND IN PREPARATION OF ANTI-TUMOR DRUG	(74) dr. T. Wittop Koning PhD	(74) ir. W.J.J.M. Kempes
(71) National Institutes for Food and Drug Control	(72) Xin Lu	(72) Jiantang Jiang
Institue of Materia Medica Chinese Academy of Medical Science	Wanqian Tu	Yong Yuan
(74) ir. M.B. Plaggenborg	Liuji Zhang	Hao Jiang
(72) Shuangcheng Ma	Yu Zhang	Wenzhu Shao
Hua Sun	Bingfan Wu	Liang Zhen
Qi Wang	Xiangyang Li	(41) 18.01.2023
Xueting Wang	Kaiyan Li	(51) B29C 51/02
Feng Wei	Manyu Xia	B29C 51/26
Jianbo Yang	(31) 202110814563.4	(21) 2028740
Ting Ouyang	(32) 19.07.2021	(22) 15.07.2021
Zihan Chen	(33) China	(54) Method of manufacturing packaging components with pre-applied seal
Yunfei Song	(51) B01F 23/2361	(71) Hordijk Verpakkingsindustrie Zaandam B.V.
Zhiwei Chen	B01F 35/71	(74) ir. J.C. Volmer c.s.
Huiyu Gao	(21) 2028743	(72) Simon Jacob Kat
(31) 202110806685.9	(22) 15.07.2021	(41) 23.01.2023
(32) 16.07.2021	(54) DEVICE FOR ADDING A GAS AND/OR ADDITIVE TO A LIQUID AND USE OF SUCH A DEVICE	(51) B32B 27/18
(33) China	(71) VORTICE B.V.	B32B 27/30
(51) A61L 24/00	(74) W.J. Slikker	B32B 27/32
(21) 2030614	(72) John William Spaven	B32B 27/08
(22) 19.01.2022	Robin Michiel Hoenderdos	(21) 2032556
(54) VIRUS-SHAPED SILICON DIOXIDE AND GRAPHENE COMPOSITE MATERIAL. PREPARATION METHOD AND APPLICATION THEREOF TECHNICAL FIELD	(51) B01L 3/00	(22) 20.07.2022
(71) Shanxi Medical University	B01L 9/00	(54) STORED ELASTOMER COMPOSITES
(74) ir. W.J.J.M. Kempes	B01L 7/00	(71) Beyond Lotus LLC
(72) Jianlin Wang	(21) 2028727	(74) ir. H.A. Witmans c.s.
	(22) 14.07.2021	

(72) Prachi A. Dhavale Dhaval A. Doshi (31) 63/352,501 63/223,772 (32) 15.06.2022 20.07.2021 (33) United States of America United States of America	(54) MODIFIED ATMOSPHERE PACKAGING UNIT, METHOD FOR MANUFACTURING SUCH UNIT, AND USE THEREOF (71) Huhtamaki Molded Fiber Technology B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Steve Davey Vincent Biencourt Harald John Kuiper (41) 23.01.2023	Hao Shang Malan Yi Lu Zhang Jiangnan Wang Yingjie Zhao Huiting Li Tingfeng Wang (41) 23.01.2023 (31) 202111136889.2 (32) 27.09.2021 (33) China
(51) B60R 9/048 B60R 9/10 (21) 2028736 (22) 15.07.2021 (54) Grijpersamenstel (71) Indes Holding B.V. (74) ir. H.A. Witmans c.s. (72) Bart Heinrich Andres Koehorst (41) 20.01.2023	(51) B66C 1/10 B66C 13/06 F03D 13/10 F03D 13/40 (21) 2028741 (22) 15.07.2021 (54) upend crane and installation vessel (71) Itrec B.V. (74) ir. J.C. Volmer c.s. (72) Diederick Bernardus Wijning Joop Roodenburg (41) 23.01.2023	(51) C04B 18/00 (21) 2032455 (22) 12.07.2022 (54) BROKEN BRICK AND WASTE GLASS AGGREGATE CONCRETE FOR REAMED PILES AND PREPARATION METHOD THEREOF (71) HuangHuai University Zhengzhou University ZhengZhou University Multi-functional Design and Research Academy Co. Ltd. Tonghe Zhou (74) ir. W.J.J.M. Kempes (72) Xiuyun Chen Yuancheng Guo Yan Yang Tonghe Zhou Dongzhao Hu (31) 202110797418.X (32) 14.07.2021 (33) China
(51) B62J 7/04 B62J 15/02 (21) 2028722 (22) 14.07.2021 (54) BICYCLE COMPRISING A REAR RACK (71) Koninklijke Gazelle N.V. (74) ir. A.R. Aalbers (72) Guido van Rijckevorsel Johannes Antonius Bernardus Huirne (41) 20.01.2023	(51) B66C 23/18 B66C 1/10 F03D 13/10 (21) 2028729 (22) 15.07.2021 (54) Pile holder, vessel and pile installation method (71) Itrec B.V. (74) ir. J.C. Volmer c.s. (72) Terence Willem August Vehmeijer (41) 20.01.2023	(51) C05F 5/00 (21) 2032922 (22) 31.08.2022 (54) Mass-Production Comprehensive Vinasse Treatment Process And System (71) Chih-Yuan Tsou Chi-Hui Tsou (74) dr. A.V. Huygens (72) Shuang Chen Yongzhong Jin Chih-Yuan Tsou Chi-Hui Tsou Tao Yang Xuefei Hu (31) 202111019359.X (32) 01.09.2021 (33) China
(51) B65B 9/093 B65B 57/12 B65B 43/26 B65B 57/14 (21) 2028767 (22) 16.07.2021 (54) Device for packaging of medicine-units (71) DD Innovations B.V. (74) ir. M. van der Velden (72) Dennis Raymond Bijlsma (41) 23.01.2023	(51) B66F 1/00 B66F 3/24 B66F 3/46 (21) 2028715 (22) 13.07.2021 (54) Storage tank jacking apparatus (71) Xalena Beheer B.V. (74) ir. J.C. Volmer c.s. (72) Alexander de Jonge (41) 18.01.2023	(51) C08K 5/00 C08J 11/04 C08K 3/36 (21) 2028780 (22) 19.07.2021 (54) A method for functionalizing micronized rubber powders (71) Atlantis Rubber Powders B.V. (74) ir. A. Blokland c.s. (72) Justin Damster Christopher Michael Twigg Jan Anne Jonkman (41) 23.01.2023
(51) B65D 65/46 B65D 85/72 D21J 3/00 B32B 23/02 (21) 2028756 (22) 16.07.2021 (54) MOULDED FIBER CONTAINER FOR DAIRY PRODUCTS, METHOD FOR MANUFACTURING SUCH CONTAINER AND USE THEREOF (71) Huhtamaki Molded Fiber Technology B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Harald John Kuiper Vincent Biencourt (41) 23.01.2023	(51) B68B 5/00 A01K 27/00 B68C 1/00 (21) 2028752 (22) 16.07.2021 (54) Grootvee Ilijn-ontgrendeling. (71) Cornelis Barthelomeus van Dongen (74) ir. J.C. Volmer c.s. (72) Cornelis Barthelomeus van Dongen (41) 23.01.2023	(51) C12C 12/00 C12C 12/04 C12C 11/00 C12C 11/02 C12G 3/021 C12G 3/025
(51) B65D 81/20 B65D 65/46 B32B 23/02 D21J 3/00 (21) 2028760 (22) 16.07.2021	(51) C02F 3/34 C12N 1/20 (21) 2032098 (22) 08.06.2022 (54) AEROBIC DENITRIFYING BACTERIA FOR DENITRIFYING TAIL WATER OF MARICULTURE AND APPLICATION THEREOF (71) TIANJIN RESEARCH INSTITUTE FOR WATER TRANSPORT ENGINEERING,M.O.T. (74) dr. T. Wittop Koning PhD (72) Fang Chang Zhendong Li	

(21) 2028706	(51) F03D 13/25	F21V 31/04
(22) 12.07.2021	E04H 12/08	(21) 2028757
(54) METHOD OF PRODUCING	F03D 13/20	(22) 16.07.2021
FERMENTED MALT-BASED LIQUID	E02D 27/42	(54) Explosion safe illumination unit and
(71) Asahi Group Holdings, Ltd.	E04H 12/34	method for manufacturing an explosion
(74) dr. ir. G.J.C. Verdijck c.s.	(21) 2028735	safe illumination unit
(72) Miho Miyoshi	(22) 15.07.2021	(71) Orga Holding B.V.
Yuka Ikeda	(54) SLIP JOINT IN AN OFFSHORE WIND	(74) ir. H.A. Witmans c.s.
Makiko Onishi	TURBINE	(72) Thomas Leeuwangh
Tomomasa Kanda	(71) Itrec B.V.	Masai Mara de Wit
Tadahiro Sunagawa	(74) ir. J.C. Volmer c.s.	Andreüs Pieter de Bakker
(41) 18.01.2023	(72) Diederick Bernardus Wijning	Roelf Albert Roskam
(51) E02D 5/12	(41) 20.01.2023	(41) 23.01.2023
E02D 5/10	(51) F03D 13/25	(51) F24S 30/20
(21) 2028718	F03D 13/10	(21) 2031614
(22) 13.07.2021	B66C 1/10	(22) 19.04.2022
(54) WERKWIJZE VOOR HET PLAATSEN	(21) 2028730	(54) System for Collecting and Converting
VAN AFSCHIEDINGSPLANKEN	(22) 15.07.2021	Heat Energy by Using Residential Solar
IN EEN BODEM EN EEN	(54) INSTALLATION OF A ROTOR BLADE	Energy
AFSCHIEDINGSPLANK VOOR HET	IN HORIZONTAL ORIENTATION TO	(71) Jilin Jianzhu University
ONDERLING KOPPELEND PLAATSEN	THE HUB OF A HORIZONTAL AXIS	(74) dr. T. Wittop Koning PhD
VAN AFSCHIEDINGSPLANKEN	OFFSHORE WIND TURBINE THAT IS	(72) Ruozhu Wang
(71) NIGTEVECHT BEHEER B.V.	LOCATED OFFSHORE	Yongmei Qian
(74) ir. M.B. Plaggenborg	(71) Itrec B.V.	Lei Niu
(72) G.J. de Kroon	(74) ir. J.C. Volmer c.s.	Xin Jiang
(41) 18.01.2023	(72) Diederick Bernardus Wijning	Xinying Xie
(51) E04H 15/18	David Roodenburg	Lina Xu
E04F 10/06	(41) 20.01.2023	Wei Tian
E04B 1/00	(51) F04C 2/08	Yujie Jin
(21) 2028725	F04C 2/10	Chunfeng Zhu
(22) 14.07.2021	F04C 11/00	Jingwei Cai
(54) Terrasoverkapping	F04C 15/00	(41) 23.01.2023
(71) Alcre (Best) B.V.	(21) 2028699	(51) G01N 33/68
(74) ir. A. Blokland c.s.	(22) 12.07.2021	G01N 33/72
(72) Dan Nae	(54) Cooled motor pump unit with crescent	G01N 33/543
(41) 20.01.2023	gear pump	(21) 2030266
(51) E05B 9/04	(71) Power Packer North America, Inc.	(22) 23.12.2021
(21) 2028758	(74) ir. J.C. Volmer c.s.	(54) COMBINATION KIT AND METHOD FOR
(22) 16.07.2021	(72) Johnny Antonius Jacobus Wiggemans	PREDICTING CHILDHOOD ASTHMA
(54) Cilinderslotsamenstel	Marcel Gerardus Maria Nieuwenhuis	ATTACK
(71) M & C Protect B.V.	(41) 18.01.2023	(71) WUXI CHILDREN'S HOSPITAL
(74) ir. H.A. Witmans c.s.	(51) F15B 1/26	(74) ir. F.A. Geurts c.s.
(72) Cornelis Jacobus Johannes Marinus	F15B 21/14	(72) Ying Zhou
Overbeeke	F15B 21/0423	Yubao Cui
(41) 23.01.2023	(21) 2028732	Siyan Yu
(51) F02C 3/32	(22) 15.07.2021	(31) 202110798569.7
F02C 7/12	(54) HYDRAULIC OIL TANK WITH	(32) 15.07.2021
F02C 7/18	GRAPHENE-COATED HEAT	(33) China
(21) 2032035	TRANSFER FAN DRIVEN BY OIL	(51) G01V 9/00
(22) 31.05.2022	RETURN POWER	G01V 11/00
(54) MARINE GAS TURBINE WITH	(71) HARBIN INSTITUTE OF TECHNOLOGY	(21) 2030301
SPECIAL-SHAPED LOBE EJECTOR	(74) ir. W.J.J.M. Kempes	(22) 26.12.2021
MIXER	(72) Songjing Li	(54) SYSTEM FOR COMPREHENSIVELY
(71) HARBIN ENGINEERING UNIVERSITY	Jinghui Peng	MONITORING ROCK MASS
(74) ir. M.B. Plaggenborg	Lujia Li	DEGRADATION OF HYDRO-
(72) Yue Yin	(41) 20.01.2023	FLUCTUATION BELT OF BANK SLOPE
Limin Zhang	(51) F21S 8/08	IN VALLEY AREA AND MONITORING
Shaowei Zhou	F21V 33/00	METHOD
Yigang Luan	(21) 1044101	(71) Wuhan Center, China Geological Survey
Hao Fu	(22) 15.07.2021	(Central South China Innovation Center
Yanchen Hu	(54) Verlichtingsarmatuur, vervaardigd uit	for Geosciences)
Hongfei Ma	composietmateriaal met rijstvlies	(74) dr. T. Wittop Koning PhD
Zhongyi Wang	(71) Van der Stouwe Holding BV	(72) Zhenwei Dai
Haiou Sun	(72) Ing. Jan-Martijn van der Stouwe	Shengtao Zhou
(31) 202110799087.3	(41) 20.01.2023	Yueping Yin
(32) 15.07.2021	(51) F21V 5/00	Bolin Huang
(33) China	F21V 25/12	Xiaolin Fu
		YanJun Zhang

Anle Zhang	geldelijke fooien, gerelateerd aan	Michael Behnke
(41) 23.01.2023	waarderingsreviews	Hans Fritz
(31) 202111040035.4	(71) Silvana Shahot	(31) 10 2021 118 561.0
(32) 06.09.2021	(72) Silvana Shahot	(32) 19.07.2021
(33) China	(41) 20.01.2023	(33) Germany
(51) G01V 99/00	(51) G06T 7/00	(51) H01R 12/70
(21) 2028764	G06T 7/11	H01R 12/71
(22) 16.07.2021	(21) 2029876	(21) 2032114
(54) Method for identifying submarine hydrothermal sulphide ore spots by utilizing gravity anomaly lines	(22) 23.11.2021	(22) 09.06.2022
(71) The First Institute of Oceanography, MNR Pilot National Laboratory for Marine Science and Technology (Qingdao)	(54) DEEP RESIDUAL NETWORK-BASED CLASSIFICATION SYSTEM FOR THYROID CANCER COMPUTED TOMOGRAPHY (CT) IMAGES	(54) CLOSED LOOP COMPRESSED CONNECTOR PIN
(74) S. Eeckhaoudt PhD	(71) Yantai Yuhuangding Hospital	(71) Intel Corporation
(72) Shijuan Yan	(74) dr. ir. G.J.C. Verdijck c.s.	(74) dr. A. Krebs
Yun Ye	(72) Ning Mao	(72) Xiang Li
Gang Yang	Haicheng Zhang	George Vergis
Zhiwei Zhu	Jingjing Li	Konika Ganguly
Chuanshun Li	Cai Wang	(31) US 17/375,558
Mu Huang	Wenbin Zhang	(32) 14.07.2021
Chengfei Hou	Xicheng Song	(33) United States of America
Fengli Yang	Xinxin Wu	(51) H02J 3/00
Xinyu Shi	(31) 202110812511.3	H02J 13/00
Yue Zhao	(32) 19.07.2021	G05B 13/02
(41) 23.01.2023	(33) China	(21) 2032507
(51) G02B 6/06	(51) G06T 7/10	(22) 15.07.2022
(21) 2028728	(21) 2028748	(54) SYSTEMS AND METHODS FOR MANAGING UNDESIRE EFFECTS PRODUCED BY HORTICULTURAL LIGHTING SOURCES IN AN ELECTRICAL GRID
(22) 14.07.2021	(22) 15.07.2021	(71) SOLLUM TECHNOLOGIES INC.
(54) IMAGE CAPTURING DEVICE AND METHOD FOR CAPTURING AN IMAGE	(54) Automatic segmentation and identification method of spinal vertebrae based on X-ray film	(74) ir. J.C. Volmer c.s.
(71) Johan Antonie Hijmering	(71) The affiliated hospital of Qingdao University	(72) Jacques Poirier
(74) dr. ir. G.J.C. Verdijck c.s.	(74) S. Eeckhaoudt PhD	Marc Tremblay
(72) Johan Antonie Hijmering	(72) Yongming Xi	Francois Roy-Moisson
(41) 20.01.2023	Huan Yang	Florence Longpré
(51) G03F 7/20	Yukun Du	Gabriel Dupras
H05G 2/00	Tongshuai Xu	(31) 63/267,855
(21) 2032512	(41) 20.01.2023	63/203,304
(22) 15.07.2022	(51) G07F 17/00	(32) 11.02.2022
(54) CIRCULATION MECHANISM AND OPERATION APPARATUS	G07F 11/24	16.07.2021
(71) Ushio Denki Kabushiki Kaisha	G07F 11/38	(33) United States of America
(74) ir. H.Th. van den Heuvel c.s.	G07F 11/42	United States of America
(72) Akihisa Nagano	G07F 11/50	(51) H02J 3/01
(31) 2021-118821	G07F 11/54	H02P 27/06
(32) 19.07.2021	G07F 11/62	(21) 2032361
(33) Japan	G07F 11/64	(22) 04.07.2022
(51) G04B 17/06	(21) 2028766	(54) Motor control system and method
G04B 17/04	(22) 16.07.2021	(71) SHANDONG BOCHENG ELECTRIC CO., LTD.
G04B 18/00	(54) Medicine unit container for use in a medicine unit	(74) ir. H.Th. van den Heuvel c.s.
(21) 2028796	(71) DD Innovations B.V.	(72) Chao Yin
(22) 20.07.2021	(74) ir. M. van der Velden	Donghai Bai
(54) Method of manufacturing a plurality of mechanical resonators in a manufacturing wafer	(72) Dennis Raymond Bijlsma	Bing Liu
(71) Flexous Mechanisms IP B.V.	(41) 23.01.2023	Feng Li
(74) mr. ir. J. van Breda c.s.	(51) H01J 37/28	Shaonan Sun
(72) Eola Jessica Giuffre	H01J 37/302	Kongfei Chu
Maarten Pieter Lustig	(21) 2032542	(31) 202110797385.9
(41) 23.01.2023	(22) 19.07.2022	(32) 14.07.2021
(51) G06Q 20/22	(54) Method for operating a multi-beam particle microscope with fast closed-loop beam current control, computer program product and multi-beam particle microscope	(33) China
G06Q 50/10	(71) Carl Zeiss MultiSEM GmbH	(51) H02J 3/18
(21) 1044099	(74) ir. H.A. Witmans c.s.	H02J 13/00
(22) 14.07.2021	(72) Ingo Mueller	(21) 2032506
(54) Systeem voor het via een website versturen resp. ontvangen van	Nicolas Kaufmann	(22) 15.07.2022
		(54) SYSTEMS AND METHODS FOR MONITORING AND MANAGING REACTIVE POWER FROM HORTICULTURAL LIGHTING SOURCES IN AN ELECTRICAL GRID

- (71) SOLLUM TECHNOLOGIES INC. (32) 16.07.2021
(74) ir. J.C. Volmer c.s. (33) Germany
(72) Francois Roy-Moisan
Jacques Poirier
Marc Tremblay
Gabriel Dupras
Florence Longpré
(31) 63/203,304
(32) 16.07.2021
(33) United States of America
-
- (51) H02S 20/23
(21) 2028738
(22) 15.07.2021
(54) Dakvlak en bevestigingssteun
(71) Schuurman Beheer B.V.
(74) drs. A.A. Jilderda
(72) Adrianus Franciscus Gerardus
Schuurman
Jacobus Jan Schuurman
(41) 20.01.2023
-
- (51) H04L 67/12
G05B 19/05
(21) 2028737
(22) 15.07.2021
(54) A method, a monitoring system and a
computer program product for monitoring
a network connected controller
(71) aXite Intelligence Services B.V.
(74) ir. H.A. Witmans c.s.
(72) Menno Folkert Cadee
Lambertus Theodorus Willemsen
Tommy Petrus Maria Janssen
(41) 20.01.2023
-
- (51) H04R 1/40
H04R 3/00
H04R 3/02
(21) 2028723
(22) 14.07.2021
(54) Environmental sound loudspeaker
(71) Liquid Oxygen (LOX) B.V.
(74) ir. A.R. Aalbers
(72) Paulus Oomen
Leendert de Klerk
(41) 20.01.2023
-
- (51) H05B 3/40
F24H 1/00
(21) 2028750
(22) 16.07.2021
(54) INFRAROOD-DOORLOOPVERHITTER
(71) LEISTER TECHNOLOGIES AG
(74) dr. R.C. van Duijvenbode c.s.
(72) Adolf Niederberger
Bob Aertsen
Hendrikus Johannes Varossieau
(31) 202020104130.4
(32) 17.07.2020
(33) Germany
-
- (51) H05K 7/14
(21) 2029519
(22) 26.10.2021
(54) A rail-type 8-channel LED strip dimming
module
(71) Liaoning UrHealthCare 2Go Tech Co.,
Ltd.
(74) dr. R.C. van Duijvenbode c.s.
(72) Shuquan Li
(31) 202021103818

NP2

Ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.

Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.

(51) A01G 22/05 A01G 9/14 A01G 31/02 (11) 2028714 (47) 18.01.2023 (22) 13.07.2021 (54) Continuous cultivation of plants (73) Saia Holding B.V. (72) Ruud Barth Bart Adrianus Johannes van Tuijl (74) ir. J.C. Volmer c.s.	(54) Systeem en werkwijze voor het verwijderen van mest van een vloer in een stal voor dieren, alsmede in combinatie, een stal voor het houden van dieren en een dergelijk systeem (73) Lely Patent N.V. (72) Harm Jorna Robin Andreas Albertus van Kester Michiel Adriaan van Dorp Dogan Özmen (74) ir. M.J.F.M. Corten	(54) System and method for processing a carcass part (73) Marel Poultry B.V. (72) Mike Christiaan Maria Mooren Maurice Eduardus Theodorus van Esbroeck Paul Godefridus Gerardus Arnts (74) ir. A. Blokland c.s.
(51) A01G 22/40 (11) 2028712 (47) 18.01.2023 (22) 13.07.2021 (54) WIDE AND NARROW ROW CULTIVATION METHOD FOR SOYBEANS IN ARID AREAS (73) INNER MONGOLIA UNIVERSITY (72) Dejian Zhang Zhanyuan Lu Yuchen Cheng Jinlong Li Cuizhi Ping Lidan Gao Jianguo Wang Xiangqian Zhang Dongxian Sun Xiaoqing Zhao Wa Gao Juan Li Da Ha Pu Wang Rihua Xu Guanhua Li Dongmei Ren Guoying Zhang Feng Sun (74) ir. W.J.J.M. Kempes	(51) A01K 1/01 A01K 5/02 (11) 2028701 (47) 18.01.2023 (22) 12.07.2021 (54) Systeem en werkwijze voor het uitvoeren van een diergerelateerde handeling, alsmede in combinatie, een stal voor het houden van dieren en een dergelijk systeem (73) Lely Patent N.V. (72) Harm Jorna (74) ir. M.J.F.M. Corten	(51) A23L 5/20 A23L 31/00 (11) 2032540 (47) 19.01.2023 (22) 18.07.2022 (54) METHOD FOR REMOVAL OF CADMIUM FROM FRESH LENTINUS EDODES (73) Henan Agricultural University (72) Qian Li Yexuan Mao Yue Shen Yan Ma Bei Zhang Peijun Zhao Yinping Wang Mingwu Qiao Xianqing Huang Dan Hai Lianjun Song Tianlin Wang Xiya Zhang Ning Li Yongxia Cheng Meng Dang Shiqiong Wang Guangshan Zhao Tiange Li Ping'an Zhang Qiuyan Zhao (74) ir. M.B. Plaggenborg
(51) A01K 1/01 (11) 2028702 (47) 18.01.2023 (22) 12.07.2021 (54) Systeem en werkwijze voor het verwijderen van mest van een vloer in een stal voor dieren, alsmede in combinatie, een stal voor het houden van dieren en een dergelijk systeem (73) Lely Patent N.V. (72) Harm Jorna Robin Andreas Albertus van Kester Michiel Adriaan van Dorp Dogan Özmen (74) ir. M.J.F.M. Corten	(51) A01K 29/00 (11) 2028749 (47) 23.01.2023 (22) 16.07.2021 (54) Monitoring system for growth monitoring individual livestock animals (73) Lely Patent N.V. (72) Ingrid Elisabeth Maria den Uijl Markéta Juzlová Tibor Szolár (74) ir. M.J.F.M. Corten	(51) A61K 9/14 A61K 47/38 (11) 2028762 (47) 23.01.2023 (22) 16.07.2021 (54) Micelle-generating formulations for enhanced bioavailability (73) SeraNovo Holding B.V. (72) Michiel van Speybroeck Christian Degeling Michel van de Graaff Niall Hodgins (74) ir. H.A. Witmans c.s.
(51) A01K 1/01 A01K 5/02 (11) 2028703 (47) 18.01.2023 (22) 12.07.2021	(51) A22C 21/00 A22B 5/00 (11) 2028710 (47) 18.01.2023 (22) 13.07.2021	(51) A61K 9/50 A61K 31/352 A61K 47/14 A61P 3/04 A61P 3/10 A61P 25/00 A61P 25/04 A61P 25/22

A61P 25/26	B01L 7/00	(33) China
(11) 2028708	(11) 2028727	(51) B29C 51/02
(47) 18.01.2023	(47) 20.01.2023	B29C 51/26
(22) 13.07.2021	(22) 14.07.2021	(11) 2028740
(54) Process for preparing cannabinoid-containing particles	(54) Apparatus for analysing a biological sample for diagnostics purposes	(47) 23.01.2023
(73) Stabican B.V.	(73) Micronit Holding B.V.	(22) 15.07.2021
(72) Robin de Bruijn	(72) Ronny van 't Oever	(54) Method of manufacturing packaging components with pre-applied seal
(74) dr. T. Hubregtse	(74) dr. ir. G.J.C. Verdijck c.s.	(73) Hordijk Verpakkingindustrie Zaandam B.V.
(51) A61K 9/50	(51) B04B 7/12	(72) Simon Jacob Kat
A61K 47/10	B04B 1/04	(74) ir. J.C. Volmer c.s.
A61K 47/14	(11) 2028726	(51) B60R 9/048
A61P 21/00	(47) 20.01.2023	B60R 9/10
A61P 21/04	(22) 14.07.2021	(11) 2028736
A61P 25/06	(54) PLATE TYPE ROTATIONAL SEPERATOR	(47) 20.01.2023
A61P 25/08	(73) Biorganics UFT B.V.	(22) 15.07.2021
A61P 25/26	(72) Andreas Tiemann	(54) Grijpersamenstel
A61K 31/122	(74) dr. ir. G.J.C. Verdijck c.s.	(73) Indes Holding B.V.
A61K 31/355	(51) B07C 5/34	(72) Bart Heinrich Andres Koehorst
A61K 31/4415	D06F 93/00	(74) ir. H.A. Witmans c.s.
A61K 31/465	B07C 5/36	(51) B60R 9/10
A61K 31/59	B65G 47/00	(11) 2028733
A61K 31/485	(11) 2028700	(47) 20.01.2023
(11) 2028709	(47) 18.01.2023	(22) 15.07.2021
(47) 18.01.2023	(22) 12.07.2021	(54) Fietsdrager
(22) 13.07.2021	(54) Automated clothes sorting installation comprising an assembly of a buffering-sorting conveyor and a diverting conveyor.	(73) Indes Holding B.V.
(54) Process for preparing particles comprising an encapsulated lipid	(73) Van Remundt Beheer B.V.	(72) Bart Heinrich Andres Koehorst
(73) Stabican B.V.	(72) Nicolaas Hyacinthus Maria van Remundt	(74) ir. H.A. Witmans c.s.
(72) Robin de Bruijn	(74) ir. J.C. Volmer c.s.	(51) B62J 7/04
(74) dr. T. Hubregtse	(51) B21D 3/14	B62J 15/02
(51) A61M 25/01	C21D 9/00	(11) 2028722
(11) 2028747	C21D 11/00	(47) 20.01.2023
(47) 23.01.2023	(11) 2028713	(22) 14.07.2021
(22) 15.07.2021	(47) 18.01.2023	(54) BICYCLE COMPRISING A REAR RACK
(54) Steerable instrument for endoscopic or invasive applications	(22) 13.07.2021	(73) Koninklijke Gazelle N.V.
(73) Fortimedix Assets II B.V.	(54) METHOD FOR CORRECTING SHAPE DISTORTION OF ALUMINUM/MAGNESIUM ALLOY THIN-WALLED CABIN DURING MANUFACTURING	(72) Guido van Rijckevorsel
(72) Mattheus Hendrik Louis Thissen	(73) HARBIN INSTITUTE OF TECHNOLOGY	Johannes Antonius Bernardus Huirne
Marcel Antonius Elisabeth Verbeek	(72) Jiantang Jiang	(74) ir. A.R. Aalbers
(74) dr. R.C. van Duijvenbode c.s.	Yong Yuan	(51) B65B 9/093
(51) A61M 25/01	Hao Jiang	B65B 57/12
A61B 1/005	Wenzhu Shao	B65B 43/26
A61B 17/00	Liang Zhen	B65B 57/14
(11) 2028739	(74) ir. W.J.J.M. Kempes	(11) 2028767
(47) 23.01.2023	(51) B28B 17/00	(47) 23.01.2023
(22) 15.07.2021	B28B 1/50	(22) 16.07.2021
(54) Steerable instrument for endoscopic or invasive applications	B28B 23/02	(54) Device for packaging of medicine-units
(73) Fortimedix Assets II B.V.	(11) 2031702	(73) DD Innovations B.V.
(72) Roy Christiaan Louisa Velter	(47) 23.01.2023	(72) Dennis Raymond Bijlsma
Mattheus Hendrik Louis Thissen	(22) 26.04.2022	(74) ir. M. van der Velden
(74) dr. R.C. van Duijvenbode c.s.	(54) AUTOMATIC HANGING WORKSTATION FOR PRODUCING AERATED PLATE	(51) B65D 65/46
(51) B01F 23/2361	(73) Yantai jutong Intelligent Equipment Co.,Ltd.	B65D 85/72
B01F 35/71	(72) Fujia Li	D21J 3/00
(11) 2028743	Xuncheng Wang	B32B 23/02
(47) 23.01.2023	Mingming Wang	(11) 2028756
(22) 15.07.2021	Guangzong Wang	(47) 23.01.2023
(54) DEVICE FOR ADDING A GAS AND/OR ADDITIVE TO A LIQUID AND USE OF SUCH A DEVICE	(74) dr. J. van Straaten	(22) 16.07.2021
(73) VORTICE B.V.	(31) 202110660009.5	(54) MOULDED FIBER CONTAINER FOR DAIRY PRODUCTS, METHOD FOR MANUFACTURING SUCH CONTAINER AND USE THEREOF
(72) John William Spaven	(32) 15.06.2021	(73) Huhtamaki Molded Fiber Technology B.V.
Robin Michiel Hoenderdos		(72) Harald John Kuiper
(74) W.J. Slikker		Vincent Biencourt
(51) B01L 3/00		(74) dr. ir. G.J.C. Verdijck c.s.
B01L 9/00		(51) B65D 81/20
		B65D 65/46

B32B 23/02	(73) TIANJIN RESEARCH INSTITUTE	(74) dr. ir. G.J.C. Verdijk c.s.
D21J 3/00	FOR WATER TRANSPORT	(51) E02D 5/12
(11) 2028760	ENGINEERING, M.O.T.	E02D 5/10
(47) 23.01.2023	(72) Fang Chang	(11) 2028718
(22) 16.07.2021	Zhendong Li	(47) 18.01.2023
(54) MODIFIED ATMOSPHERE	Hao Shang	(22) 13.07.2021
PACKAGING UNIT, METHOD FOR	Malan Yi	(54) WERKWIJZE VOOR HET PLAATSEN
MANUFACTURING SUCH UNIT, AND	Lu Zhang	VAN AFSCHIEDINGSPLANKEN
USE THEREOF	Jiangnan Wang	IN EEN BODEM EN EEN
(73) Huhtamaki Molded Fiber Technology B.V.	Yingjie Zhao	AFSCHIEDINGSPLANK VOOR HET
(72) Steve Davey	Huiting Li	ONDERLING KOPPELEND PLAATSEN
Vincent Biencourt	Tingfeng Wang	VAN AFSCHIEDINGSPLANKEN
Harald John Kuiper	(74) dr. T. Wittop Koning PhD	(73) NIGTEVECHT BEHEER B.V.
(74) dr. ir. G.J.C. Verdijk c.s.	(31) 202111136889.2	(72) G.J. de Kroon
(51) B66C 1/10	(32) 27.09.2021	(74) ir. M.B. Plaggenborg
B66C 13/06	(33) China	(51) E02D 37/00
F03D 13/10	(51) C08K 5/00	C12N 1/20
F03D 13/40	C08J 11/04	E02D 3/00
(11) 2028741	C08K 3/36	C12N 1/38
(47) 23.01.2023	(11) 2028780	(11) 2031188
(22) 15.07.2021	(47) 23.01.2023	(47) 23.01.2023
(54) upend crane and installation vessel	(22) 19.07.2021	(22) 08.03.2022
(73) Itrec B.V.	(54) A method for functionalizing micronized	(54) MICROBIAL REINFORCEMENT
(72) Diederick Bernardus Wijning	rubber powders	METHOD OF FRACTURED ROCK
Joop Roodenburg	(73) Atlantis Rubber Powders B.V.	MASSES
(74) ir. J.C. Volmer c.s.	(72) Justin Damster	(73) HUANENG LANCANG RIVER
(51) B66C 23/18	Christopher Michael Twigg	HYDROPOWER INC.
B66C 1/10	Jan Anne Jonkman	(72) Hongjie Chen
F03D 13/10	(74) ir. A. Blokland c.s.	(74) dr. J. van Straaten
(11) 2028729	(51) C08K 9/10	(31) 202110505587.1
(47) 20.01.2023	C08L 95/00	(32) 10.05.2021
(22) 15.07.2021	C08K 5/103	(33) China
(54) Pile holder, vessel and pile installation	C08K 3/34	(51) E04H 15/18
method	(11) 2026510	E04F 10/06
(73) Itrec B.V.	(47) 19.01.2023	E04B 1/00
(72) Terence Willem August Vehmeijer	(22) 21.09.2020	(11) 2028725
(74) ir. J.C. Volmer c.s.	(54) METHOD FOR PREPARING CAPSULES	(47) 20.01.2023
(51) B66F 1/00	WITH ATTAPULGITE/CALCIUM	(22) 14.07.2021
B66F 3/24	ALGINATE COMPOSITE WALL FOR	(54) Terrasoverkapping
B66F 3/46	ASPHALT SELF-HEALING	(73) Alcre (Best) B.V.
(11) 2028715	(73) Wuhan University of Technology	(72) Dan Nae
(47) 18.01.2023	(72) Quantao Liu	(74) ir. A. Blokland c.s.
(22) 13.07.2021	Shiwen Bao	(51) E05B 9/04
(54) Storage tank jacking apparatus	Shaopeng Wu	(11) 2028758
(73) Xalena Beheer B.V.	Miao Yuan	(47) 23.01.2023
(72) Alexander de Jonge	Jun Xie	(22) 16.07.2021
(74) ir. J.C. Volmer c.s.	Meizhu Chen	(54) Cilinderslotsamenstel
(51) B68B 5/00	(74) ir. H.Th. van den Heuvel c.s.	(73) M & C Protect B.V.
A01K 27/00	(31) 201910934048.2	(72) Cornelis Jacobus Johannes Marinus
B68C 1/00	(32) 29.09.2019	Overbeeke
(11) 2028752	(33) China	(74) ir. H.A. Witmans c.s.
(47) 23.01.2023	(51) C12C 12/00	(51) F03D 13/25
(22) 16.07.2021	C12C 12/04	E04H 12/08
(54) Grootvee lijn-ontgrendeling.	C12C 11/00	F03D 13/20
(73) Cornelis Barthelomeus van Dongen	C12C 11/02	E02D 27/42
(72) Cornelis Barthelomeus van Dongen	C12G 3/021	E04H 12/34
(74) ir. J.C. Volmer c.s.	C12G 3/025	(11) 2028735
(51) C02F 3/34	(11) 2028706	(47) 20.01.2023
C12N 1/20	(47) 18.01.2023	(22) 15.07.2021
(11) 2032098	(22) 12.07.2021	(54) SLIP JOINT IN AN OFFSHORE WIND
(47) 23.01.2023	(54) METHOD OF PRODUCING	TURBINE
(22) 08.06.2022	FERMENTED MALT-BASED LIQUID	(73) Itrec B.V.
(54) AEROBIC DENITRIFYING BACTERIA	(73) Asahi Group Holdings, Ltd.	(72) Diederick Bernardus Wijning
FOR DENITRIFYING TAIL WATER OF	(72) Miho Miyoshi	(74) ir. J.C. Volmer c.s.
MARICULTURE AND APPLICATION	Yuka Ikeda	(51) F03D 13/25
THEREOF	Makiko Onishi	F03D 13/10
	Tomomasa Kanda	B66C 1/10
	Tadahiro Sunagawa	

(11) 2028730	(22) 19.04.2022	(22) 16.07.2021
(47) 20.01.2023	(54) System for Collecting and Converting Heat Energy by Using Residential Solar Energy	(54) Method for identifying submarine hydrothermal sulphide ore spots by utilizing gravity anomaly lines
(22) 15.07.2021	(73) Jilin Jianzhu University	(73) The First Institute of Oceanography, MNR
(54) INSTALLATION OF A ROTOR BLADE IN HORIZONTAL ORIENTATION TO THE HUB OF A HORIZONTAL AXIS OFFSHORE WIND TURBINE THAT IS LOCATED OFFSHORE	(72) Ruozhu Wang	Pilot National Laboratory for Marine Science and Technology (Qingdao)
(73) Itrec B.V.	Yongmei Qian	(72) Shijuan Yan
(72) Diederick Bernardus Wijning	Lei Niu	Yun Ye
David Roodenburg	Xin Jiang	Gang Yang
(74) ir. J.C. Volmer c.s.	Xinying Xie	Zhiwei Zhu
(51) F04C 2/08	Lina Xu	Chuanshun Li
F04C 2/10	Wei Tian	Mu Huang
F04C 11/00	Yujie Jin	Chengfei Hou
F04C 15/00	Chunfeng Zhu	Fengli Yang
(11) 2028699	Jingwei Cai	Xinyu Shi
(47) 18.01.2023	(74) dr. T. Wittop Koning PhD	Yue Zhao
(22) 12.07.2021	(51) G01K 3/04	(74) S. Eeckhaoudt PhD
(54) Cooled motor pump unit with crescent gear pump	(11) 2029813	(51) G02B 6/06
(73) Power Packer North America, Inc.	(47) 18.01.2023	(11) 2028728
(72) Johnny Antonius Jacobus Wiggemans	(22) 18.11.2021	(47) 20.01.2023
Marcel Gerardus Maria Nieuwenhuis	(54) PREPARATION METHOD AND APPLICATION OF CRITICAL TIME-TEMPERATURE INDICATOR FOR MONITORING ACCUMULATED TIME-TEMPERATURE HISTORY OF COLD CHAIN LOGISTICS OF AQUATIC PRODUCTS	(22) 14.07.2021
(74) ir. J.C. Volmer c.s.	(73) Zhejiang Gongshang University	(54) IMAGE CAPTURING DEVICE AND METHOD FOR CAPTURING AN IMAGE
(51) F15B 1/26	Jinghai Group Co., Ltd.	(73) Johan Antonie Hijmering
F15B 21/14	(72) Yanbo Wang	(72) Johan Antonie Hijmering
F15B 21/0423	Linglin Fu	(74) dr. ir. G.J.C. Verdijk c.s.
(11) 2028732	Feifei Wang	(51) G04B 17/06
(47) 20.01.2023	Jian Chen	G04B 17/04
(22) 15.07.2021	Renjie Lian	G04B 18/00
(54) HYDRAULIC OIL TANK WITH GRAPHENE-COATED HEAT TRANSFER FAN DRIVEN BY OIL RETURN POWER	Congnan Cen	(11) 2028796
(73) HARBIN INSTITUTE OF TECHNOLOGY	Xin Cui	(47) 23.01.2023
(72) Songjing Li	(74) drs. C.M.A. Quintelier	(22) 20.07.2021
Jinghui Peng	(31) 202110524140.9	(54) Method of manufacturing a plurality of mechanical resonators in a manufacturing wafer
Lujia Li	(32) 13.05.2021	(73) Flexous Mechanisms IP B.V.
(74) ir. W.J.J.M. Kempes	(33) China	(72) Eola Jessica Giuffrè
(51) F21S 8/08	(51) G01V 9/00	Maarten Pieter Lustig
F21V 33/00	G01V 11/00	(74) mr. ir. J. van Breda c.s.
(11) 1044101	(11) 2030301	(51) G06Q 20/22
(47) 20.01.2023	(47) 23.01.2023	G06Q 50/10
(22) 15.07.2021	(22) 26.12.2021	(11) 1044099
(54) Verlichtingsarmatuur, vervaardigd uit composietmateriaal met rijstvlies	(54) SYSTEM FOR COMPREHENSIVELY MONITORING ROCK MASS DEGRADATION OF HYDRO-FLUCTUATION BELT OF BANK SLOPE IN VALLEY AREA AND MONITORING METHOD	(47) 20.01.2023
(73) Van der Stouwe Holding BV	(73) Wuhan Center, China Geological Survey (Central South China Innovation Center for Geosciences)	(22) 14.07.2021
(72) Ing. Jan-Martijn van der Stouwe	(72) Zhenwei Dai	(54) Systeem voor het via een website versturen resp. ontvangen van geldelijke foien, gerelateerd aan waarderingsreviews
(51) F21V 5/00	Shengtao Zhou	(73) Silvana Shahot
F21V 25/12	Yueping Yin	(72) Silvana Shahot
F21V 31/04	Bolin Huang	(51) G06T 7/10
(11) 2028757	Xiaolin Fu	(11) 2028748
(47) 23.01.2023	YanJun Zhang	(47) 20.01.2023
(22) 16.07.2021	Anle Zhang	(22) 15.07.2021
(54) Explosion safe illumination unit and method for manufacturing an explosion safe illumination unit	(74) dr. T. Wittop Koning PhD	(54) Automatic segmentation and identification method of spinal vertebrae based on X-ray film
(73) Orga Holding B.V.	(31) 20211040035.4	(73) The affiliated hospital of Qingdao University
(72) Thomas Leeuwangh	(32) 06.09.2021	(72) Yongming Xi
Masai Mara de Wit	(33) China	Huan Yang
Andreüs Pieter de Bakker	(51) G01V 99/00	Yukun Du
Roelf Albert Roskam	(11) 2028764	Tongshuai Xu
(74) ir. H.A. Witmans c.s.	(47) 23.01.2023	(74) S. Eeckhaoudt PhD
(51) F24S 30/20		(51) G07F 17/00
(11) 2031614		G07F 11/24
(47) 23.01.2023		

- G07F 11/38
G07F 11/42
G07F 11/50
G07F 11/54
G07F 11/62
G07F 11/64
(11) 2028766
(47) 23.01.2023
(22) 16.07.2021
(54) Medicine unit container for use in a
medicine unit
(73) DD Innovations B.V.
(72) Dennis Raymond Bijlsma
(74) ir. M. van der Velden
-
- (51) H02S 20/23
(11) 2028738
(47) 20.01.2023
(22) 15.07.2021
(54) Dakvlak en bevestigingssteun
(73) Schuurman Beheer B.V.
(72) Adrianus Franciscus Gerardus
Schuurman
Jacobus Jan Schuurman
(74) drs. A.A. Jilderda
-
- (51) H04L 9/08
H04L 9/40
(11) 2031140
(47) 19.01.2023
(22) 02.03.2022
(54) A method for creating a group key
(73) ISTANBUL TEKNİK ÜNİVERSİTESİ
(72) Günes Zeynep Karabulut Kurt
Enver Özdemir
Sueda Ruveyda Güzey
(74) mr. ir. J. van Breda c.s.
(31) 2021/004081
(32) 02.03.2021
(33) Turkey
-
- (51) H04L 67/12
G05B 19/05
(11) 2028737
(47) 20.01.2023
(22) 15.07.2021
(54) A method, a monitoring system and a
computer program product for monitoring
a network connected controller
(73) aXite Intelligence Services B.V.
(72) Menno Folkert Cadée
Lambertus Theodorus Willemsen
Tommy Petrus Maria Janssen
(74) ir. H.A. Witmans c.s.
-
- (51) H04R 1/40
H04R 3/00
H04R 3/02
(11) 2028723
(47) 20.01.2023
(22) 14.07.2021
(54) Environmental sound loudspeaker
(73) Liquid Oxygen (LOX) B.V.
(72) Paulus Oomen
Leendert de Klerk
(74) ir. A.R. Aalbers
-

NP3

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

EP1

Vertaalde conclusies van Europese octrooiaanvragen.

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

(43) 21.12.2022

(11) EP4106267

(51) H04L 9/40

H04L 69/22

(71) BlackBerry (Taiwan) Industrial Networking
Security Ltd.

EP2

Voor Nederland verleende Europese octrooien.

Contains data concerning European patents granted for The Netherlands.

(51) A01B 59/00	(54) SEED MIXTURE AND CULTIVATION METHOD	(54) A PLANT GROWING CABINET
A01B 71/02		(73) Arçelik Anonim Sirketi
(11) EP3906764	(73) Agrodroi GmbH	(72) TOKGOZ, Sedat
(21) EP21157031.2	Linke, Albert	CELIK, Filiz
(47) 25.01.2023	(72) LINKE, Albert	KANDEMIR, Nihat
(22) 15.02.2021	(31) 102018133492	KARAKAYA, Erkan
(54) AGRICULTURAL ASSISTANCE SYSTEM	(32) 21.12.2018	(31) 201721414
(73) CLAAS Tractor S.A.S.	(33) Germany	(32) 25.12.2017
(72) Ehlert, Christian	(51) A01D 57/04	(33) Turkey
Wieckhorst, Jan Carsten	(11) EP3681265	(51) A01K 13/00
Birkmann, Christian	(21) EP18786462.4	A01K 15/04
Meyer, Lennart	(47) 25.01.2023	A01K 29/00
(31) 102020112299	(87) US2018051030	A61D 99/00
(32) 06.05.2020	21.03.2019	H04N 7/18
(33) Germany	(22) 14.09.2018	(11) EP3866587
(51) A01B 61/04	(54) AGRICULTURAL HEADER WITH CONSTANT REEL TO CUTTER RELATIONSHIP	(21) EP19872601.0
(11) EP3251483	(73) CNH Industrial Belgium NV	(47) 25.01.2023
(21) EP17401054.6	(72) FARLEY, Herbert, M.	(87) CA2019051233
(47) 25.01.2023	KEMMERER, Benjamin	23.04.2020
(22) 23.05.2017	(31) 201715705692	(22) 04.09.2019
(54) SUSPENSION DEVICE	(32) 15.09.2017	(54) MONITORING LIVESTOCK
(73) Amazonen-Werke H. Dreyer SE & Co. KG	(33) United States of America	(73) Groupe Ro-Main Inc.
(72) Tanke, Christian	(51) A01F 15/07	(72) LABRECQUE, Jacqueline
(31) 102016110285	(11) EP3586602	GOUINEAU, Frank
(32) 03.06.2016	(21) EP19182713.8	SAVATTE, Pierre
(33) Germany	(47) 25.01.2023	ESTRADE, Dimitri
(51) A01B 79/00	(22) 26.06.2019	RIVEST, Joel
G05D 1/02	(54) CONTINUOUS ROUND BALER AND METHODS OF USING THE SAME	(31) 201962848942 P
A01D 34/00	(73) CNH Industrial Belgium N.V.	201862748774 P
(11) EP3772881	(72) Roberge, Mr. Martin	201862746790 P
(21) EP19714663.2	Denis, Joel	(32) 16.05.2019
(47) 25.01.2023	(31) 201816019226	22.10.2018
(87) EP2019058108	(32) 26.06.2018	17.10.2018
03.10.2019	(33) United States of America	(33) United States of America
(22) 29.03.2019	(51) A01G 3/037	United States of America
(54) METHOD FOR CALCULATING THE AREA OF A WORKING REGION OF A SELF-MOVING DEVICE, ASSOCIATED COMPUTER-READABLE MEDIUM AND AUTOMATIC WORKING SYSTEM	A01G 3/025	(51) A01N 25/02
(73) Positec Power Tools (Suzhou) Co., Ltd	B26D 7/10	A01N 25/30
(72) CAPANNA, Roberto	B26D 7/00	A01N 25/04
BERLATO, Alessandro	(11) EP3954197	A01N 37/40
DALFRA, Davide	(21) EP20212385.7	A01N 39/02
ANDRIOLO, Paolo	(47) 25.01.2023	A01N 57/20
(31) 201810291168	(22) 08.12.2020	A01P 13/00
(32) 30.03.2018	(54) BLADE HEATABLE ELECTRIC SCISSORS AND CONTROL METHOD	(11) EP3897130
(33) China	(73) Dongguan Zhenghong Technology Service Co., Ltd.	(21) EP19832939.3
(51) A01C 1/00	(72) MA, Xianpeng	(47) 25.01.2023
A01N 25/00	(31) 202010797280	(87) EP2019086615
A01N 65/08	(32) 10.08.2020	25.06.2020
A01G 22/00	(33) China	(22) 20.12.2019
A01C 14/00	(51) A01G 31/02	(54) AGROCHEMICAL COMPOSITION
(11) EP3700321	A01C 1/02	(73) Battelle UK Limited
(21) EP19832328.9	(11) EP3731625	(72) CLAPPERTON, Richard M.
(47) 25.01.2023	(21) EP18896176.7	(31) 19196194
(87) EP2019085693	(47) 25.01.2023	18215405
25.06.2020	(87) TR2018050584	(32) 09.09.2019
(22) 17.12.2019	04.07.2019	21.12.2018
	(22) 10.10.2018	(33) European Patent Office (EPO)
		European Patent Office (EPO)
		(51) A01N 25/02
		A01P 13/00
		A01N 47/36

A01N 41/10	A23K 50/80	(51) A23C 19/068
A01N 37/02	A61K 35/00	A23C 19/16
A01N 39/04	A61K 35/742	(11) EP3981258
A01N 37/40	B09C 1/10	(21) EP20201350.4
A01N 33/12	C02F 11/04	(47) 25.01.2023
A01N 25/22	C05F 11/08	(22) 12.10.2020
(11) EP3556211	C09K 8/582	(54) METHOD FOR SMEAR-RIPENING OF CHEESE
(21) EP19157188.4	C11D 3/38	(73) Eidgenössisches Departement für Wirtschaft, Bildung und Forschung (WBF) Agroscope
(47) 25.01.2023	C12N 1/20	(72) Stoffers, Helena
(22) 12.08.2015	C12P 5/02	Bachmann, Hans-Peter
(54) ORGANIC AMMONIUM SALTS OF ANIONIC PESTICIDES	A01N 25/00	Schafroth, Karl
(73) Clariant International Ltd	(11) EP3177149	
(72) BAUR, Peter	(21) EP15830591.2	
KLUG, Peter	(47) 25.01.2023	
BAUER, Martin	(87) US2015043979	
(31) 102014012022	11.02.2016	(51) A23G 9/04
(32) 13.08.2014	(22) 06.08.2015	A23G 9/22
(33) Germany	(54) BACTERIAL SPORE COMPOSITIONS FOR INDUSTRIAL USES	(11) EP3903598
(51) A01N 25/12	(73) Envera LIC, LLC	(21) EP21170122.2
A61K 47/44	(72) HASHMAN, Tommie Eugene	(47) 25.01.2023
A23P 10/43	MATHENY, Michael	(22) 23.04.2021
A23L 33/105	(31) 201462033825 P	(54) STIRRER OF A MACHINE FOR MAKING AND DISPENSING LIQUID OR SEMI-LIQUID FOOD PRODUCTS AND MACHINE COMPRISING THE STIRRER
A61K 9/14	(32) 06.08.2014	(73) Ali Group S.r.l. - Carpigiani
A61K 9/16	(33) United States of America	(72) TASSI, Federico
(11) EP3545763	(51) A22C 21/00	LAZZARINI, Roberto
(21) EP18000312.1	(11) EP3986142	(31) 202000009268
(47) 25.01.2023	(21) EP20739327.3	(32) 28.04.2020
(22) 29.03.2018	(47) 25.01.2023	(33) Italy
(54) PARTICLE CONTAINING AT LEAST ONE VOLATILE SUBSTANCE, PROCESS FOR ITS PREPARATION, A FOOD OR FEED ADDITIVE CONTAINING THE SAME AND USE	(87) EP2020069221	
(73) DSM Austria GmbH	28.01.2021	(51) A23K 50/30
(72) Gottschalk, Pia	(22) 08.07.2020	A23K 20/189
Binder, Eva-Marina	(54) DEVICE FOR MEASURING THE SHOULDER JOINT POSITION OF CONTINUOUSLY CONVEYED POULTRY CARCASSES, ARRANGEMENT FOR FILLETING POULTRY CARCASSES AND CORRESPONDING METHODS	A61K 38/48
Cole, Stephen	(73) Nordischer Maschinenbau Rud. Baader GmbH + Co. KG	A23K 10/00
(51) A01N 31/04	(72) FISCHER, Valentin	A61P 1/12
A01N 27/00	RIGGERT, Lasse	(11) EP3193629
A01N 43/90	SASS, Norbert	(21) EP15836374.7
A01N 65/24	(31) 102019119665	(47) 25.01.2023
A01P 3/00	(32) 19.07.2019	(87) US2015046509
(11) EP3504969	(33) Germany	03.03.2016
(21) EP16869458.6	(51) A23C 9/142	(22) 24.08.2015
(47) 25.01.2023	A23C 9/146	(54) ANTI-DIARRHEA FORMULATION WHICH AVOIDS ANTIMICROBIAL RESISTANCE
(87) CL2016000075	A23C 17/00	(73) Anantara Lifesciences Limited
08.06.2017	B01J 39/07	(72) MYNOTT, Tracey L.
(22) 01.12.2016	B01D 61/14	WALSH, John
(54) COMPOSITION FOR CONTROLLING FUNGAL INFECTION CAUSED BYNOSEMA CERANAE	(11) EP3860353	(31) 201462041175 P
(73) Universidad De Chile	(21) EP19801950.7	(32) 25.08.2014
(72) BRAVO GARRIDO, Jessica Andrea	(47) 25.01.2023	(33) United States of America
DELPORTE VERGARA, Carla Luz	(87) FR2019052344	
VALDOVINOS JELDES, Carlos Enrique	09.04.2020	(51) A23L 2/52
(31) 20153526	(22) 03.10.2019	A23L 2/60
(32) 02.12.2015	(54) METHOD FOR PRODUCING A PHOSPHOLIPID CONCENTRATE FROM A DAIRY COMPOSITION	A23L 27/30
(33) Chile	(73) Euroserum	A23L 27/00
(51) A01N 37/44	(72) BASTIAN, Charlotte	(11) EP3897192
A01N 63/20	LAURENS, Lydie	(21) EP19832729.8
A01N 63/22	GIRARDOT, David	(47) 25.01.2023
A01N 63/28	(31) 1859157	(87) IB2019060471
A01N 63/00	(32) 03.10.2018	25.06.2020
A01P 21/00	(33) France	(22) 05.12.2019
A23K 10/12		(54) SWEETENER OF NATURAL ORIGIN WITH GUSTATORY PROFILE THAT IMITATES SUGAR WITH FRUITY FLAVOURS WITH UP TO 20TIMES SWEETENING CAPACITY AS COMPARED WITH SUGAR
A23K 10/18		(73) AGRA GROUP, a.s.
A23K 50/75		Kopenec, Jiri

(72) DOHNAL, Vlastimil	(87) EP2018078648	A24F 40/20
(31) 20180709	25.04.2019	(11) EP3793381
(32) 17.12.2018	(22) 18.10.2018	(21) EP19725128.3
(33) Czech Republic	(54) AEROSOL-GENERATING ARTICLE	(47) 25.01.2023
(51) A23L 29/219	HAVING DETACHABLE FRESHENER	(87) EP2019062720
A23L 5/10	SEGMENT	21.11.2019
A23L 19/18	(73) Philip Morris Products S.A.	(22) 16.05.2019
A23P 20/10	(72) BESSO, Clement	(54) AEROSOL-GENERATING DEVICE
(11) EP3590357	(31) 17197289	HAVING IMPROVED INDUCTOR COIL
(21) EP18760254.5	(32) 19.10.2017	(73) Philip Morris Products S.A.
(47) 25.01.2023	(33) European Patent Office (EPO)	(72) TAURINO, Irene
(87) JP2018007434	(51) A24D 3/02	(31) 18173058
07.09.2018	A24C 5/47	(32) 17.05.2018
(22) 28.02.2018	(11) EP3641572	(33) European Patent Office (EPO)
(54) FAT- OR OIL-PROCESSED STARCH	(21) EP18733538.5	(51) A24F 40/40
(73) Nihon Shokuhin Kako Co., Ltd.	(47) 25.01.2023	A24F 40/50
(72) MORIMOTO, Kazuki	(87) EP2018065792	A24F 40/60
ARIMOTO, Misa	27.12.2018	A24F 40/90
TAKAGUCHI, Hitoshi	(22) 14.06.2018	(11) EP3179871
YAMAMOTO, Toshihiro	(54) MANUFACTURE OF SMOKING	(21) EP15750329.3
(31) 2017037268	PRODUCTS	(47) 25.01.2023
(32) 28.02.2017	(73) Körber Technologies GmbH	(87) EP2015068103
(33) Japan	(72) FOLGER, Manfred	18.02.2016
(51) A24B 5/16	PANZ, Andreas	(22) 05.08.2015
A24B 3/04	(31) 102017005787	(54) AEROSOL-GENERATING SYSTEM
(11) EP3629775	(32) 21.06.2017	COMPRISING MULTI-PURPOSE
(21) EP18732159.1	(33) Germany	COMPUTING DEVICE
(47) 25.01.2023	(51) A24D 3/04	(73) Philip Morris Products S.A.
(87) IB2018053778	A24D 3/02	(72) BATISTA, Rui Nuno
06.12.2018	A24D 1/02	HEDARCHET, Stéphane Antony
(22) 28.05.2018	(11) EP3998880	(31) 14180896
(54) AN IMPROVED METHOD FOR	(21) EP21782689.0	(32) 13.08.2014
TREATING STEMS AND/OR LEAF	(47) 25.01.2023	(33) European Patent Office (EPO)
VEINS OF TOBACCO	(87) EP2021075946	(51) A24F 40/46
(73) COMAS - COSTRUZIONI MACCHINE	31.03.2022	A24F 40/20
SPECIALI - S.p.A.	(22) 21.09.2021	A24F 40/50
Magg Consulting S.r.l.	(54) METHOD FOR PRODUCING A	A24D 1/20
(72) MARTIN, Mario	CONICAL FILTER BODY	A24F 40/60
MATARAZZO, Francesco	(73) VAUEN ADOLF ECKERT GMBH & CO.	H05B 3/58
(31) 201700058373	KG	A61M 11/00
(32) 29.05.2017	(72) RAMSAUER, Martin	A61M 15/06
(33) Italy	(31) 102020124718	(11) EP3761820
(51) A24C 5/46	(32) 22.09.2020	(21) EP19715996.5
(11) EP3332655	(33) Germany	(47) 25.01.2023
(21) EP17205335.7	(51) A24D 3/04	(87) IB2019051867
(47) 25.01.2023	A24F 13/04	12.09.2019
(22) 05.12.2017	(11) EP3675659	(22) 07.03.2019
(54) DOUBLE LAYER TUBE FOR THE	(21) EP18762025.7	(54) ELECTRONICALLY HEATED HEAT-
TOBACCO PROCESSING INDUSTRY	(47) 25.01.2023	NOT-BURN SMOKING ARTICLE
AND METHOD FOR PRODUCING	(87) EP2018072033	(73) RAI Strategic Holdings, Inc.
SUCH A TUBE	07.03.2019	(72) SUR, Rajesh
(73) Körber Technologies GmbH	(22) 14.08.2018	WILBERDING, Kathryn Lynn
(72) BUHL, Alexander	(54) SMOKING ARTICLE AND METHOD	SEBASTIAN, Andries
PIECHACZEK, Roman	FOR COOLING A HEATED PARTICLE-	SEARS, Stephen Benson
BLEWONSKA, Jan	LOADED GAS	THOMAS, Timothy Frederick
KNOBBE, Stefan	(73) Deutsche Benkert GmbH	HUBBARD, Sawyer
BRAST, Kevin	(72) BRINKER, Arnd	CONNER, Billy Tyrone
SOLTOW, Ralf	BULA, Rafael Paul	(31) 201815916834
LÜCKE, Felix	KARPER, Jörg Enno	(32) 09.03.2018
STROHECKER, Gerd	(31) 102017120202	(33) United States of America
(31) 102016124051	(32) 01.09.2017	(51) A24F 47/00
(32) 12.12.2016	(33) Germany	(11) EP3709828
(33) Germany	(51) A24F 40/30	(21) EP18811460.7
(51) A24D 1/22	A24F 40/42	(47) 25.01.2023
A24D 1/00	A24F 40/465	(87) EP2018081536
(11) EP3697234	H05B 6/10	23.05.2019
(21) EP18789633.7	H05B 6/40	(22) 16.11.2018
(47) 25.01.2023	H05B 6/44	

(54) CONSUMABLE VENTILATION CONTROL	POMPEI, Manuela	(31) 17195553
(73) Nicoventures Trading Limited	LABBE, Jennifer	(32) 09.10.2017
(72) HEPWORTH, Richard	(31) 201862730786 P	(33) European Patent Office (EPO)
(31) 201718923	(32) 13.09.2018	(51) A44C 17/02
(32) 16.11.2017	(33) United States of America	(11) EP3638067
(33) United Kingdom	(51) A43D 1/08	(21) EP18732038.7
(51) A41G 5/02	A43D 3/02	(47) 25.01.2023
(11) EP3675665	G05B 19/401	(87) EP2018065832
(21) EP17748955.6	A43D 119/00	20.12.2018
(47) 25.01.2023	(11) EP3574795	(22) 14.06.2018
(87) JP2017025062	(21) EP19185967.7	(54) JEWELRY FOR HOLDING AN
03.01.2019	(47) 25.01.2023	INTERCHANGEABLE ORNAMENT
(22) 30.06.2017	(22) 25.05.2016	(73) Courbet SAS
(54) COSMETIC TREATMENT METHOD FOR ADDING FIBERS TO NATURAL EYELASHES	(54) SHOE LAST EXTENSION AS AN ORIGIN	(72) WACHTMEISTER, Marie-Ann
(73) L'OREAL	(73) Nike Innovate C.V.	(31) 1750756
(72) KAWAMOTO, Makoto	(72) JURKOVIC, Dragan	(32) 14.06.2017
OKUDA, Shinsuke	MING-FENG, Jean	(33) Sweden
(51) A42B 3/28	LIN, Chin-Yi	(51) A47B 9/00
(11) EP3744201	LIN, Chun-Chi	G05B 9/00
(21) EP20176527.8	(31) 201514746597	(11) EP3932255
(47) 25.01.2023	201562168837 P	(21) EP21181892.7
(22) 26.05.2020	(32) 22.06.2015	(47) 25.01.2023
(54) HELMET AND GROMMET	31.05.2015	(22) 25.06.2021
(73) SHOEI CO., LTD.	(33) United States of America	(54) LIFTING CIRCUIT WITH PINCH
(72) FUKUYAMA, Banri	United States of America	PROTECTION AND LIFTING DEVICE
(31) 2019102839	(51) A44B 11/25	(73) Oceanwell (Xiamen) Industrial Co., Ltd.
(32) 31.05.2019	A41F 1/00	(72) WANG, Canguo
(33) Japan	A45C 13/10	ZHANG, Qingping
(51) A43B 1/04	A44C 5/20	ZHUANG, Yu
A43B 23/02	(11) EP3405062	(31) 202010623575
(11) EP3454687	(21) EP16828718.3	(32) 30.06.2020
(21) EP17725061.0	(47) 25.01.2023	(33) China
(47) 25.01.2023	(87) EP2016081805	(51) A47B 88/407
(87) US2017032074	27.07.2017	F24C 15/16
16.11.2017	(22) 19.12.2016	A47B 88/43
(22) 11.05.2017	(54) CLOSURE DEVICE FOR DETACHABLY CONNECTING TWO PARTS	(11) EP3033968
(54) EMBROIDERED ARTICLE OF APPAREL OR EMBROIDERED UPPER FOR AN ARTICLE OF FOOTWEAR AND METHOD OF MAKING THE SAME	(73) Fidlock GmbH	(21) EP15198144.6
(73) NIKE Innovate C.V.	(72) FIEDLER, Joachim	(47) 25.01.2023
(72) NGENE, David	(31) 102016200944	(22) 07.12.2015
PARK, Sh.	(32) 23.01.2016	(54) OVEN
SALZANO, John	(33) Germany	(73) Grass GmbH
(31) 201662336346 P	(51) A44C 5/14	(72) Weidinger, Robert
(32) 13.05.2016	G04B 37/14	Huber, Franz
(33) United States of America	(11) EP3753440	(31) 202014106052 U
(51) A43B 13/02	(21) EP20179804.8	(32) 15.12.2014
B60C 1/00	(47) 25.01.2023	(33) Germany
C08L 7/00	(22) 12.06.2020	(51) A47B 88/447
C08L 9/00	(54) WEARABLE DEVICE	A47B 88/493
C08L 9/06	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(11) EP3713449
C08K 5/103	(72) XUE, Yuege	(21) EP18796988.6
C08L 47/00	HU, Jianghua	(47) 25.01.2023
(11) EP3622843	(31) 201920911977 U	(87) EP2018081034
(21) EP19194850.4	(32) 17.06.2019	23.05.2019
(47) 25.01.2023	(33) China	(22) 13.11.2018
(22) 02.09.2019	(51) A44C 17/00	(54) PULL-OUT GUIDE FOR DRAWERS OR THE LIKE
(54) RESIN MODIFIED OIL EXTENDED RUBBER	(11) EP3694369	(73) Arturo Salice S.p.A.
(73) The Goodyear Tire & Rubber Company	(21) EP18796362.4	(72) SALICE, Sergio
(72) ISITMAN, Nihat Ali	(47) 25.01.2023	(31) 201700132137
WOLOSZYNEK, Robert Alan	(87) EP2018077494	(32) 20.11.2017
KULIG, Joseph John	18.04.2019	(33) Italy
LONG, Hannah Marie Prince	(22) 09.10.2018	(51) A47D 15/00
	(54) CUT FOR GEMSTONE	A61B 5/00
	(73) D. Swarovski KG	A61B 5/0205
	(72) LOINGER, Christian	A61H 23/02
	BLASBICHLER, Günther	A61B 5/024
		A61B 5/08

A61B 5/11	A47J 31/44	(73) Eugster/Frismag AG
(11) EP3119244	A47J 31/06	(72) RIESSBECK, Wolfgang
(21) EP15719320.2	(11) EP3370583	WÄGER, Simon
(47) 25.01.2023	(21) EP16788544.1	JENNY, Dominic
(87) US2015021999	(47) 25.01.2023	(31) 102020117390
24.09.2015	(87) EP2016076276	(32) 01.07.2020
(22) 23.03.2015	11.05.2017	(33) Germany
(54) SYSTEMS FOR REDUCING	(22) 01.11.2016	(51) A47J 31/44
IRRITABILITY IN INFANTS	(54) A COFFEE MACHINE USED WITH A	(11) EP3945961
(73) University of Massachusetts Medical	CAPSULE	(21) EP20707076.4
School	(73) Arçelik Anonim Sirketi	(47) 25.01.2023
(72) BLOCH-SALISBURY, Elisabeth	(72) ALPTEKIN, Ahmet	(87) EP2020054813
PAYDARFAR, David	GUNDUZ, Nihat	08.10.2020
(31) 201461968972 P	CENGİZ, Osman	(22) 25.02.2020
(32) 21.03.2014	AYAROGLU, Emre	(54) A COFFEE MACHINE COMPRISING AN
(33) United States of America	COBAN, Omer, Burak	EXTERNAL WATER TANK
(51) A47G 19/18	GERZELI, Ismail	(73) Arçelik Anonim Sirketi
A47J 47/01	KARTAL, Resul	(72) KARAAGAC, Emre
B65D 83/00	(31) 201513942	COKER, Nazli Ecem
(11) EP3589171	(32) 06.11.2015	ALPTEKIN, Ahmet
(21) EP18716007.2	(33) Turkey	AYDOGAN, Egemen
(47) 25.01.2023	(51) A47J 31/18	DAGBAGLI, Cansu
(87) SE2018050204	A47J 31/52	(31) 201905030
07.09.2018	(11) EP3749152	(32) 03.04.2019
(22) 02.03.2018	(21) EP19821696.2	(33) Turkey
(54) DISPENSING DEVICE	(47) 25.01.2023	(51) A47J 31/46
(73) ASEPT INTERNATIONAL AB	(87) TR2019050071	A47J 31/44
(72) CEDERGREN, Stefan	26.12.2019	(11) EP3788918
CEDERGREN, Daniel	(22) 06.02.2019	(21) EP19216149.5
(31) 1750239	(54) A HOT BEVERAGE PREPARING	(47) 25.01.2023
(32) 03.03.2017	MACHINE HAVING AN ADAPTIVE	(22) 13.12.2019
(33) Sweden	USER INTERFACE	(54) MULTI-POSITION SHUTTLE VALVE
(51) A47G 29/14	(73) Arzum Elektrikli Ev Aletleri San. Ve Tic.	ASSEMBLY FOR AN AIRCRAFT
B64F 1/32	A.S.	BREWING APPARATUS
(11) EP3589174	(72) ATILLA, Ersoy	(73) B/E Aerospace, Inc.
(21) EP18720086.0	YILDIZ, Mehtap	(72) DEVLIN, Byron A.
(47) 25.01.2023	(31) 201801798	DEBALD, Keith R.
(87) DE2018100276	(32) 08.02.2018	SERFLING, Anthony
04.10.2018	(33) Turkey	(31) 201916561514
(22) 26.03.2018	(51) A47J 31/20	(32) 05.09.2019
(54) RECEIVING APPARATUS FOR	A47J 27/00	(33) United States of America
PACKAGES OR PACKETS DELIVERED	A47J 31/06	(51) A47J 31/46
BY AIR	(11) EP3744217	A47J 31/44
(73) Holzer, Nikolaus	(21) EP19218981.9	A47J 43/12
(72) Holzer, Nikolaus	(47) 25.01.2023	(11) EP3466307
(31) 102017106925	(22) 20.12.2019	(21) EP18206295.0
(32) 30.03.2017	(54) COOKING POT	(47) 25.01.2023
(33) Germany	(73) Guangdong Midea Consumer Electrics	(22) 12.09.2016
(51) A47J 27/00	Manufacturing Co., Ltd.	(54) BEVERAGE DISPENSING SYSTEMS
A47J 36/32	(72) NAN, Chunlai	AND METHODS
A47J 43/07	LUO, Jinliusheng	(73) Starbucks Corporation
(11) EP3730005	(31) 201920836362 U	(72) Apone, Dan
(21) EP19170838.7	201910468918	Koller, Izaak
(47) 25.01.2023	(32) 31.05.2019	Cummer, Michael
(22) 24.04.2019	31.05.2019	Riday, Richard
(54) METHOD FOR GENERATING AT	(33) China	Crossland, William
LEAST ONE RECIPE SUGGESTION,	China	(31) 201562220680 P
KITCHEN APPLIANCE AND SYSTEM	(51) A47J 31/36	201562327808 P
FOR PREPARING FOOD	A47J 31/46	(32) 18.09.2015
(73) Vorwerk & Co. Interholding GmbH	A47J 31/60	26.04.2016
(72) Yan, Wenjie	(11) EP3932269	(33) United States of America
Kraut-Reinkober, Stefan	(21) EP21180275.6	United States of America
Mosebach, Andrej	(47) 25.01.2023	(51) A47J 31/54
Pieper, Mirco	(22) 18.06.2021	H05B 6/80
Stach, Christiane	(54) BREWING UNIT FOR REDUCING	A47J 31/30
Werhahn, Sarah	THE RESIDUAL WATER DURING THE	(11) EP3820337
(51) A47J 31/18	RINSING PROCESS AND METHOD	(21) EP19833514.3
A47J 31/40	FOR OPERATING A BREWING UNIT	(47) 25.01.2023

(87) US2019040482 16.01.2020	(54) COOKING ASSEMBLY COMPRISING AN ELECTRICAL COOKING APPLIANCE AND A DRAINING RECEPTACLE	(33) China
(22) 03.07.2019	(73) SEB S.A.	(51) A47K 13/26
(54) DEVICE AND METHOD FOR DELIVERING LIQUID HEATED TO A DESIRED TEMPERATURE UNDER PRESSURE IN A MICROWAVE OVEN	(72) SCHWARTZ, Delphine PAIN, Frédéric SEURAT, Frédéric	F16B 31/02 F16B 33/00 A47K 13/12
(73) Van Davelaar, Peter, C.	(31) 1872133	(11) EP3888514
(72) Van Davelaar, Peter, C.	(32) 30.11.2018	(21) EP21157825.7
(31) 201916460452 201862697090 P	(33) France	(47) 25.01.2023
(32) 02.07.2019 12.07.2018	(51) A47J 37/12 A47J 27/08	(22) 18.02.2021
(33) United States of America United States of America	(11) EP3648643 (21) EP18752815.3	(54) FASTENING ASSEMBLY FOR TOILET SEAT HINGE
(51) A47J 36/32 A47J 37/06	(47) 25.01.2023	(73) Bemis Manufacturing Company
(11) EP3905931	(87) FR2018051713 10.01.2019	(72) HENNE, Brian A. ETAIX, Gérard ARNDT, Jonathan HAND, Joseph M.
(21) EP19832161.4	(22) 06.07.2018	(31) 202163137831 P 202062978113 P
(47) 25.01.2023	(54) FRYER WITH ANTI-OXIDATION LID	(32) 15.01.2021 18.02.2020
(87) EP2019087178 09.07.2020	(73) SEB S.A.	(33) United States of America United States of America
(22) 30.12.2019	(72) BLONDEL, Mathilde	(51) A47L 9/02
(54) ELECTRIC COOKING APPLIANCE WITH A FUNCTION FOR MARKING THE FOOD TO BE COOKED	(31) 1756448	(11) EP3539434
(73) SEB S.A.	(32) 07.07.2017	(21) EP19161736.4
(72) VOLATIER, Sébastien	(33) France	(47) 25.01.2023
(31) 1900001	(51) A47J 43/07 A47J 47/00	(22) 08.03.2019
(32) 01.01.2019	(11) EP3928669	(54) VACUUM CLEANER NOZZLE PROVIDED WITH A SLIDING SURFACE HAVING A ROUNDED REAR EDGE
(33) France	(21) EP21180969.4	(73) SEB S.A.
(51) A47J 36/32 A47J 37/06	(47) 25.01.2023	(72) PHILIPPE, Christelle PRUNIER, Thierry ZANNI, Adrien
(11) EP3905930	(22) 22.06.2021	(31) 1852211
(21) EP19832160.6	(54) MIXING BOWL ASSEMBLY	(32) 14.03.2018
(47) 25.01.2023	(73) Whirlpool Corporation	(33) France
(87) EP2019087177 09.07.2020	(72) Mock, Brandon Tyler Myers, John Jay Remaly, Katie	(51) A47L 9/12 A47L 5/36
(22) 30.12.2019	(31) 202117352710 202063042857 P	(11) EP3682782
(54) METHOD FOR IMPLEMENTING A FUNCTION FOR MARKING A FOOD ON AN ELECTRIC COOKING APPLIANCE	(32) 21.06.2021 23.06.2020	(21) EP20156616.3
(73) SEB S.A.	(33) United States of America United States of America	(47) 25.01.2023
(72) VOLATIER, Sébastien	(51) A47K 3/32	(22) 04.03.2013
(31) 1900002	(11) EP3694382	(54) ARRANGEMENT IN A VACUUM CLEANER FOR REDUCING NOISE EMITTED BY THE VACUUM CLEANER, VACUUM CLEANER COMPRISING SUCH AN ARRANGEMENT
(32) 01.01.2019	(21) EP18800252.1	(73) Aktiebolaget Electrolux
(33) France	(47) 25.01.2023	(72) KARLSSON, Roger ANDERSSON, Tommy
(51) A47J 37/04	(87) GB2018000133 18.04.2019	(51) A47L 13/16 A47L 13/20
(11) EP3768131	(22) 11.10.2018	(11) EP3928672
(21) EP19713566.8	(54) A COLLAPSIBLE SHOWER CUBICLE	(21) EP21180682.3
(47) 25.01.2023	(73) Babuadze, Nodar	(47) 25.01.2023
(87) IB2019051364 06.08.2020	(72) Babuadze, Nodar	(22) 21.06.2021
(22) 20.02.2019	(31) 201716713	(54) CLEANING CLOTH HAVING A DUAL CLEANING FUNCTION
(54) EQUIPMENT FOR GRILLING FOOD	(32) 12.10.2017	(73) Betjo beheer B.V.
(73) Modul Grill Srl	(33) United Kingdom	(72) VAN DER MAAS, Pieter Gerardus Antonius Maria HAAKMEESTER, Brian
(72) REGAZZON, Alessandro	(51) A47K 5/12	(31) 2025885
(31) 201900001479	(11) EP3847935	(32) 23.06.2020
(32) 01.02.2019	(21) EP20178705.8	(33) Netherlands
(33) Italy	(47) 25.01.2023	(51) A47L 15/42
(51) A47J 37/12	(22) 08.06.2020	
(11) EP3886660	(54) CLEANING DEVICE, AND CONTROL METHOD AND DEVICE THEREOF	
(21) EP19806258.0	(73) Beijing Xiaomi Mobile Software Co., Ltd.	
(47) 25.01.2023	(72) XING, Zheng	
(87) EP2019082440 04.06.2020	(31) XIE, Yingchun	
(22) 25.11.2019	(32) 202010014871 07.01.2020	

A47L 15/50	(54) WIDE FIELD OF VIEW, HIGH OPTICAL	(47) 25.01.2023
A47L 15/00	POWER DISPOSABLE RETINA	(87) AT2020060194
A47L 15/48	VIEWING SYSTEM	26.11.2020
(11) EP2865313	(73) ALCON INC.	(22) 12.05.2020
(21) EP14197394.1	(72) YU, Lingfeng	(54) METHOD AND DEVICE FOR
(47) 25.01.2023	DOUSHKINA, Valentina	VALIDATING A BLOOD PRESSURE
(22) 12.12.2012	(31) 201762522865 P	MEASUREMENT SYSTEM
(54) DISHMACHINE	(32) 21.06.2017	(73) CNSystems Medizintechnik GmbH
(73) Ecolab USA Inc.	(33) United States of America	(72) FORTIN, Jürgen
(72) Ellingson, Jeffrey Paul	(51) A61B 5/00	FELLNER, Christian
Nelson, Wesley Mark	A61B 5/024	GROND, Julian
Jensen, Andrew Michael	(11) EP3727134	LERCHE, Katja
Wood, Kyle D.	(21) EP18833243.1	BRUNNER, Thomas
Holzman, Louis Mark	(47) 25.01.2023	(31) 504692019
(31) 201161569930 P	(87) EP2018086762	(32) 22.05.2019
(32) 13.12.2011	27.06.2019	(33) Austria
(33) United States of America	(22) 21.12.2018	(51) A61B 5/0245
(51) A61B 1/12	(54) PROCESSOR READABLE MEDIUM	A61B 5/00
A47L 17/08	AND CORRESPONDING METHOD FOR	A61B 5/024
B08B 9/057	HEALTH AND MEDICAL SENSING	(11) EP3372155
A61B 90/70	(73) ResMed Sensor Technologies Limited	(21) EP15907842.7
(11) EP3510916	(72) SHOULDICE, Redmond	(47) 25.01.2023
(21) EP18768518.5	MCMAHON, Stephen	(87) JP2015081415
(47) 25.01.2023	WREN, Michael	11.05.2017
(87) KR2018002893	(31) 201762610033 P	(22) 06.11.2015
20.09.2018	(32) 22.12.2017	(54) MEAL TIME ESTIMATION METHOD,
(22) 12.03.2018	(33) United States of America	MEAL TIME ESTIMATION PROGRAM,
(54) TUBULAR MEDICAL DEVICE	(51) A61B 5/00	AND MEAL TIME ESTIMATION DEVICE
CLEANING BALL AND	A61B 5/145	(73) Fujitsu Limited
MANUFACTURING METHOD	G16H 20/17	(72) MAEDA, Kazuho
THEREFOR	G16H 40/63	MORI, Tatsuya
(73) Choi, Young Chul	G16H 50/30	UCHIDA, Daisuke
(72) Choi, Young Chul	(11) EP3481274	INOMATA, Akihiro
(31) 20170119287	(21) EP17731593.4	(51) A61B 5/0536
20170031584	(47) 25.01.2023	A61B 5/085
(32) 18.09.2017	(87) EP2017065578	A61M 16/00
14.03.2017	11.01.2018	(11) EP3957241
(33) Korea (Republic)	(22) 23.06.2017	(21) EP21189030.6
Korea (Republic)	(54) BASAL TITRATION WITH ADAPTIVE	(47) 25.01.2023
(51) A61B 3/10	TARGET GLUCOSE LEVEL	(22) 02.08.2021
(11) EP3517020	(73) Novo Nordisk A/S	(54) ASSEMBLY AND COMPUTER
(21) EP17853145.5	(72) ARADÓTTIR, Tinna Björk	PROGRAM PRODUCT FOR
(47) 25.01.2023	BENGTSSON, Henrik	DETERMINING REGIONAL LUNG
(87) JP2017034163	BROCKMEIER, Pete	COMPLIANCE
29.03.2018	(31) 16178554	(73) Drägerwerk AG & Co. KGaA
(22) 21.09.2017	(32) 08.07.2016	(72) Teschner, Eckhard
(54) SCANNING LASER	(33) European Patent Office (EPO)	Ralfs, Frank
OPHTHALMOSCOPE	(51) A61B 5/02	(31) 102020120900
(73) Tomey Corporation	A61B 5/024	(32) 07.08.2020
QD Laser, Inc.	A61B 5/11	(33) Germany
(72) SUGAWARA, Mitsuru	A61B 5/00	(51) A61B 5/0537
SUZUKI, Makoto	(11) EP3375357	A61B 5/00
MUKAI, Hideo	(21) EP15909532.2	(11) EP2825094
(31) 2016184659	(47) 25.01.2023	(21) EP13761778.3
(32) 21.09.2016	(87) CN2015096362	(47) 25.01.2023
(33) Japan	08.06.2017	(87) US2013025565
(51) A61B 3/125	(22) 03.12.2015	19.09.2013
A61B 3/13	(54) BIOLOGICAL SIGNAL ACQUISITION	(22) 11.02.2013
A61F 9/009	METHOD, DEVICE, ELECTRONIC	(54) METHOD AND SYSTEM FOR
G02B 5/18	EQUIPMENT AND SYSTEM	DETERMINING BODY IMPEDANCE
(11) EP3641625	(73) Huawei Technologies Co., Ltd.	(73) Vital Connect, Inc.
(21) EP18746289.0	(72) XU, Peida	(72) AGA, Arshan
(47) 25.01.2023	CHEN, Wenjuan	(31) 201213419218
(87) IB2018054516	(51) A61B 5/022	(32) 13.03.2012
27.12.2018	A61B 5/0225	(33) United States of America
(22) 19.06.2018	A61B 5/00	(51) A61B 5/11
	(11) EP3796834	A61B 5/00
	(21) EP20726286.6	(11) EP3542719

(21) EP16921827.8	(33) United States of America	03.05.2018
(47) 25.01.2023	United States of America	(22) 31.10.2017
(87) JP2016083996	United States of America	(54) METHOD OF DETECTING VASCULAR
24.05.2018	United States of America	INFLAMMATION
(22) 16.11.2016	United States of America	(73) Oxford University Innovation Limited
(54) INFORMATION PROCESSING	United States of America	(72) ANTONIADES, Charalambos
SYSTEM, INFORMATION	(51) A61B 5/145	CHANNON, Keith
PROCESSING DEVICE AND	A61B 5/1459	OIKONOMOU, Evangelos
INFORMATION PROCESSING	A61J 15/00	NEUBAUER, Stefan
METHOD	G01N 21/77	(31) 20160100555
(73) Fujitsu Limited	G01N 21/78	201620494
(72) SASAMOTO, Yuki	(11) EP3419524	(32) 31.10.2016
HOTTA, Shinji	(21) EP17708306.0	02.12.2016
INOMATA, Akihiro	(47) 25.01.2023	(33) Greece
(51) A61B 5/11	(87) GB2017050464	United Kingdom
A61B 5/103	31.08.2017	(51) A61B 6/04
A61B 5/00	(22) 23.02.2017	A61B 6/10
A61B 5/107	(54) A MEDICAL TUBE POSITION	A61B 6/00
A61F 5/01	CONFIRMATION DEVICE	(11) EP3845129
A61F 5/02	(73) NGPod Global Limited	(21) EP21150201.8
A63B 26/00	(72) SMALL, David Raymond	(47) 25.01.2023
(11) EP3773196	DAVIES, John	(22) 05.01.2021
(21) EP19784761.9	(31) 201603131	(54) MAMMOGRAPHY DEVICE
(47) 25.01.2023	(32) 23.02.2016	(73) Vieworks Co., Ltd.
(87) US2019026843	(33) United Kingdom	(72) HONG, Soon Gil
17.10.2019	(51) A61B 5/15	(31) 20200001330
(22) 10.04.2019	(11) EP3648670	(32) 06.01.2020
(54) BODY CENTER MEASURING	(21) EP18745728.8	(33) Korea (Republic)
AND BALANCE COMPENSATING	(47) 25.01.2023	(51) A61B 7/04
APPARATUS AND BODY CENTER	(87) US2018038779	A61N 1/37
MEASURING AND BALANCE	10.01.2019	(11) EP3684260
COMPENSATING SYSTEM	(22) 21.06.2018	(21) EP18766463.6
(73) Anchor Logics Co., Ltd.	(54) BIOLOGICAL FLUID COLLECTION	(47) 25.01.2023
(72) AN, Yeonu	DEVICE	(87) US2018048103
AN, Ki, Chul	(73) Becton, Dickinson and Company	28.03.2019
(31) 20190034851	(72) IVOSEVIC, Milan	(22) 27.08.2018
20180156318	WILKINSON, Bradley, M.	(54) DEVICES AND METHODS FOR HEART
20180041774	(31) 201762529148 P	SOUND DETECTION
(32) 27.03.2019	(32) 06.07.2017	(73) Cardiac Pacemakers, Inc.
06.12.2018	(33) United States of America	(72) SHUTE, Jonathan, Bennett
10.04.2018	(51) A61B 5/157	MI, Bin
(33) Korea (Republic)	A61M 5/142	THAKUR, Pramodsingh Hirasingh
Korea (Republic)	A61M 5/158	AN, Qi
Korea (Republic)	(11) EP3549524	(31) 201762561118 P
(51) A61B 5/145	(21) EP19157933.3	(32) 20.09.2017
(11) EP3714788	(47) 25.01.2023	(33) United States of America
(21) EP20154429.3	(22) 29.03.2013	(51) A61B 8/00
(47) 25.01.2023	(54) FLUID DELIVERY DEVICE WITH	A61B 17/22
(22) 26.02.2010	TRANSCUTANEOUS ACCESS TOOL,	(11) EP3016594
(54) METHOD OF MAKING IMPROVED	INSERTION MECHANISM AND BLOOD	(21) EP14819742.9
ANALYTE SENSORS	GLUCOSE MONITORING FOR USE	(47) 25.01.2023
(73) Abbott Diabetes Care, Inc.	THEREWITH	(87) US2014045431
(72) THOMAS, Christopher, Allen	(73) Insulet Corporation	08.01.2015
HOSS, Udo	(72) DIANNI, Steven	(22) 03.07.2014
MCGARRAUGH, Geoffrey	MCLAUGHLIN, Ian	(54) HISTOTRIPSY EXCITATION
HAYTER, Gary, Alan	O'CONNOR, Jason B.	SEQUENCES OPTIMIZED FOR
(31) 29084709 P	CAMPBELL, Robert	BUBBLE CLOUD FORMATION USING
23846409 P	SCHMID, Kevin	SHOCK SCATTERING
16549909 P	(31) 201261618028 P	(73) Histosonics, Inc.
15589309 P	(32) 30.03.2012	The Regents of The University of
15589109 P	(33) United States of America	Michigan
15588909 P	(51) A61B 6/03	(72) CANNATA, Jonathan
(32) 29.12.2009	G06T 7/00	HALL, Timothy L.
31.03.2009	G06T 7/62	MAXWELL, Adam
31.03.2009	(11) EP3531917	TEOFILOVIC, Dejan
26.02.2009	(21) EP17792171.5	(31) 201361842820 P
26.02.2009	(47) 25.01.2023	(32) 03.07.2013
26.02.2009	(87) GB2017053262	(33) United States of America

- | | | |
|--|--|--|
| (51) A61B 8/00
A61B 90/00
A61B 8/02
A61B 8/06
A61B 8/08
G06V 10/44
G06V 10/82
G06V 40/60
G16H 50/30
A61B 34/20
G06V 30/19 | (11) EP3897395
(21) EP19835684.2
(47) 25.01.2023
(87) FR2019000206
25.06.2020
(22) 10.12.2019
(54) DEVICE FOR COLLECTING URINARY STONES
(73) Freestone
(72) GIAIME, Philippe
SAMPOL, Jerome
(31) 1873026
(32) 17.12.2018
(33) France | (31) 102019104965
(32) 27.02.2019
(33) Germany |
| (11) EP3471623
(21) EP17815998.4
(47) 25.01.2023
(87) US2017038106
28.12.2017
(22) 19.06.2017
(54) AUTOMATED IMAGE ACQUISITION
FOR ASSISTING A USER TO OPERATE
AN ULTRASOUND DEVICE
(73) Butterfly Network, Inc.
(72) ROTHBERG, Alex
DE JONGE, Matthew
JIA, Jimmy
NOURI, Daniel
ROTHBERG, Jonathan M.
SOFKA, Michal
NEBEN, Abraham | (51) A61B 17/00
A61B 6/00
A61B 5/11
A61B 34/10
(11) EP3361958
(21) EP16855071.3
(47) 25.01.2023
(87) IL2016051121
20.04.2017
(22) 13.10.2016
(54) GLOBAL SPINAL ALIGNMENT
PLANNING METHOD
(73) Mazor Robotics Ltd.
(72) ZEHAVID, Eliyahu
BAR, Yossi
STEINBERG, Shlomit
KLEYMAN, Leonid
LIEBERMAN, Isador H.
(31) 201562240751 P
(32) 13.10.2015
(33) United States of America | (51) A61B 17/17
A61F 2/38
A61F 2/46
(11) EP3993719
(21) EP21772773.4
(47) 25.01.2023
(87) EP2021074259
17.03.2022
(22) 02.09.2021
(54) SIZER SYSTEM FOR ARTHROPLASTY
(73) Aesculap AG
(72) VOUAUX, Alexis
GIROUARD, Christophe
(31) 20195454
(32) 10.09.2020
(33) European Patent Office (EPO) |
| (73) Butterfly Network, Inc.
(72) ROTHBERG, Alex
DE JONGE, Matthew
JIA, Jimmy
NOURI, Daniel
ROTHBERG, Jonathan M.
SOFKA, Michal
NEBEN, Abraham
(31) 201762445195 P
201662434980 P
201662384144 P
201662384187 P
201662352382 P
201762463094 P
201762453696 P | (31) 201562240751 P
(32) 13.10.2015
(33) United States of America | (51) A61B 17/221
A61B 17/00
A61M 25/00
A61B 90/00
(11) EP3236864
(21) EP15805069.0
(47) 25.01.2023
(87) US2015062444
09.09.2016
(22) 24.11.2015
(54) MEDICAL DEVICE FOR CAPTURING
STONE FRAGMENTS
(73) Gyros ACMI, Inc., d.b.a. Olympus
Surgical Technologies America
(72) WALISH, Judy, L.
ST. GEORGE, Lawrence, J.
FAN, Tai-lin
(31) 201514638639
(32) 04.03.2015
(33) United States of America |
| (32) 11.01.2017
15.12.2016
06.09.2016
06.09.2016
20.06.2016
24.02.2017
02.02.2017
(33) United States of America
United States of America
United States of America
United States of America
United States of America
United States of America
United States of America | (51) A61B 17/122
A61B 17/128
A61B 17/00
A61B 90/00
A61B 17/12
A61B 17/29
(11) EP3927249
(21) EP20764179.6
(47) 25.01.2023
(87) US2020043095
28.01.2021
(22) 22.07.2020
(54) HEMOSTASIS CLIP TWO STAGE
DEPLOYMENT MECHANISM TO
ELIMINATE SHED PARTS
(73) Boston Scientific Scimed, Inc.
(72) LEHTINEN, Laurie A.
KING, Joseph W.
CONGDON, Daniel
(31) 201962877873 P
(32) 24.07.2019
(33) United States of America | (51) A61B 17/221
A61B 90/70
(11) EP3763305
(21) EP20184991.6
(47) 25.01.2023
(22) 09.07.2020
(54) SYSTEM FOR CLOT RETRIEVER
CLEANING FOR REINSERTION
(73) DePuy Synthes Products, Inc.
(72) ECHARRI, Roberto
JOHNSON, Kirk
(31) 201916508452
(32) 11.07.2019
(33) United States of America |
| (51) A61B 8/08
A61B 8/14
A61B 8/15
A61B 8/00
(11) EP3906858
(21) EP20173617.0
(47) 25.01.2023
(22) 08.05.2020
(54) DEVICE AND METHOD FOR 3D
ULTRASOUND-BASED REFLECTION
AND TRANSMISSION TOMOGRAPHY
(73) Karlsruher Institut für Technologie
(72) Ruiter, Nicole
Gemmeke, Hartmut
Zapf, Michael
Hopp, Torsten
Rashvand, Nima | (51) A61B 17/15
(11) EP3930595
(21) EP20703008.1
(47) 25.01.2023
(87) EP2020052324
03.09.2020
(22) 30.01.2020
(54) FIXING DEVICE FOR A TIBIA
ALIGNMENT SYSTEM
(73) Aesculap AG
(72) BÖTTIGER, Roland | (51) A61B 17/32
(11) EP2838447
(21) EP13722879.7
(47) 25.01.2023
(87) US2013036587
24.10.2013
(22) 15.04.2013
(54) SURGICAL INSTRUMENT WITH
TISSUE DENSITY SENSING
(73) Ethicon Endo-Surgery, Inc.
(72) DANNAHER, William D.
PRICE, Daniel W.
KIMBALL, Cory G.
KELLY, William D.
RHEE, Sora |

GEE, Jacob S.	LOBO, Astley C.	20130101078
BERTKE, Brian D.	(31) 202016802077	(32) 24.03.2014
WELLING, Alissa L.	(32) 26.02.2020	24.03.2014
(31) 201213449837	(33) United States of America	24.03.2014
(32) 18.04.2012	(51) A61B 17/70	24.03.2014
(33) United States of America	(11) EP3273888	12.03.2014
(51) A61B 17/32	(21) EP16769381.1	11.03.2014
A61B 17/22	(47) 25.01.2023	26.08.2013
A61B 17/285	(87) US2016022988	(33) Korea (Republic)
A61B 17/28	29.09.2016	Korea (Republic)
A61B 17/29	(22) 17.03.2016	Korea (Republic)
A61B 17/3201	(54) ORTHOPEDIC DEROTATION DEVICES	Korea (Republic)
(11) EP3046485	(73) Globus Medical, Inc.	Korea (Republic)
(21) EP14771676.5	(72) ARTAKI, Alexander	Korea (Republic)
(47) 25.01.2023	PHAM, Khiem	Korea (Republic)
(87) US2014053842	CAHILL, Doug	(51) A61B 17/80
26.03.2015	LAWSON, Stephan	A61B 17/74
(22) 03.09.2014	ZWEIZIG, Michael	(11) EP3581131
(54) ALIGNMENT FEATURES FOR	LEFF, David	(21) EP19180024.2
ULTRASONIC SURGICAL	INGALHALIKAR, Aditya	(47) 25.01.2023
INSTRUMENT	(31) 201514665273	(22) 13.06.2019
(73) Ethicon LLC	(32) 23.03.2015	(54) TROCHANTER PLATES
(72) SCHULTE, John B.	(33) United States of America	(73) Stryker European Holdings I, LLC
FALLER, Craig N.	(51) A61B 17/70	(72) WIEDERKEHR, Andreas
SMITH, Eric B.	A61B 17/80	LOVELL, Tim
SCOGGINS, Patrick J.	(11) EP3376979	PAULISCH, Matthias
STEGEMAN, JoAnn M.	(21) EP16819657.4	SYLVESTRE, Pierre-Luc
MUHLINKAMP, Tylor C.	(47) 25.01.2023	TSCHANNEN, Erich
DANNAHER, William D.	(87) IB2016056769	(31) 201862685407 P
LAMPING, Michael R.	26.05.2017	(32) 15.06.2018
GEE, Jacob S.	(22) 10.11.2016	(33) United States of America
WEISENBURGH, William B. II	(54) OCCIPITAL PLATE FOR OCCIPITO-	(51) A61B 17/86
BERTKE, Brian D.	CERVICAL FIXATION AND SYSTEM	A61B 17/80
(31) 201314031665	FOR OCCIPITO-CERVICAL FIXATION	A61B 17/88
(32) 19.09.2013	(73) Medacta International SA	(11) EP3013266
(33) United States of America	(72) FIECHTER, Meinrad	(21) EP14817296.8
(51) A61B 17/34	SICCARDI, Francesco	(47) 25.01.2023
(11) EP3831321	INCANDELA, Michele	(87) US2014043569
(21) EP20211882.4	MARTIS, Massimiliano	31.12.2014
(47) 25.01.2023	(31) UB20155792	(22) 23.06.2014
(22) 04.12.2020	(32) 20.11.2015	(54) ORTHOPEDIC ANCHOR ASSEMBLY
(54) SEAL ASSEMBLIES FOR SURGICAL	(33) Italy	(73) Globus Medical, Inc.
ACCESS ASSEMBLIES	(51) A61B 17/70	(72) LAWSON, Stephan
(73) Covidien LP	A61B 17/88	CIANFRANI, Jason
(72) PILLETERE, Roy J.	A61B 5/05	SUH, Sean
DININO, Matthew A.	A61N 1/05	SUH, Jon
EBERSOLE, Garrett	A61B 17/86	BLACK, Michael
DESJARDIN, Kevin	A61C 8/00	ANGELUCCI, Chris
THOMAS, Justin	A61C 19/04	HANSELT, Matt
BARIL, Jacob C.	A61N 1/36	(31) 201414304534
LAPIERRE (Roy), Nicolette	A61B 17/00	201361839176 P
BROWN, Eric	A61B 5/00	(32) 13.06.2014
(31) 201916703383	(11) EP3040039	25.06.2013
(32) 04.12.2019	(21) EP14839662.5	(33) United States of America
(33) United States of America	(47) 25.01.2023	United States of America
(51) A61B 17/34	(87) KR2014007664	(51) A61B 18/12
(11) EP3871621	05.03.2015	A61B 18/14
(21) EP21159215.9	(22) 19.08.2014	A61B 5/283
(47) 25.01.2023	(54) MEDICAL INSERTION DEVICE	A61N 1/37
(22) 25.02.2021	(73) Kyungpook National University Industry-	A61N 1/05
(54) RETENTION ANCHOR FOR SURGICAL	Academic Cooperation Foundation	A61B 5/00
ACCESS DEVICES	(72) KIM, Kyoung Tae	A61B 18/00
(73) Covidien LP	(31) 20140034203	(11) EP3220841
(72) TOKARZ, Christopher A.	20140034202	(21) EP15860254.0
DESJARDIN, Kevin	20140034210	(47) 25.01.2023
BUYDA, Oksana	20140034206	(87) US2015061360
PATTISON, Douglas M.	20140028921	26.05.2016
ADINOLFI, Amanda M.	20140028345	(22) 18.11.2015

(54) HIGH-RESOLUTION MAPPING OF TISSUE WITH PACING	(21) EP12764431.8	(51) A61C 1/00
(73) EPIX Therapeutics, Inc.	(47) 25.01.2023	A61C 1/08
(72) PANESCU, Dorin	(87) US2012030259	(11) EP3834769
JOHNSON, Jessi E.	04.10.2012	(21) EP20203766.9
(31) 201562193547 P	(22) 23.03.2012	(47) 25.01.2023
201462081710 P	(54) SYSTEM AND METHOD FOR	(22) 26.10.2020
(32) 16.07.2015	MEASURING TILT IN THE	(54) PORTABLE DEVICE FOR ROBOTIC
19.11.2014	CRYSTALLINE LENS FOR LASER	INTRAORAL PREPARATION OF
(33) United States of America	PHACO FRAGMENTATION	ABUTMENT TEETH
United States of America	(73) Lensar, Inc.	(73) Fruman, Radu-loan
(51) A61B 18/14	(72) GRAY, Gary, P.	(72) Fruman, Radu-loan
(11) EP3139852	FREY, Rudolph, W.	(51) A61C 7/00
(21) EP15724150.6	BOTT, Steven, E.	A61C 7/14
(47) 25.01.2023	(31) 201161467601 P	(11) EP3551122
(87) US2015029796	(32) 25.03.2011	(21) EP17878491.4
12.11.2015	(33) United States of America	(47) 25.01.2023
(22) 07.05.2015	(51) A61B 34/30	(87) US2017064168
(54) CATHETER ASSEMBLIES	A61B 5/05	14.06.2018
COMPRISING A DIRECT	A61K 35/74	(22) 01.12.2017
HEATING ELEMENT FOR RENAL	A61K 49/00	(54) ELASTOMERIC ORTHODONTIC
NEUROMODULATION AND	A61M 31/00	BRACKET
ASSOCIATED SYSTEMS	G05D 1/10	(73) 3M Innovative Properties Company
(73) Medtronic Ardian Luxembourg S.à.r.l.	B81B 7/00	(72) RABY, Richard E.
(72) TUROVSKIY, Roman	A61B 90/00	(31) 201662432420 P
(31) 201414271730	G01R 33/00	(32) 09.12.2016
(32) 07.05.2014	(11) EP2861174	(33) United States of America
(33) United States of America	(21) EP12879131.6	(51) A61C 8/00
(51) A61B 18/14	(47) 25.01.2023	(11) EP3593752
A61B 18/00	(87) CA2012050400	(21) EP18835179.5
A61B 18/02	19.12.2013	(47) 25.01.2023
(11) EP2926757	(22) 13.06.2012	(87) RU2018000097
(21) EP15164210.5	(54) AGGREGATION AND CONTROL OF	24.01.2019
(47) 25.01.2023	MAGNETO-RESPONSIVE ENTITIES	(22) 20.02.2018
(22) 27.10.2010	(73) Polyvalor, Limited Partnership	(54) DENTAL IMPLANT
(54) DELIVERY DEVICES WITH COOLABLE	(72) MARTEL, Sylvain	(73) Chernovol, Nikita Sergeevich
ENERGY EMITTING ASSEMBLIES	FELFOUL, Ouajdi	(72) Chernovol, Nikita Sergeevich
(73) Nuvaira, Inc.	(51) A61B 90/00	(31) 2017125447
(72) Mayse, Martin L.	A61B 10/02	(32) 17.07.2017
Dimmer, Steven	A61B 17/34	(33) Russian Federation
(31) 260348 P	(11) EP3827779	(51) A61C 8/00
255367 P	(21) EP21153023.3	A61C 9/00
(32) 11.11.2009	(47) 25.01.2023	A61K 6/84
27.10.2009	(22) 03.04.2015	A61K 6/844
(33) United States of America	(54) BIOPSY GUIDE AFFIXED TO A	A61K 6/887
United States of America	TRANSRECTAL TRANSDUCER	A61K 6/891
(51) A61B 18/18	(73) Corbin Clinical Resources, LLC	A61K 6/90
A61B 17/32	(72) ALLAWAY, Matthew J.	(11) EP3367959
A61B 17/29	(31) 201461974826 P	(21) EP16787444.5
A61B 18/00	(32) 03.04.2014	(47) 25.01.2023
A61B 18/12	(33) United States of America	(87) EP2016075795
(11) EP3579776	(51) A61B 90/70	04.05.2017
(21) EP17895880.7	G02B 27/01	(22) 26.10.2016
(47) 25.01.2023	A61B 90/96	(54) SCAN ABUTMENT WITH AN
(87) CN2017073353	A61B 90/98	INCREASED SCANNING SURFACE
16.08.2018	(11) EP3189365	(73) Kulzer GmbH
(22) 13.02.2017	(21) EP15762929.6	(72) FUNK, Matthias
(54) CONTACTLESS CIRCUITRY FOR	(47) 25.01.2023	(31) 102015118285
CORDED SURGICAL DEVICES	(87) EP2015069123	(32) 27.10.2015
(73) Covidien LP	10.03.2016	(33) Germany
(72) TAN, Wei	(22) 20.08.2015	(51) A61C 13/00
(51) A61B 18/20	(54) USER ASSISTANCE SYSTEM	(11) EP3900667
A61F 9/008	COMPRISING A CLEANING AND	(21) EP21171998.4
A61B 3/00	DISINFECTING DEVICE	(47) 25.01.2023
A61B 3/117	(73) Olympus Winter & Ibe GmbH	(22) 15.11.2018
A61B 3/10	(72) CARLSON, Torben	(54) METHOD FOR PRODUCING CERAMIC
A61B 3/107	(31) 102014217559	DENTAL PROSTHESIS PARTS, CAD/
(11) EP2688504	(32) 03.09.2014	CAM MACHINING STATION AND
	(33) Germany	COMPUTER PROGRAM

(73) Sirona Dental Systems GmbH DENTSPLY SIRONA Inc.	(73) Protebmbis GmbH	(73) St. Jude Medical, Cardiology Division, Inc.
(72) SCHNEIDER, Hans-Christian SEIBERT, Helmut HASENZAHL, Thomas MORGENROTH, Mathias	(72) SCHUMACHER, Oliver PFENNIG, Michael JIMENEZ DIAZ, Victor Alfonso RASMUS, Conrad VON MANGOLDT, Karl	(72) ANDERL, Steven F. BRAIDO, Peter N. SCHRAUT, Julia A.
(51) A61C 13/00 A61C 5/77	(31) 102016012869	(31) 201313781381 201261665624 P
(11) EP3653167	(32) 28.10.2016	(32) 28.02.2013 28.06.2012
(21) EP18206375.0	(33) Germany	(33) United States of America United States of America
(47) 25.01.2023	(51) A61F 2/24	(51) A61F 2/24
(22) 15.11.2018	(11) EP1819304	(11) EP3515365
(54) METHOD FOR PRODUCING DENTAL FITTING BODIES AND WORKPIECE FOR THIS PURPOSE	(21) EP05853460.3	(21) EP17853876.5
(73) Sirona Dental Systems GmbH DENTSPLY SIRONA Inc.	(47) 25.01.2023	(47) 25.01.2023
(72) Grimm, Philipp Nowarra, Oliver	(87) US2005044543 15.06.2006	(87) US2017052681 29.03.2018
(51) A61C 13/271 A61C 13/00 A61C 5/20	(22) 09.12.2005	(22) 21.09.2017
(11) EP3448303	(54) AORTIC VALVE REPAIR	(54) PROSTHETIC HEART VALVE WITH REDUCED STITCHING
(21) EP17719842.1	(73) Twelve, Inc.	(73) Edwards Lifesciences Corporation
(47) 25.01.2023	(72) GIFFORD, Hanson, S. DEEM, Mark, E. BOYD, Stephen	(72) SAAR, Tomer BUKIN, Michael SHERMAN, Elena BARASH, Alexander MAYATSKAYA, Yana
(87) EP2017060025 02.11.2017	(31) 698297 P 662764 P 635275 P	(31) 201715709355 201662398439 P
(22) 27.04.2017	(32) 11.07.2005 16.03.2005 09.12.2004	(32) 19.09.2017 22.09.2016
(54) METHOD FOR PRODUCING A REAL VENEER AS WELL AS VENEER AND BRIDGE THAT CAN BE OBTAINED ACCORDING TO THE METHOD	(33) United States of America United States of America United States of America	(33) United States of America United States of America
(73) Kulzer GmbH	(51) A61F 2/24	(51) A61F 2/24
(72) BÖHM, Uwe, Dr. WOLDEGERGIS, Yohannes RUPPERT, Klaus, Dr.	(11) EP3487452	(11) EP2844193
(31) 102016107935	(21) EP17831907.5	(21) EP13725506.3
(32) 28.04.2016	(47) 25.01.2023	(47) 25.01.2023
(33) Germany	(87) US2017043162 25.01.2018	(87) US2013039405 07.11.2013
(51) A61C 17/00 A46B 5/04 D04H 1/435 D04H 1/4382 A61C 19/06	(22) 20.07.2017	(22) 03.05.2013
(11) EP3682845	(54) REPLACEMENT HEART VALVE PROSTHESIS	(54) HYPOTUBE SHAFT WITH ARTICULATION MECHANISM
(21) EP18871037.0	(73) Edwards Lifesciences Corporation	(73) St. Jude Medical, Cardiology Division, Inc.
(47) 25.01.2023	(72) PETERSON, Matthew A. YI, Seung-Beom VAD, Siddharth OBA, Travis Zenyo FRESCHAUF, Lauren R. FRENCH, Amanda KEIDAR, Yaron DU, Yuanlong BAK-BOYCHUK, Gregory GOLEMO, Kevin M.	(72) KLIMA, Daniel, J. LAPLANTE, Jeffrey, P.
(87) CN2018111524 02.05.2019	(31) 201715653390 201762471213 P 201662365070 P	(31) 201313796398 201261643149 P
(22) 24.10.2018	(32) 18.07.2017 14.03.2017 21.07.2016	(32) 12.03.2013 04.05.2012
(54) CLEANING SLEEVE FOR CLEANING ORAL CAVITY	(33) United States of America United States of America United States of America	(33) United States of America United States of America
(73) Hangzhou Jade Clove Science&Technology Co., Ltd.	(51) A61F 2/01	(51) A61F 2/38 A61F 2/30
(72) GONG, Ye	(11) EP3531967	(11) EP3189814
(31) 201711017114	(21) EP17781388.8	(21) EP16171415.9
(32) 26.10.2017	(47) 25.01.2023	(47) 25.01.2023
(33) China	(87) EP2017001097 03.05.2018	(22) 08.09.2011
(51) A61F 2/01	(22) 18.09.2017	(54) TIBIAL SHELF PROSTHETIC COMPONENT FOR UNICONDYLAR MENISCAL BEARING KNEE PROSTHESIS
(11) EP3531967	(54) EMBOLISM PROTECTOR DEVICE, METHOD FOR BENDING SAME, AND SHAPING DEVICE	(73) Biomet UK Limited Dodd, Chris Alexander Hunsley, Colin O'Connor, John Murray, David Wycliffe (72) Dodd, Chris Alexander

O'Connor, John	(54) DELIVERY SYSTEMS FOR DEVICES	21.05.2015
Murray, David Wycliffe	WITH UNSUPPORTED STRUCTURE	(33) Germany
Goodfellow, John	(73) Boston Scientific Scimed, Inc.	Germany
(31) 201015087	(72) GILMARTIN, Gary	(51) A61F 13/02
(32) 10.09.2010	TONER, Geraldine A.	(11) EP3838238
(33) United Kingdom	FOLAN, Martyn G.	(21) EP19218022.2
(51) A61F 2/50	TUCK, Daniel	(47) 25.01.2023
A61F 2/76	KEATING, Thomas M.	(22) 19.12.2019
A61F 2/80	(31) 201962832762 P	(54) DOUBLE COATING FOR WOUND
G06T 7/00	(32) 11.04.2019	DRESSINGS
G06T 17/00	(33) United States of America	(73) Mölnlycke Health Care AB
(11) EP3494932	(51) A61F 5/01	(72) JOHANNISON, Ulf
(21) EP18211483.5	A61F 2/50	SÖDERSTRÖM, Bengt
(47) 25.01.2023	F16F 9/19	GERGELY, AnnBritt
(22) 11.12.2018	F16F 9/512	HALLDIN, Kristina
(54) METHOD FOR PRODUCING A MODEL	F16F 9/516	(51) A61H 3/00
FOR A LIMB STUMP FOR MAKING A	F16F 9/30	A61F 5/02
PROSTHESIS SHAFT	F16F 9/32	A61H 1/00
(73) Pohlig GmbH	(11) EP3890664	A61H 1/02
(72) Pohlig, Kurt	(21) EP19817237.1	B25J 9/00
Schäfer, Michael	(47) 25.01.2023	(11) EP3958814
(31) 102017222363	(87) EP2019083856	(21) EP20728837.4
(32) 11.12.2017	11.06.2020	(47) 25.01.2023
(33) Germany	(22) 05.12.2019	(87) US2020029573
(51) A61F 2/68	(54) APPARATUS FOR STABILIZING BODY	29.10.2020
A61F 5/01	JOINTS AND/OR SUPPORTING ITEMS	(22) 23.04.2020
A61F 2/74	OF SPORTS EQUIPMENT	(54) LOCKING AND ADJUSTMENT
(11) EP3897469	(73) Betterguards Technology GmbH	MECHANISM FOR EXOSKELETON
(21) EP19820732.6	(72) BICHLER, Vinzenz	(73) OSSUR ICELAND EHF
(47) 25.01.2023	STUMPER, Timo	(72) THORISDOTTIR, Kristin Asa
(87) EP2019084499	BUSCHINGER, Oscar	SANDAHL, David
25.06.2020	(31) 102018131457	(31) 201962837356 P
(22) 10.12.2019	(32) 07.12.2018	(32) 23.04.2019
(54) ORTHOPEDIC JOINT DEVICE	(33) Germany	(33) United States of America
(73) Ottobock SE & Co. KGaA	(51) A61F 9/007	(51) A61K 8/02
(72) PUSCH, Martin	(11) EP3261595	A61K 8/19
(31) 102018133063	(21) EP16722947.5	A61K 8/46
(32) 20.12.2018	(47) 25.01.2023	A61K 8/35
(33) Germany	(87) IB2016052572	A61K 8/73
(51) A61F 2/90	10.11.2016	A61K 8/49
A61L 27/04	(22) 05.05.2016	A61K 8/27
A61F 2/915	(54) OPHTHALMIC SURGICAL DEVICE	A61Q 5/12
A61L 31/02	HANDLE	A61Q 5/02
A61L 31/14	(73) Alcon Inc.	A61Q 17/04
A61F 2/89	(72) EGLI, Lorenz	A61Q 5/00
A61F 2/91	(31) 201514866401	(11) EP3897863
A61F 2/82	201562158208 P	(21) EP19806277.0
(11) EP2656818	(32) 25.09.2015	(47) 25.01.2023
(21) EP11850312.7	07.05.2015	(87) EP2019082627
(47) 25.01.2023	(33) United States of America	25.06.2020
(87) CN2011083683	United States of America	(22) 26.11.2019
28.06.2012	(51) A61F 13/00	(54) HAIR CARE COMPOSITION
(22) 08.12.2011	A61F 13/02	COMPRISING PYRITHIONE
(54) ABSORBABLE BLOOD VESSEL STENT	(11) EP3297591	(73) Unilever IP Holdings B.V.
(73) Biotyx Medical (Shenzhen) Co., Ltd.	(21) EP16723760.1	(72) CHEN, Guoqiang
(72) WANG, Yongsheng	(47) 25.01.2023	PAN, Xiaoyun
ZHANG, Deyuan	(87) EP2016061365	TANG, Xuezhi
XIN, Chaohua	24.11.2016	(31) PCT/CN2018/122794
(31) 201010598542	(22) 20.05.2016	19154998
(32) 21.12.2010	(54) PLASTER WITH BI-ELASTIC BACKING	(32) 21.12.2018
(33) China	LAYER	01.02.2019
(51) A61F 5/00	(73) AdhexPharma SAS	(33) World Intellectual Property Office (WIPO)
(11) EP3876876	(72) KAFFL, Hubert	European Patent Office (EPO)
(21) EP20723673.8	GEGENFURTNER, Klaus	(51) A61K 8/25
(47) 25.01.2023	RODLER, Stefanie	A61K 8/26
(87) US2020027712	(31) 102016105889	A61Q 19/00
15.10.2020	102015006599	A61K 8/02
(22) 10.04.2020	(32) 31.03.2016	A61K 8/06

A61K 8/31	A61K 47/10	A61P 29/00
(11) EP3644942	A61K 47/24	(11) EP3796904
(21) EP18736835.2	A61K 47/42	(21) EP18939843.1
(47) 25.01.2023	A61Q 19/00	(47) 25.01.2023
(87) EP2018067089	A61K 9/00	(87) TR2018050696
03.01.2019	A61K 9/06	22.05.2020
(22) 26.06.2018	A61K 47/18	(22) 16.11.2018
(54) POWDER COSMETIC COMPOSITION	(11) EP3881823	(54) SUSTAINED RELEASE ACETAMINOCOMPOSITIONS
BASED ON AN OIL-IN-WATER	(21) EP21169841.0	
DISPERSION COATED WITH	(47) 25.01.2023	(73) Santa Farma İlaç Sanayi A.S.
HYDROPHOBIC SILICA AEROGEL	(22) 25.12.2014	(72) YILDIRIM, Ersin
PARTICLES AND ALUMINA	(54) SOLID BASE MATERIAL CONTAINING	KANIK, Bayram
NANOPARTICLES	LIPID PEPTIDE COMPOUND	AKTAS, Tansel
(73) L'Oreal	(73) Nissan Chemical Corporation	ÖZTÜRK, Fatma
(72) PINHEIRO BAIRRAS, Bernardino	(72) Imoto, Takayuki	ZOR, Ali
(31) 1755816	Kashino, Tsubasa	
(32) 26.06.2017	(31) 2014134784	(51) A61K 31/19
(33) France	2013267608	A61P 3/04
(51) A61K 8/34	(32) 30.06.2014	(11) EP3302704
A61K 8/37	25.12.2013	(21) EP16804333.9
A61K 8/46	(33) Japan	(47) 25.01.2023
A61K 8/02	Japan	(87) US2016035273
A61Q 5/12	(51) A61K 9/00	08.12.2016
A61Q 19/10	A61K 9/28	(22) 01.06.2016
(11) EP3551160	A61K 9/50	(54) COMPOSITIONS AND METHODS
(21) EP17800885.0	A61K 31/519	OF USE OF BETA-HYDROXY-BETA-
(47) 25.01.2023	A61P 35/00	METHYLBUTYRATE (HMB) FOR
(87) EP2017079942	A61P 35/02	DECREASING FAT MASS
14.06.2018	(11) EP3236943	(73) Metabolic Technologies, Inc.
(22) 21.11.2017	(21) EP15834774.0	(72) RATHMACHER, John
(54) FLEXIBLE SOLID COSMETIC	(47) 25.01.2023	ABUMRAD, Naji
COMPOSITION COMPRISING	(87) US2015000515	BAIER, Shawn
SULFONATE ANIONIC SURFACTANTS,	30.06.2016	(31) 201562169334 P
FATTY ESTERS AND FATTY	(22) 23.12.2015	(32) 01.06.2015
ALCOHOLS, AND COSMETIC	(54) COMPOSITIONS FOR ILEO-JEJUNAL	(33) United States of America
TREATMENT METHOD	DRUG DELIVERY	
(73) L'OREAL	(73) Principia Biopharma Inc.	(51) A61K 31/4523
(72) THOMAS, Béatrice	(72) NUNN, Philip, A.	A61K 31/737
PINAY, Frederik	BERNER, Bret	A61P 9/00
(31) 1662217	MASJEDIZADEH, Mohammad, Reza	A61P 9/04
(32) 09.12.2016	(31) 201462096812 P	A61P 9/10
(33) France	(32) 24.12.2014	(11) EP3756667
(51) A61K 8/38	(33) United States of America	(21) EP20188474.9
A61K 8/66	(51) A61K 9/00	(47) 25.01.2023
A61Q 11/00	A61K 31/4184	(22) 09.07.2014
A61K 8/81	A61K 31/352	(54) INHIBITORS OF ADAMTS4
A61K 8/22	A61K 47/26	OR ADAMTS5 FOR USE IN
A61K 8/60	A61K 9/08	PREVENTING OR TREATING CARDIAC
(11) EP3233036	A61K 9/19	REMODELING AND CHRONIC HEART
(21) EP15820346.3	(11) EP3648739	FAILURE
(47) 25.01.2023	(21) EP18828340.2	(73) Universitetet I Oslo
(87) US2015063335	(47) 25.01.2023	(72) VISTNES, Maria
23.06.2016	(87) KR2018007693	CHRISTENSEN, Geir
(22) 02.12.2015	10.01.2019	ARONSEN, Magnus
(54) KITS FOR REMOVING CALCULUS	(22) 06.07.2018	LUNDE, Ida Gjervold
(73) 3M Innovative Properties Company	(54) COMPOSITION FOR INJECTION	SJAASTAD, Ivar
(72) HAEBERLEIN, Ingo R.	(73) HK inno.N Corporation	CARLSON, Cathrine Rein
HAJIME, Evan K. L. Y.	(72) KIM, Hyo Jin	(31) 201312311
KOHLER RIEDI, Petra L.	KIM, Sung Jun	(32) 09.07.2013
CAO, Chuntao	LEE, Min Kyoung	(33) United Kingdom
OXMAN, Joel D.	LEE, Sung Ah	
SWANSON, Steven P.	YOON, Mi Young	(51) A61K 31/506
GUGGENBERGER, Rainer	(31) 20170086696	A61K 45/06
(31) 201462091715 P	(32) 07.07.2017	A61P 35/02
(32) 15.12.2014	(33) Korea (Republic)	(11) EP3600326
(33) United States of America	(51) A61K 9/16	(21) EP18718926.1
(51) A61K 8/64	A61K 31/405	(47) 25.01.2023
A61K 8/02	A61K 9/48	(87) IB2018052187
		04.10.2018
		(22) 29.03.2018

(54) DOSE AND REGIMEN FOR AN HDM2-P53 INTERACTION INHIBITOR IN HEMATOLOGICAL TUMORS	(87) CN2018084417 01.11.2018	PARK, Yong-Sun
(73) Novartis AG	(22) 25.04.2018	RYU, Ji Young
(72) FERRETTI, Stephane	(54) USE OF HCN INHIBITORS FOR TREATMENT OF CANCER	LEE, Yoon-Sik
GUERREIRO, Nelson	(73) The University of Hong Kong	(31) 20200044735
JEAY, Sebastien	(72) KHOO, Ui Soon	20200044724
JULLION, Astrid	TSOI, Ho Frankie	(32) 13.04.2020
MEILLE, Christophe	GONG, Chun Jade	13.04.2020
WUERTHNER, Jens	LEE, Kin Wah Terence	(33) Korea (Republic)
FABRE, Claire	(31) 201762490774 P	Korea (Republic)
(31) 201762479397 P	(32) 27.04.2017	(51) A61K 47/02
(32) 31.03.2017	(33) United States of America	A61K 9/20
(33) United States of America	(51) A61K 38/17	A61K 47/38
(51) A61K 31/548	A61K 48/00	A61K 31/375
C07D 513/18	A61P 25/28	A23P 30/10
C07D 487/04	C07K 14/705	A23P 10/28
A61K 45/06	A61K 47/68	C08J 3/12
A61K 31/27	A61P 25/16	C08K 3/00
A61K 31/445	(11) EP3624838	C08K 3/22
A61K 31/473	(21) EP18801838.6	C08K 3/34
A61P 25/28	(47) 25.01.2023	C08L 1/02
A61K 31/522	(87) US2018032699	C08L 1/26
(11) EP3733188	22.11.2018	(11) EP3385306
(21) EP20172824.3	(22) 15.05.2018	(21) EP16870506.9
(47) 25.01.2023	(54) METHODS OF USE OF SOLUBLE CD24 FOR NEUROPROTECTION AND REMYELINATION	(47) 25.01.2023
(22) 03.06.2016	(73) Oncoimmune, Inc.	(87) JP2016084657
(54) USE OF H3K9ME3 MODULATION FOR ENHANCING COGNITIVE FUNCTION	Children's National Medical Center	08.06.2017
(73) The Regents of the University of California	(72) LIU, Yang	(22) 22.11.2016
(72) COTMAN, Carl	ZHENG, Pan	(54) COMPOSITE PARTICLES INCLUDING CELLULOSE, INORGANIC COMPOUND, AND HYDROXYPROPYL CELLULOSE
OVERMAN, Larry	LI, Ning	(73) Asahi Kasei Kabushiki Kaisha
SNIGDHA, Shikha	DEVENPORT, Martin	(72) HONDA, Yosuke
(31) 201562172690 P	(31) 201762506135 P	OBAE, Kazuhiro
(32) 08.06.2015	(32) 15.05.2017	KODAMA, Hanayo
(33) United States of America	(33) United States of America	(31) 2015233138
(51) A61K 31/7088	(51) A61K 39/08	(32) 30.11.2015
C12N 15/11	C07K 14/33	(33) Japan
A61K 48/00	(11) EP3513806	(51) A61L 2/28
(11) EP3678673	(21) EP19159001.7	G01N 25/60
(21) EP18792572.2	(47) 25.01.2023	G01N 7/14
(47) 25.01.2023	(22) 03.12.2013	(11) EP2897652
(87) US2018049772	(54) IMMUNOGENIC COMPOSITION	(21) EP13770596.8
14.03.2019	(73) GlaxoSmithKline Biologicals SA	(47) 25.01.2023
(22) 06.09.2018	(72) BOUTRIAU, Dominique	(87) US2013059909
(54) COMPOSITIONS AND PROCESSES FOR TARGETED DELIVERY, EXPRESSION AND MODULATION OF CODING RIBONUCLEIC ACIDS IN TISSUE	GERMAIN, Sophie Marie Jeanne	27.03.2014
(73) Combined Therapeutics, Inc.	Valentine	(22) 16.09.2013
(72) MICOL, Romain	WALLEMACQ, Hugues	(54) MEASUREMENT OF THE NCG CONCENTRATION IN A STEAM STERILIZER
ANTOSZCZYK, Slawomir	(31) 201221875	(73) 3M Innovative Properties Company
(31) 201714430	(32) 05.12.2012	(72) SCHUMACHER, Knut
201862632056 P	(33) United Kingdom	HERMSEN, Robbert-Jan
(32) 07.09.2017	(51) A61K 41/00	(31) 201216587
19.02.2018	C01G 49/00	(32) 18.09.2012
(33) United Kingdom	C01G 49/08	(33) United Kingdom
United States of America	H01F 1/00	(51) A61L 29/06
(51) A61K 38/00	H01F 1/34	A61M 25/10
A61K 31/55	B82Y 25/00	(11) EP3554570
A61K 31/7088	B82Y 5/00	(21) EP17822951.4
C12N 15/00	(11) EP3895734	(47) 25.01.2023
A61P 35/00	(21) EP21155135.3	(87) US2017065853
(11) EP3615052	(47) 25.01.2023	21.06.2018
(21) EP18791516.0	(22) 04.02.2021	(22) 12.12.2017
(47) 25.01.2023	(54) IRON OXIDE MAGNETIC PARTICLES COMPRISING COPPER(I)HALIDES	(54) MEDICAL BALLOON
	(73) ZTI Biosciences Co., Ltd.	(73) Boston Scientific Scimed, Inc.
	(72) CHANG, Hyungseok	(72) MARTIN, Daryl Lee
	PARK, Sei Jin	LINDQUIST, Jeffrey S.

HORN, Daniel James	(47) 25.01.2023	(51) A61M 15/00
SPITAEI, Pieter	(87) IB2017055595	(11) EP3419707
(31) 201662433730 P	22.03.2018	(21) EP17705148.9
(32) 13.12.2016	(22) 15.09.2017	(47) 25.01.2023
(33) United States of America	(54) SYRINGE ACTUATING DEVICE	(87) EP2017053728
(51) A61L 31/14	(73) Cane' S.p.A.	31.08.2017
A61L 31/06	(72) CANE', Claudio	(22) 20.02.2017
A61L 31/02	CANE', Mario	(54) INHALER
A61L 31/16	CANE', Paolo	(73) Boehringer Ingelheim International GmbH
A61L 17/12	(31) 201600093803	(72) HOLAKOVSKY, Holger
A61L 17/10	(32) 19.09.2016	BESSELER, Jens
A61L 17/00	(33) Italy	FRENTZEL-BEYME, Jessica
A61L 27/04	(51) A61M 5/142	HERRMANN, Frank
A61L 27/34	F04B 19/00	(31) 16020049
A61L 27/54	F04B 43/04	(32) 24.02.2016
A61L 27/58	H01J 37/08	(33) European Patent Office (EPO)
A61L 31/10	G01N 33/487	(51) A61M 16/00
(11) EP3563885	(11) EP3429660	A62B 7/00
(21) EP17888844.2	(21) EP17709938.9	A61M 16/06
(47) 25.01.2023	(47) 25.01.2023	A61M 16/10
(87) CN2017117097	(87) EP2017055385	A61M 16/16
05.07.2018	21.09.2017	(11) EP2506910
(22) 19.12.2017	(22) 08.03.2017	(21) EP10834816.0
(54) ABSORBABLE IRON-BASED DEVICE	(54) ION CONDUCTIVE DEVICE WITH	(47) 25.01.2023
(73) Biotyx Medical (Shenzhen) Co., Ltd.	CONTROLLED DELIVERY ELECTRODE	(87) NZ2010000234
(72) HU, Jun	(73) OBOE IPR AB	09.06.2011
ZHANG, Deyuan	(72) JONSSON, Amanda	(22) 30.11.2010
SUN, Hongtao	ARBRING SJÖSTRÖM, Theresia	(54) BREATHING ASSISTANCE
CHEN, Liping	SIMON, Daniel	APPARATUS
(31) 201611264429	BERGGREN, Magnus	(73) Fisher & Paykel Healthcare Limited
(32) 30.12.2016	(31) 1650348	(72) PEIRIS, Malik, Tivanka, Rajiv
(33) China	(32) 15.03.2016	SOMERVALL, Andrew, Robert, Donald
(51) A61M 1/00	(33) Sweden	HARWOOD, Jonathan, David
A61F 13/00	(51) A61M 5/315	(31) 265498 P
A61M 3/02	A61M 5/24	(32) 01.12.2009
(11) EP3804777	A61M 5/31	(33) United States of America
(21) EP20210429.5	(11) EP3639872	(51) A61M 16/06
(47) 25.01.2023	(21) EP19213439.3	(11) EP3478352
(22) 05.12.2014	(47) 25.01.2023	(21) EP17739502.7
(54) SYSTEM FOR PROVIDING REDUCED-	(22) 29.08.2013	(47) 25.01.2023
PRESSURE THERAPY AND	(54) DRUG DELIVERY DEVICE	(87) EP2017066049
INSTILLATION THERAPY	(73) Sanofi-Aventis Deutschland GmbH	04.01.2018
(73) 3M Innovative Properties Co.	(72) PLUMPTRE, David Aubrey	(22) 28.06.2017
(72) PRATT, Benjamin Andrew	OSMAN, Thomas Frederick	(54) METHOD OF GENERATING
LOCKE, Christopher Brian	(31) 201261696496 P	A CONFIGURATION FOR A
(31) 201361917773 P	12182564	CUSTOMIZED HEADGEAR
(32) 18.12.2013	(32) 04.09.2012	(73) Koninklijke Philips N.V.
(33) United States of America	31.08.2012	(72) HO, Peter, Chi, Fai
(51) A61M 1/02	(33) United States of America	(31) 201662355982 P
A61M 1/36	European Patent Office (EPO)	(32) 29.06.2016
B04B 5/04	(51) A61M 5/32	(33) United States of America
(11) EP3856272	A61B 17/20	(51) A61M 16/10
(21) EP20720757.2	A61M 5/46	A61M 16/16
(47) 25.01.2023	(11) EP2484396	F04D 29/02
(87) EP2020060212	(21) EP10820308.4	F04D 29/053
15.10.2020	(47) 25.01.2023	F04D 29/056
(22) 09.04.2020	(87) JP2010065247	F04D 29/28
(54) BLOOD-SEPARATING DEVICE	07.04.2011	F04D 29/30
(73) Lmb Technologie GmbH	(22) 06.09.2010	F04D 29/42
(72) JENTSCH, Klaus	(54) INJECTION AID AND MEDICATION	F04D 29/62
(31) 102019109749	SYRINGE DEVICE	F04D 29/66
(32) 12.04.2019	(73) Terumo Kabushiki Kaisha	A61M 16/00
(33) Germany	(72) IWASE Yoichiro	F04D 29/58
(51) A61M 5/142	YOKOTA Takayuki	F04D 17/16
A61M 5/145	HISHIKAWA Yoshinori	F04D 25/06
A61M 5/168	(31) 2009228549	F04D 25/08
(11) EP3515534	(32) 30.09.2009	F04D 27/00
(21) EP17780893.8	(33) Japan	

G01F 1/075	(54) INVAGINATING DEVICE	(31) 102015117923
(11) EP3470104	(73) Strait Access Technologies Holdings (PTY) LTD	102015112388
(21) EP18194574.2	(72) ZILLA, Peter Paul	(32) 21.10.2015
(47) 25.01.2023	VAN BREDA, Braden Sydney Clive	29.07.2015
(22) 13.07.2012	BEZUIDENHOUT, Deon	(33) Germany
(54) IMPELLER AND MOTOR ASSEMBLY	(31) 201713711	Germany
(73) Fisher & Paykel Healthcare Limited	(32) 25.08.2017	(51) A61M 25/09
(72) BOTHMA, Johannes Nicolaas	(33) United Kingdom	A61M 25/00
BENT, Scott	(51) A61M 25/01	(11) EP3815732
DARBY, Adam, John	A61M 25/06	(21) EP18924256.3
(31) 201161507384 P	A61M 25/00	(47) 25.01.2023
(32) 13.07.2011	A61M 25/09	(87) JP2018024867
(33) United States of America	(11) EP3280481	02.01.2020
(51) A61M 16/16	(21) EP16717072.9	(22) 29.06.2018
(11) EP3386578	(47) 25.01.2023	(54) GUIDE WIRE
(21) EP16872509.1	(87) US2016026584	(73) ASAHI INTECC CO., LTD.
(47) 25.01.2023	13.10.2016	(72) USHIDA Keisuke
(87) IB2016057285	(22) 08.04.2016	IWATA Naozumi
15.06.2017	(54) TRAP BALLOON CATHETER WITH	(51) A61M 25/10
(22) 02.12.2016	TRAP BALLOON RETAINER	A61B 17/3207
(54) HUMIDIFICATION SYSTEM	(73) Boston Scientific Scimed Inc.	A61M 25/00
(73) Fisher & Paykel Healthcare Limited	(72) FULLER, Jeffrey Steven	A61M 25/01
(72) KURIGER, Donald Roy	GUPTA, Ajay	(11) EP3554612
BOTHMA, Johannes Nicolaas	KOCUR, Gordon	(21) EP17879736.1
YATSEVICH, Igor Olegovich	BOYLAN, Patrick	(47) 25.01.2023
(31) 201562266123 P	BYRNE, Fiona	(87) US2017065839
(32) 11.12.2015	(31) 201662279983 P	21.06.2018
(33) United States of America	201562145496 P	(22) 12.12.2017
(51) A61M 25/00	(32) 18.01.2016	(54) BALLOON CATHETERS
(11) EP3536371	09.04.2015	(73) C. R. Bard, Inc.
(21) EP18160214.5	(33) United States of America	(72) DICLAUDIO, Karen, A.
(47) 25.01.2023	United States of America	(31) 201662435223 P
(22) 06.03.2018	(51) A61M 25/04	(32) 16.12.2016
(54) CATHETER WITH CATHETER HUB	A61M 1/00	(33) United States of America
(73) Phenox Ltd.	A61J 15/00	(51) A61M 25/10
(72) Tröskén, Volker	A61M 25/00	A61F 2/958
Monstadt, Hermann	(11) EP3191165	(11) EP3326679
Hannes, Ralf	(21) EP15840441.8	(21) EP17203355.7
Slattery, David	(47) 25.01.2023	(47) 25.01.2023
Beatty, Ken	(87) US2015049130	(22) 23.11.2017
(51) A61M 25/01	17.03.2016	(54) CURVED PASSAGEWAY
(11) EP3423141	(22) 09.09.2015	CONFORMING BALLOON CATHETER
(21) EP17719104.6	(54) INTRALUMINAL TUBES WITH	WITH NESTED BALLOONS
(47) 25.01.2023	DEPLOYABLE STRUCTURES AND	(73) Cook Medical Technologies LLC
(87) US2017026576	RELATED METHODS	(72) SPINDLER, Ralf
12.10.2017	(73) Baylor Research Institute	MERK, James
(22) 07.04.2017	Leeds, Steven G.	MAYLE, Brent
(54) MAPPING VARIABLE LOOP CATHETER	(72) LEEDS, Steven G.	LYSGAARD, Thomas
HANDLE	(31) 201462047915 P	(31) 201662426782 P
(73) St. Jude Medical, Cardiology Division, Inc.	(32) 09.09.2014	(32) 28.11.2016
(72) HILLUKKA, Brett A.	(33) United States of America	(33) United States of America
BANSAL, Varun	(51) A61M 25/06	(51) A61M 27/00
LEINGANG, Evan Michael	A61B 17/34	A61M 1/00
THOMPSON, Richard A.	A61B 90/40	(11) EP2648795
(31) 201662320067 P	(11) EP3328478	(21) EP11847193.7
(32) 08.04.2016	(21) EP16748085.4	(47) 25.01.2023
(33) United States of America	(47) 25.01.2023	(87) US2011063686
(51) A61M 25/01	(87) EP2016067785	14.06.2012
A61B 1/00	02.02.2017	(22) 07.12.2011
A61B 17/34	(22) 26.07.2016	(54) SYSTEM FOR REMOVING EXUDATES
A61M 25/10	(54) PUNCTURING SYSTEM	FROM A WOUND SITE
(11) EP3672507	(73) Ebnet Medical GmbH	(73) ConvaTec Technologies Inc.
(21) EP18786392.3	Mölgén, Roland	(72) TOTH, Landy
(47) 25.01.2023	Raymondos, Konstantinos	(31) 421006 P
(87) IB2018055054	(72) Ebnet, Jens	421012 P
28.02.2019	Mölgén, Roland	(32) 08.12.2010
(22) 10.07.2018	Raymondos, Konstantinos	08.12.2010
		(33) United States of America

United States of America	(87) EP2018072322	(11) EP3393542
(51) A61M 37/00	21.02.2019	(21) EP16823483.9
A61B 17/20	(22) 17.08.2018	(47) 25.01.2023
A61B 17/00	(54) BLOOD PUMP	(87) US2016067841
A61B 17/072	(73) Abiomed Europe GmbH	29.06.2017
A61B 17/34	(72) NIX, Christoph	(22) 20.12.2016
(11) EP3773859	LUNZE, Katrin	(54) AXIAL FLOW IMPLANTABLE
(21) EP19927566.0	SIESS, Thorsten	MECHANICAL CIRCULATORY
(47) 25.01.2023	ABOULHOSN, Walid	SUPPORT DEVICES WITH OUTLET
(87) US2019062205	(31) 17186897	VOLUTE
26.11.2020	(32) 18.08.2017	(73) Heartware, Inc.
(22) 19.11.2019	(33) European Patent Office (EPO)	(72) TASKIN, Mustafa Ertan
(54) WIRELESS POWER SUPPLY AND	(51) A61M 60/135	SHAMBAUGH, JR., Charles R.
SPEED CONTROLLER FOR TATTOO	A61M 60/205	(31) 201562270189 P
MACHINE	A61M 60/174	(32) 21.12.2015
(73) CRITICAL TATTOO SUPPLY, LLC	A61M 60/13	(33) United States of America
(72) LIPSCOMB, Randy	A61M 60/216	(51) A61N 1/32
(31) 201916417904	A61M 60/416	H02J 7/00
(32) 21.05.2019	A61M 60/825	A61B 18/12
(33) United States of America	A61M 60/857	A61B 18/00
(51) A61M 37/00	(11) EP3768345	(11) EP3682942
A61M 35/00	(21) EP19713016.4	(21) EP20159887.7
(11) EP3851154	(47) 25.01.2023	(47) 25.01.2023
(21) EP21155218.7	(87) EP2019057272	(22) 22.12.2016
(47) 25.01.2023	26.09.2019	(54) MODULAR, VARIABLE ELECTRONIC
(22) 29.04.2015	(22) 22.03.2019	POWER SYSTEM FOR GENERATING
(54) TRANSDERMAL DRUG DELIVERY	(54) METHOD OF MANUFACTURING A	ELECTRICAL PULSES
APPARATUS	BLOOD PUMP	(73) Universidad De Zaragoza
(73) Sorrento Therapeutics, Inc.	(73) Abiomed Europe GmbH	Universitat Pompeu Fabra
(72) BAKER, Andrew T.	(72) KIRCHHOFF, Frank	(72) SARNAGO ANDÍA, Héctor
GADSBY, Elizabeth Deibler	PENNNERS, Josef	LUCÍA GIL, Óscar
ROSS, Russel E.	SIESS, Thorsten	BURDÍO PINILLA, José Miguel
HAGAN, Luke	CARELL, Werner	NAVAL PALLARÉS, Alejandro
(31) 201461996149 P	KERKHOFSS, Wolfgang	IVORRA CANO, Antoni
(32) 30.04.2014	(31) 18163761	CASTELLVÍ FERNÁNDEZ, Quim
(33) United States of America	18163758	(31) 201531870
(51) A61M 60/122	(32) 23.03.2018	(32) 22.12.2015
A61M 60/237	23.03.2018	(33) Spain
A61M 60/422	(33) European Patent Office (EPO)	(51) A61N 1/36
A61M 60/515	European Patent Office (EPO)	A61N 1/362
A61M 60/538	(51) A61M 60/148	A61N 1/365
A61M 60/81	A61M 60/178	A61N 1/372
A61M 60/861	A61M 60/226	(11) EP3880296
(11) EP3393541	A61M 60/419	(21) EP19836693.2
(21) EP16823481.3	A61M 60/546	(47) 25.01.2023
(47) 25.01.2023	A61M 60/816	(87) US2019060731
(87) US2016067836	A61M 60/82	22.05.2020
29.06.2017	A61M 60/857	(22) 11.11.2019
(22) 20.12.2016	A61M 60/863	(54) APPARATUS FOR ATRIAL
(54) IMPLANTABLE MECHANICAL	A61M 60/878	TACHYARRHYTHMIA DETECTION
CIRCULATORY SUPPORT DEVICES	(11) EP2892583	(73) Medtronic, Inc.
(73) Heartware, Inc.	(21) EP13835446.9	(72) SARKAR, Shantanu
(72) GODSHALL, Douglas	(47) 25.01.2023	SHELDON, Todd J.
TASKIN, Mustafa Ertan	(87) US2013058253	DEMME, Wade M.
LAROSE, Jeffrey A.	13.03.2014	SPLETT, Vincent E.
YOUKER, Nick	(22) 05.09.2013	(31) 201816186937
SIMON, Andre	(54) VAD INTEGRATED FLOW SENSOR	(32) 12.11.2018
(31) 201562270156 P	(73) Heartware, Inc.	(33) United States of America
(32) 21.12.2015	(72) TAMEZ, Dan	(51) A61N 1/372
(33) United States of America	VOSKOBOYNIKOV, Neil	A61N 1/375
(51) A61M 60/13	(31) 201261697087 P	A61N 1/362
A61M 60/178	(32) 05.09.2012	A61N 1/365
A61M 60/538	(33) United States of America	A61N 1/368
A61M 60/531	(51) A61M 60/178	(11) EP3218051
A61M 60/569	A61M 60/242	(21) EP15801533.9
(11) EP3668562	A61M 60/81	(47) 25.01.2023
(21) EP18756233.5	A61M 60/814	(87) US2015058743
(47) 25.01.2023	A61M 60/422	19.05.2016

(22) 03.11.2015	(54) INCORPORATING MULTIPLE TARGETS	(51) A61P 27/02
(54) MODE SWITCHING BY A	IN TRAJECTORY OPTIMIZATION	C07D 401/14
VENTRICULAR LEADLESS PACING	FOR RADIOTHERAPY TREATMENT	C07D 403/14
DEVICE	PLANNING	C07D 471/04
(73) Medtronic Inc.	(73) Siemens Healthineers International AG	C07D 471/08
(72) SHELDON, Todd J.	The Board of Trustees of the Leland	C07D 487/04
DEMMER, Wade M.	Stanford Junior University	C07D 487/08
(31) 201414538518	(72) LOCKE, Christopher, Barry	C07D 487/10
(32) 11.11.2014	OLLILA, Santtu	C07D 491/048
(33) United States of America	BUSH, Karl, Kenneth	C07D 491/08
(51) A61N 1/375	(31) 201816235205	C07D 491/107
A61N 1/37	(32) 28.12.2018	A61K 31/505
A61N 1/39	(33) United States of America	A61K 31/4439
(11) EP3532160	(51) A61P 1/04	(11) EP3863713
(21) EP17794201.8	A61P 1/18	(21) EP19784047.3
(47) 25.01.2023	A61P 5/00	(47) 25.01.2023
(87) US2017058242	A61P 7/00	(87) EP2019077082
03.05.2018	A61P 11/00	16.04.2020
(22) 25.10.2017	A61P 15/00	(22) 07.10.2019
(54) SEPARATE DEVICE IN MANAGING	A61P 17/00	(54) PHENYLKETRAZOLE DERIVATIVES AS
THE PACE PULSE ENERGY OF A	A61P 19/00	PLASMA KALLIKREIN INHIBITORS
CARDIAC PACEMAKER	A61K 39/00	(73) Boehringer Ingelheim International
(73) Cardiac Pacemakers, Inc.	A61P 31/12	GmbH
(72) LUDWIG, Jacob M.	A61P 37/02	(72) WIEDENMAYER, Dieter
MAILE, Keith R.	A61P 43/00	GOLLNER, Andreas
(31) 201662413702 P	A61P 35/00	LINGARD, Iain
(32) 27.10.2016	C07K 16/30	WAGNER, Holger
(33) United States of America	(11) EP3360899	(31) 18199704
(51) A61N 5/10	(21) EP17200104.2	(32) 10.10.2018
(11) EP3932482	(47) 25.01.2023	(33) European Patent Office (EPO)
(21) EP20194440.2	(22) 10.10.2012	(51) A61P 35/00
(47) 25.01.2023	(54) ANTIBODIES TO	A61K 35/17
(22) 03.09.2020	CARCINOEMBRYONIC ANTIGEN-	C07K 16/28
(54) CHARGED PARTICLE TREATMENT	RELATED CELL ADHESION	C12N 5/0783
PLANNING SYSTEM WITH PBS	MOLECULE (CEACAM)	C07K 16/30
BEAMLETS SEQUENCE OPTIMIZED	(73) Tel HaShomer Medical Research	C07K 16/32
FOR HIGH DOSE DEPOSITION RATE	Infrastructure and Services Ltd.	C07K 16/40
(73) Ion Beam Applications S.A.	FameWave Ltd.	C07K 16/42
(72) LABARBE, Rudi	Ramot at Tel-Aviv University Ltd.	(11) EP4010082
HOTOIU, Lucian	(72) MARKEL, Gal	(21) EP21756070.5
PIN, Arnaud	BEN MOSHE, Tehila	(47) 25.01.2023
(31) 20183082	SAPIR, Yair	(87) IB2021057509
(32) 30.06.2020	MANDEL, Ilana	17.02.2022
(33) European Patent Office (EPO)	SCHACHTER, Jacob	(22) 14.08.2021
(51) A61N 5/10	ORTENBERG, Rona	(54) MULTISPECIFIC ANTI-TCR DELTA
(11) EP2280765	(31) PCT/IL2011/000808	VARIABLE 1 ANTIBODIES
(21) EP09767270.3	(32) 11.10.2011	(73) GammaDelta Therapeutics Limited
(47) 25.01.2023	(33) World Intellectual Property Office (WIPO)	(72) UDEN, Mark
(87) US2009045193	(51) A61P 17/10	TUNA, Mihriban
23.12.2009	A61Q 19/00	MOUNT, Natalie
(22) 26.05.2009	A61Q 19/10	GOOD, Robert
(54) TREATMENT OF PATIENT TUMORS BY	A61K 8/44	FREEDMAN, Joshua
CHARGED PARTICLE THERAPY	A61K 8/39	BHUMBRA, Shafali
(73) Varian Medical Systems, Inc.	A61K 8/42	NUSSBAUMER, Oliver
(72) BOEH, Lester	(11) EP3505218	MEHTA, Raj Jaysukhlal
CLAYTON, James	(21) EP18211568.3	(31) 202102224
MARC, Marcel	(47) 25.01.2023	202102222
LANGENEGGER, Armin	(22) 11.12.2018	PCT/GB2020/051959
(31) 128500	(54) A GENTLE DETERGENT	(32) 17.02.2021
(32) 28.05.2008	COMPOSITION FOR GREASY AND	17.02.2021
(33) United States of America	ACNEIC SKINS	14.08.2020
(51) A61N 5/10	(73) Unifarco S.p.A.	(33) United Kingdom
(11) EP3902600	(72) Baratto, Giovanni	United Kingdom
(21) EP19829625.3	Semenzato, Alessandra	World Intellectual Property Office (WIPO)
(47) 25.01.2023	Costantini, Alessia	(51) A61Q 5/02
(87) EP2019086908	(31) 201700143871	A61K 8/81
02.07.2020	(32) 13.12.2017	A61K 8/02
(22) 23.12.2019	(33) Italy	C11D 3/37

C11D 17/06	(21) EP19777481.3	(22) 05.02.2018
D04H 3/007	(47) 25.01.2023	(54) GAS-LIQUID SEPARATION DEVICE AND METHOD
(11) EP3881900	(87) US2019024829	(73) Baker Hughes Oilfield Operations, LLC
(21) EP21172905.8	03.10.2019	(72) XUE, Junli
(47) 25.01.2023	(22) 29.03.2019	HU, Lishun
(22) 24.01.2018	(54) CONTROLLING THE SPLIT OF LIQUID REFLUX IN A DIVIDING WALL COLUMN	ZHANG, Jie
(54) ACTIVE AGENT-CONTAINING ARTICLES THAT EXHIBIT CONSUMER ACCEPTABLE ARTICLE IN-USE PROPERTIES	(73) UOP LLC	LV, Jing
(73) The Procter & Gamble Company	(72) SCHULZ, Russell C.	YANG, Yong
(72) DENOME, Frank William	WILLIAMS, Chad A.	YU, Liang
GLASSMEYER, Stephen Robert	HARRIS, James W.	(31) 201710086184
GORDON, Gregory Charles	PATEL, Nikunj Manubhai	(32) 17.02.2017
MONTENEGRO-ALVARADO, José Manuel	(31) 201916368310	(33) China
SIVIK, Mark Robert	201862650170 P	(51) B01D 46/00
Weisman, Paul Thomas	(32) 28.03.2019	B01D 46/52
(31) 201762451089 P	29.03.2018	(11) EP3664915
(32) 27.01.2017	(33) United States of America	(21) EP18759800.8
(33) United States of America	United States of America	(47) 25.01.2023
(51) A61Q 13/00	(51) B01D 19/00	(87) US2018045819
A61K 8/85	B04C 3/00	14.02.2019
A61K 8/9755	B04C 9/00	(22) 08.08.2018
A61K 8/9789	B04C 3/06	(54) AIR FILTER CARTRIDGE AND AIR CLEANER ASSEMBLY
A61K 8/9794	(11) EP3524358	(73) Donaldson Company, Inc.
C11B 9/00	(21) EP19164370.9	(72) LAGE, Thomas D.
(11) EP2745878	(47) 25.01.2023	JIANG, Gaozhi
(21) EP12198009.8	(22) 03.04.2014	PROOST, Gert
(47) 25.01.2023	(54) VORTEX SEPARATOR AND SEPARATION METHOD	CRAESSAERTS, Johnny
(22) 19.12.2012	(73) Hamilton Sundstrand Space Systems International, Inc.	VERSTRAETE, Mathijs
(54) Cosmetic compositions	(72) STAPLETON, Thomas J.	CATOOR, Bart
(73) Symrise AG	(31) 201313858561	GIESEKE, Steven
(72) Bellon, Patrice	(32) 08.04.2013	(31) 201762543090 P
Carrasco, Celine	(33) United States of America	(32) 09.08.2017
Blanchet, Clemence	(51) B01D 19/00	(33) United States of America
(51) A62B 35/00	E21B 21/06	(51) B01D 53/94
B60P 7/08	E21B 43/34	F01N 3/20
(11) EP3366355	(11) EP4034277	F01N 9/00
(21) EP18158231.3	(21) EP19801065.4	F01N 11/00
(47) 25.01.2023	(47) 25.01.2023	F01N 13/00
(22) 22.02.2018	(87) GB2019000142	G01N 27/416
(54) SECURING DEVICE	01.04.2021	(11) EP3477068
(73) Mittelmann Sicherheitstechnik GmbH & Co. KG	(22) 26.09.2019	(21) EP17815470.4
(72) Rogge, Guido	(54) MUD GAS SEPARATOR DESIGN WHICH PREVENTS GAS FROM BEING DISCHARGED INTO SHAKER AND MUD PIT ROOMS	(47) 25.01.2023
(31) 202017100983 U	(73) French, Frank Ramsay	(87) JP2017022947
(32) 22.02.2017	(72) French, Frank Ramsay	28.12.2017
(33) Germany	(51) B01D 39/16	(22) 22.06.2017
(51) A62C 37/11	B01D 39/18	(54) EXHAUST GAS PURIFICATION SYSTEM AND EXHAUST GAS PURIFICATION METHOD
A62C 31/02	(11) EP3815765	(73) NGK Insulators, Ltd.
A62C 35/68	(21) EP19206873.2	(72) NAKAGAKI, Kunihiro
A62C 99/00	(47) 25.01.2023	(31) 2016124422
B05B 1/26	(22) 04.11.2019	(32) 23.06.2016
(11) EP3386598	(54) AIR CONDITIONING FOR A MOTOR VEHICLE	(33) Japan
(21) EP15808171.1	(73) Korpan, Nikolai N.	(51) B01D 67/00
(47) 25.01.2023	Palant, Volodymyr G.	C08F 257/02
(87) EP2015079255	(72) Korpan, Nikolai N.	C09D 4/06
15.06.2017	Palant, Volodymyr G.	H01M 8/1023
(22) 10.12.2015	(51) B01D 45/16	H01M 8/1067
(54) WATER MIST NOZZLE FOR A FIRE SUPPRESSION SYSTEM	B01D 53/00	H01M 8/1072
(73) Marioff Corporation OY	B01D 53/24	H01M 8/1081
(72) HUOTARI, Arto	(11) EP3363520	B01D 71/76
(51) B01D 3/14	(21) EP18155162.3	C08J 5/22
C07C 45/82	(47) 25.01.2023	C08F 8/30
C07C 39/04		C08F 8/32
(11) EP3773963		B01J 41/14
		B01J 47/12
		(11) EP3894452

(21) EP19832203.4	B01F 25/312	18.04.2013
(47) 25.01.2023	B01F 35/71	(22) 10.10.2012
(87) IB2019060493	(11) EP3655146	(54) A CATALYST AND CATALYST CARRIER
18.06.2020	(21) EP18750054.1	(73) Saint-Gobain Ceramics & Plastics, Inc.
(22) 05.12.2019	(47) 25.01.2023	(72) RICHARD, Michael, A.
(54) COPOLYMERS WITH CATIONIC, NITROGEN-CONTAINING GROUPS AND ANION EXCHANGE MEMBRANES MADE THEREFROM	(87) US2018042879	LOCKEMEYER, John, R.
(73) 3M Innovative Properties Company	24.01.2019	(31) 201161547089 P
(72) HARTMANN-THOMPSON, Claire	(22) 19.07.2018	(32) 14.10.2011
PELLERITE, Mark J.	(54) DILUTION DEVICE FOR DISPENSING FLUID	(33) United States of America
THOMAS, John C.	(73) SONNY'S HFI HOLDINGS, LLC	(51) B01J 23/22
KAPLUN, Marina M.	(72) FLOOD, Bryan	B01J 23/48
(31) 201962861079 P	(31) 201762534830 P	B01D 53/94
201862777813 P	(32) 20.07.2017	B01J 29/04
(32) 13.06.2019	(33) United States of America	B01J 29/064
11.12.2018	(51) B01F 33/84	B01J 35/04
(33) United States of America	B01F 29/10	B01J 35/10
United States of America	A45D 44/02	B01J 37/00
(51) B01D 69/12	A45D 34/00	(11) EP3411142
B01D 71/32	G06Q 50/10	(21) EP17704065.6
B01D 67/00	G06K 19/07	(47) 25.01.2023
B01D 69/02	(11) EP3868463	(87) GB2017050274
B01D 71/36	(21) EP21151927.7	10.08.2017
B01D 71/82	(47) 25.01.2023	(22) 03.02.2017
C08J 7/00	(22) 30.11.2016	(54) CATALYST FOR OXIDISING AMMONIA AND PROCESS FOR MAKING IT
(11) EP3744420	(54) APPARATUS AND METHOD FOR DISPENSING AND MIXING BLENDED COMPOSITION FOR SKIN TREATMENT	(73) Johnson Matthey Public Limited Company
(21) EP19833070.6	(73) L'OREAL	(72) BAUER, Juergen
(47) 25.01.2023	(72) BALOOCH, Guive	LARSSON, Stig Mikael
(87) KR2019008432	VALCESCHINI, Florent	LU, Jing
16.01.2020	BHANDARI, Rishabh	(31) 201608626
(22) 09.07.2019	CHIOU, Catherine	201662290633 P
(54) MANUFACTURING METHOD FOR POROUS FLUOROPOLYMER COMPOSITE MEMBRANE	LORENTE Gonzalez, Sonia	(32) 17.05.2016
(73) LG CHEM, LTD.	MOOLSINTONG, Pinida Jan	03.02.2016
(72) KIM, Sin Woo	RINALDIS, David John	(33) United Kingdom
PARK, Seijung	TANG, Jonathan Scott	United States of America
AHN, Byeong In	TIMBERLAKE, Brent Edward	(51) B01L 3/00
KO, Hyun Seong	YOUSEFI, Andre	G01N 21/03
(31) 20180081250	(31) 201514956093	C09J 183/04
(32) 12.07.2018	(32) 01.12.2015	(11) EP3504003
(33) Korea (Republic)	(33) United States of America	(21) EP17765501.6
(51) B01F 23/235	(51) B01J 8/24	(47) 25.01.2023
B01F 25/421	C10G 11/18	(87) US2017047938
B01F 25/433	(11) EP3749445	01.03.2018
B01F 33/501	(21) EP19702100.9	(22) 22.08.2017
B05B 7/04	(47) 25.01.2023	(54) SILICONE BASED PRESSURE SENSITIVE ADHESIVE TAPES
B65D 83/42	(87) EP2019052595	(73) Avery Dennison Corporation
(11) EP3589391	15.08.2019	(72) HU, Xianbo
(21) EP18707959.5	(22) 04.02.2019	(31) 201662379824 P
(47) 25.01.2023	(54) FEEDSTOCK INJECTION DEVICE OF AN FCC UNIT	(32) 26.08.2016
(87) GB2018050465	(73) TotalEnergies OneTech	(33) United States of America
07.09.2018	(72) LESAGE, Romain	(51) B03D 1/002
(22) 22.02.2018	DECKER, Sébastien	(11) EP3129515
(54) APPARATUS AND METHOD FOR GENERATING A MICROFOAM	RABOIN, Jean-Christophe	(21) EP15777482.9
(73) Triple Line Technology Limited	KERNEUR, Youen	(47) 25.01.2023
(72) NICMANIS, Mark	(31) 1851068	(87) US2015025067
GOTHARD, Michelle	(32) 08.02.2018	15.10.2015
(31) 201709667	(33) France	(22) 09.04.2015
201703299	(51) B01J 21/04	(54) DEPRESSION OF COPPER AND IRON SULFIDES IN MOLYBDENITE FLOTATION CIRCUITS
(32) 16.06.2017	B01J 21/08	(73) Tessenderlo Kerley, Inc.
01.03.2017	B01J 23/36	(72) DIMITRIADIS, Alexandros
(33) United Kingdom	C07D 301/00	COOK, Theodore E.
United Kingdom	(11) EP2766115	(31) 201461978720 P
(51) B01F 23/40	(21) EP12840136.1	(32) 11.04.2014
	(47) 25.01.2023	(33) United States of America
	(87) US2012059422	

(51) B04B 7/08	(33) China	European Patent Office (EPO)
B04B 1/08	(51) B05B 9/01	(51) B05D 3/00
(11) EP3917677	F16L 27/12	B05D 3/06
(21) EP19821087.4	B05B 15/65	C09D 11/037
(47) 25.01.2023	B05B 15/62	C09D 11/101
(87) EP2019086053	(11) EP3283232	B42D 25/369
06.08.2020	(21) EP15716775.0	B41F 19/00
(22) 18.12.2019	(47) 25.01.2023	B42D 25/41
(54) CENTRIFUGAL SEPARATOR	(87) EP2015058048	G03G 19/00
(73) Alfa Laval Corporate AB	20.10.2016	(11) EP3740326
(72) PITKÄMÄKI, Jouko	(22) 14.04.2015	(21) EP18815246.6
SVENSSON, Stefan	(54) TELESCOPIC TUBE	(47) 25.01.2023
(31) 19153987	(73) Husqvarna AB	(87) EP2018085031
(32) 28.01.2019	(72) RENNER, Thomas	25.07.2019
(33) European Patent Office (EPO)	(51) B05B 11/00	(22) 14.12.2018
(51) B05B 1/14	(11) EP3656695	(54) PROCESSES FOR PRODUCING
B05B 1/18	(21) EP19848921.3	OPTICAL EFFECTS LAYERS
B65D 83/28	(47) 25.01.2023	(73) SICPA HOLDING SA
B05B 11/00	(87) CN2019102546	(72) SCHMID, Mathieu
(11) EP3717135	05.03.2020	LOGINOV, Evgeny
(21) EP18833266.2	(22) 26.08.2019	DESPLAND, Claude-Alain
(47) 25.01.2023	(54) LOTION PUMP	(31) 18152082
(87) FR2018053073	(73) Majesty Packaging Systems Limited	18152081
06.06.2019	(72) LIANG, Jinkao	(32) 17.01.2018
(22) 30.11.2018	(31) 201821392783 U	17.01.2018
(54) HEAD FOR DISPENSING FLUID	(32) 27.08.2018	(33) European Patent Office (EPO)
PRODUCT AND CORRESPONDING	(33) China	European Patent Office (EPO)
METHOD	(51) B05B 11/00	(51) B08B 3/02
(73) Aptar France SAS	A47K 5/12	B29C 33/72
(72) BERANGER, Stéphane	A47K 5/14	(11) EP3509767
(31) 1852083	(11) EP3600687	(21) EP17761503.6
PCT/FR2017/053344	(21) EP17714423.5	(47) 25.01.2023
(32) 09.03.2018	(47) 25.01.2023	(87) EP2017072141
01.12.2017	(87) EP2017057411	15.03.2018
(33) France	04.10.2018	(22) 05.09.2017
World Intellectual Property Office (WIPO)	(22) 29.03.2017	(54) DEVICE AND METHOD FOR
(51) B05B 5/043	(54) PLASTOMER SPRING WITH CAPTIVE	CLEANING THE SURFACE OF A TOOL
B05B 5/053	VALVE	(73) Hammelmann GmbH
(11) EP3737506	(73) Essity Hygiene and Health Aktiebolag	Purima GmbH & Co. KG
(21) EP19702324.5	(72) LINDSTRÖM, Håkan	(72) PAPE, Ralf
(47) 25.01.2023	BERGMAN, Peter	LÜCKEMEIER, Stephan
(87) US2019013145	NILSSON, Hugo	(31) 102016116797
18.07.2019	(51) B05D 3/00	(32) 08.09.2016
(22) 11.01.2019	B05D 3/06	(33) Germany
(54) SPRAY NOZZLE ASSEMBLY AND	C09D 11/037	(51) B09B 3/00
SPRAY PLUME SHAPING METHOD	C09D 11/101	C04B 28/34
(73) Spraying Systems Co.	B42D 25/369	G21F 9/16
(72) VESELY, Paul W.	B41F 19/00	(11) EP3873683
SCHICK, Rudolf J.	B42D 25/41	(21) EP19839375.3
(31) 201862616862 P	G03G 19/00	(47) 25.01.2023
(32) 12.01.2018	(11) EP3740325	(87) FR2019053005
(33) United States of America	(21) EP18815245.8	25.06.2020
(51) B05B 5/16	(47) 25.01.2023	(22) 10.12.2019
B05B 3/10	(87) EP2018085030	(54) METHOD FOR CONDITIONING AN
B05B 5/04	25.07.2019	ACID WASTE BY CEMENTATION
B05B 5/043	(22) 14.12.2018	(73) Orano Demantelement
B05B 5/10	(54) PROCESSES FOR PRODUCING	Universite Gustave Eiffel
B05B 15/63	OPTICAL EFFECTS LAYERS	(72) STEFAN, Lavinia
B05B 5/053	(73) SICPA HOLDING SA	CHAUSSADENT, Thierry
(11) EP3970861	(72) SCHMID, Mathieu	LE ROUZIC, Mathieu
(21) EP20205182.7	LOGINOV, Evgeny	(31) 1873254
(47) 25.01.2023	DESPLAND, Claude-Alain	(32) 18.12.2018
(22) 02.11.2020	(31) 18152081	(33) France
(54) SPRAYER	18152082	(51) B21B 1/26
(73) Intradin (Shanghai) Machinery Co., Ltd.	(32) 17.01.2018	B21B 1/22
(72) QIAO, Xuetao	17.01.2018	(11) EP3677352
(31) 202010988367	(33) European Patent Office (EPO)	(21) EP18850306.4
(32) 18.09.2020		(47) 25.01.2023

(87) CN2018102932 07.03.2019	(72) NOBREGA, Carlos G. W. PARK, Jaesuk	B22F 1/062 B22F 1/068
(22) 29.08.2018	GUEDES, Matheus	B22F 10/10
(54) METAL SHEET HAVING LOW FRICTION COEFFICIENT AND LOW WAVINESS	SHORES, Jay Michael LEHMAN, Robert	B33Y 70/10
(73) Baoshan Iron & Steel Co., Ltd.	(31) 201862774951 P	(11) EP3437842
(72) CHEN, Xiaoming	(32) 04.12.2018	(21) EP17775936.2
LI, Shanqing	(33) United States of America	(47) 25.01.2023
QUAN, Jizhe	(51) B21D 28/10	(87) KR2017003615
(31) 201710758710	B21D 45/06	05.10.2017
(32) 29.08.2017	B21D 28/02	(22) 03.04.2017
(33) China	H02K 15/02	(54) 3D PRINTING METHOD
(51) B21B 37/46	(11) EP3235577	(73) LG Chem, Ltd.
(11) EP3858503	(21) EP15869563.5	(72) YOO, Dong Woo
(21) EP20154128.1	(47) 25.01.2023	LEE, Jin Kyu
(47) 25.01.2023	(87) JP2015006297	(31) 20170040973
(22) 28.01.2020	23.06.2016	20160040360
(54) ROLLING MILL WITH MATERIAL PROPERTY DEPENDENT ROLLING	(22) 17.12.2015	(32) 30.03.2017
(73) Primetals Technologies Germany GmbH	(54) PROGRESSIVE DIE DEVICE AND METHOD FOR MANUFACTURING	01.04.2016
(72) Hofbauer, Josef	LAMINATED IRON CORE USING SAME	(33) Korea (Republic)
Matschullat, Thomas	(73) Kuroda Precision Industries Ltd.	Korea (Republic)
(51) B21B 37/74	(72) HORII, Hideo	(51) B22F 3/00
B21B 37/76	SHINDO, Kenichi	B22F 3/10
B21B 45/02	SAKANISHI, Shinichi	B22F 10/18
(11) EP3826780	(31) PCT/JP2014/006336	B22F 10/47
(21) EP19740415.5	(32) 18.12.2014	B22F 10/62
(47) 25.01.2023	(33) World Intellectual Property Office (WIPO)	B22F 12/30
(87) EP2019069763	(51) B22C 9/04	B22F 12/86
30.01.2020	B22C 9/10	B28B 1/00
(22) 23.07.2019	B22C 21/14	B33Y 10/00
(54) COOLING SECTION WITH ADJUSTMENT OF THE COOLING AGENT FLOW BY MEANS OF PUMPS	B22C 7/02	B33Y 30/00
(73) Primetals Technologies Germany GmbH	(11) EP3808473	B33Y 40/20
(72) WEINZIERL, Klaus	(21) EP20200910.6	F27D 3/00
(31) 18185526	(47) 25.01.2023	(11) EP4023364
(32) 25.07.2018	(22) 08.10.2020	(21) EP21213790.5
(33) European Patent Office (EPO)	(54) CASTING CORE ASSEMBLY COMPRISING A BUMPER SURROUNDING A METAL PIN AND ASSOCIATED METHOD OF MANUFACTURE.	(47) 25.01.2023
(51) B21B 45/02	(73) Raytheon Technologies Corporation	(22) 10.12.2021
(11) EP3560616	(72) VERNER, Carl R.	(54) DEVICE AND METHOD FOR PRODUCING METALLIC AND/OR CERAMIC PARTS
(21) EP18760481.4	KRAUSE, David A	(73) Xerion Berlin Laboratories GmbH
(47) 25.01.2023	(31) 201916654902	(72) Lohse, Uwe
(87) JP2018007743	(32) 16.10.2019	(31) 102021100057
07.09.2018	(33) United States of America	(32) 05.01.2021
(22) 01.03.2018	(51) B22D 17/20	(33) Germany
(54) METHOD FOR COOLING STEEL SHEET AND METHOD FOR MANUFACTURING STEEL SHEET	F16N 7/38	(51) B22F 3/115
(73) JFE Steel Corporation	(11) EP2745956	B33Y 99/00
(72) UEOKA, Satoshi	(21) EP13005908.2	B33Y 70/00
TAMURA, Yuuta	(47) 25.01.2023	B33Y 40/00
HARADA, Naoki	(22) 18.12.2013	B33Y 10/00
(31) 2017038973	(54) Die-casting device, lubrication supply system and lubrication method	B33Y 30/00
(32) 02.03.2017	(73) Wieland-Werke AG	B22F 3/105
(33) Japan	(72) Wiedmann, Andreas	B05B 17/04
(51) B21D 22/30	Rehm, Hansjörg	B05B 5/16
B21D 51/26	Freudigmann, Alfons	B05B 5/043
B21D 22/28	(31) 102012025447	B22F 10/22
(11) EP3890902	(32) 21.12.2012	B22F 10/38
(21) EP19827989.5	(33) Germany	B22F 12/10
(47) 25.01.2023	(51) B22F 1/05	B22F 12/20
(87) US2019063936	B22F 1/10	B22F 12/00
11.06.2020	B22F 1/102	B22F 12/53
(22) 02.12.2019	B33Y 10/00	B22F 12/70
(54) REDRAW AND IRONING SYSTEM	B33Y 40/00	B22F 12/90
(73) Novelis, Inc.	B22F 3/105	B33Y 50/02
		B41J 2/14
		B41J 2/04
		(11) EP3423277
		(21) EP17760953.4
		(47) 25.01.2023

(87) US2017020800 08.09.2017	B29C 64/153 B29C 64/393	RIKISO, Yuki KIDO, Yasuki
(22) 03.03.2017	B33Y 10/00	KOBAYASHI, Fumiyoshi
(54) MAGNETOHYDRODYNAMIC DEPOSITION OF METAL IN MANUFACTURING	B33Y 50/02 B22F 12/45 B22F 12/47 B22F 12/90	(31) 2019027258 (32) 19.02.2019 (33) Japan
(73) Desktop Metal, Inc.	(11) EP3710187	(51) B23H 1/02
(72) SACHS, Emanuel Michael GIBSON, Michael Andrew HOISINGTON, Paul A. FONTANA, Richard Remo GIBSON, Mark Gardner	(21) EP18877116.6 (47) 25.01.2023 (87) US2018055859 16.05.2019	(11) EP3566805 (21) EP19171308.0 (47) 25.01.2023 (22) 30.03.2015
(31) 201662303341 P	(22) 15.10.2018	(54) MACHINING POWER SUPPLY DEVICE FOR ELECTRIC DISCHARGE MACHINE
(32) 03.03.2016	(54) METHODS AND SYSTEMS FOR REPAIRING POWDER CONTAINMENT STRUCTURES	(73) FANUC CORPORATION
(33) United States of America	(73) General Electric Company	(72) NAKASHIMA, Yasuo KAWAHARA, Akiyoshi
(51) B22F 3/24 C22C 1/04 B22F 3/26 C22C 25/00 C22F 1/16 B22F 10/10 B22F 10/20 B22F 1/17	(72) DEATON JR., John Broddus ADCOCK, Thomas Charles MONAGHAN, William MADELONE JR., John Joseph GRAHAM, Michael Evans	(31) 2014094293 (32) 30.04.2014 (33) Japan
(11) EP3229993	(31) 201715810908	(51) B23H 1/02 B23H 9/10
(21) EP15816636.3	(32) 13.11.2017	(11) EP3144089
(47) 25.01.2023	(33) United States of America	(21) EP16183855.2
(87) US2015065069 16.06.2016	(51) B22F 10/00 B22F 12/00 B29C 64/182 B33Y 10/00 B29C 64/20 B29C 64/165 B33Y 30/00 B22F 10/28 B22F 12/84 B29C 64/245 B29C 64/25	(47) 25.01.2023 (22) 11.08.2016 (54) ELECTRICAL DISCHARGE MACHINING SYSTEM HAVING INDEPENDENT ELECTRODES
(22) 10.12.2015	(73) General Electric Company	(72) LUO, Yuefeng MCDOWELL, Shamgar Elijah
(54) ADDITIVE MANUFACTURING OF ARTICLES COMPRISING BERYLLIUM	(31) 201514854476 (32) 15.09.2015 (33) United States of America	(51) B23K 9/00 B23K 9/007 B23K 9/02 B23K 9/028 B23K 9/16 B23K 11/00 B23K 11/093 B23K 11/11 B23K 26/211 B23K 26/22 B23K 26/244 B23K 26/282 B23K 35/00 B23K 35/02 B23K 101/00 B23K 101/06 B23K 103/04 B23K 103/10
(73) Materion Corporation	(11) EP3351384	(11) EP3569341
(72) YURKO, James Andrew	(21) EP18158824.5	(21) EP19167556.0
(31) 201462091060 P	(47) 25.01.2023	(47) 25.01.2023
(32) 12.12.2014	(22) 26.08.2015	(22) 05.04.2019
(33) United States of America	(54) 3D PRINTER, 3D PRINTER ASSEMBLY AND GENERATIVE PRODUCTION METHOD	(54) JOINING WORKPIECES WITH A THERMALLY EXPANDABLE MATERIAL
(51) B22F 5/04 B22F 7/08 B22F 10/28 B33Y 10/00 B33Y 80/00 F01D 5/14 F01D 5/20	(73) ExOne GmbH	(73) MAN Truck & Bus SE
(11) EP3433040	(72) HÖCHSMANN, Rainer MÜLLER, Alexander KLAUA, Sven	(72) TROITZSCH, Michel KEIL, Daniel HARMS, Alexander
(21) EP17740814.3	(31) 102014112447	(31) 102018108080
(47) 25.01.2023	(32) 29.08.2014	(32) 05.04.2018
(87) US2017026484 02.11.2017	(33) Germany	(33) Germany
(22) 07.04.2017	(51) B23B 27/14 B23C 5/16 B23B 51/00 C23C 16/40 C23C 30/00 C23C 28/04 C23C 16/02 C23C 16/455	(51) B23K 9/10 (11) EP3782758
(54) GAS TURBINE BLADE WITH CORRUGATED TIP WALL AND MANUFACTURING METHOD THEREOF	(11) EP3851230	
(73) Siemens Energy, Inc.	(21) EP19915812.2	
(72) CAMPBELL, Christian Xavier KULKARNI, Anand A. ESHAK, Daniel M. JAMES, Allister William BEHLING, Phillip KAMEL, Ahmed	(47) 25.01.2023 (87) JP2019048724 27.08.2020	
(31) 201615139379	(22) 12.12.2019	
(32) 27.04.2016	(54) CUTTING TOOL	
(33) United States of America	(73) Sumitomo Electric Hardmetal Corp.	
(51) B22F 7/06 B22F 10/28 B22F 10/364 B22F 10/38 B23P 6/00 B23P 6/04	(72) OKUNO, Susumu IMAMURA, Shinya	

(21) EP20189516.6	(51) B23K 35/36	(31) 102017121427
(47) 25.01.2023	B23K 35/362	102017117756
(22) 05.08.2020	B23K 101/42	(32) 15.09.2017
(54) METHOD AND APPARATUS FOR PROVIDING WELDING TYPE POWER USING DOUBLE FORWARD CONVERTER	(11) EP3530397	04.08.2017
(73) Illinois Tool Works INC.	(21) EP19159287.2	(33) Germany
(72) VOGEL, Bernard J.	(47) 25.01.2023	Germany
(31) 201916535260	(22) 26.02.2019	(51) B24B 37/11
(32) 08.08.2019	(54) FLUX AND SOLDER PASTE	B24B 37/24
(33) United States of America	(73) Tamura Corporation	B24B 37/22
(51) B23K 11/00	(72) SATO, Takehito	B24B 29/00
B23K 11/02	KURATA, Hirotake	B24B 37/00
B23K 11/30	OOTOSHI, Hiroshi	B24D 11/00
B23K 101/32	(31) 2018032525	B24B 37/26
B23K 103/04	(32) 26.02.2018	(11) EP3187306
(11) EP3787830	(33) Japan	(21) EP15835235.1
(21) EP19719322.0	(51) B23P 15/00	(47) 25.01.2023
(47) 25.01.2023	F16B 37/08	(87) JP2015003853
(87) EP2019060767	B23G 7/02	03.03.2016
07.11.2019	B23G 5/06	(22) 30.07.2015
(22) 26.04.2019	B23G 5/20	(54) POLISHING METHOD FOR MEMBER OF AN AUTOMOBILE HAVING CURVED SURFACE SHAPE
(54) WELDING APPARATUS FOR BUTT WELDING STEEL CORD USING ELECTRODES WITH ONE OR MORE ELONGATED FLAT AREAS AND METHOD OF WELDING STEEL CORD ENDS TO ONE ANOTHER USING SUCH APPARATUS	B23G 5/04	(73) Fujimi Incorporated
(73) NV Bekaert SA	(11) EP2861373	(72) NIWANO, Yutaka
(72) CUYPERS, Martin	(21) EP13729012.8	MORINAGA, Hitoshi
(31) 18170758	(47) 25.01.2023	OHASHI, Keigo
(32) 04.05.2018	(87) EP2013061906	TAMAI, Kazusei
(33) European Patent Office (EPO)	19.12.2013	(31) 2014172977
(51) B23K 11/11	(22) 10.06.2013	(32) 27.08.2014
B23K 11/25	(54) METHOD AND TOOL FOR PRODUCING A THREAD IN A WORKPIECE	(33) Japan
B23K 31/00	(73) EMUGE-Werk Richard Glimpel GmbH & Co.KG Fabrik für Präzisionswerkzeuge	(51) B24C 5/04
B23K 31/12	Audi AG	B24C 1/10
G05B 19/418	(72) KOPTON, Peter	B05B 1/08
G06K 9/62	HECHTLE, Dietmar	B24C 5/00
G06N 3/08	GLIMPEL, Helmut	(11) EP3700711
G06N 5/02	(31) 102012105183	(21) EP18795363.3
(11) EP3915712	(32) 14.06.2012	(47) 25.01.2023
(21) EP21155363.1	(33) Germany	(87) EP2018078843
(47) 25.01.2023	(51) B23Q 1/00	02.05.2019
(22) 05.02.2021	(11) EP3527324	(22) 22.10.2018
(54) METHOD OF OPTIMIZING WELDING PARAMETERS FOR WELDING CONTROL, METHOD OF PROVIDING A TRAINED ALGORITHM FOR MACHINE LEARNING, WELDING CONTROL, COMPUTER PROGRAM AND COMPUTER-READABLE DATA MEDIUM	(21) EP19169330.8	(54) DEVICE AND METHOD FOR TREATING A COMPONENT
(73) Robert Bosch GmbH	(47) 25.01.2023	(73) Robert Bosch GmbH
(72) Dieterle, Martin	(22) 19.06.2018	(72) KAPP, Ruben
Shakirov, Damir	(54) NEUTRAL POINT TENSIONING MODULE WITH A COVERING ELEMENT	FRANK, Karsten
Haeufgloeckner, Juergen	(73) Schunk GmbH & Co. KG Spann- und Greiftechnik	SCHEHRER, Dominic
Bleier, Fabian	(72) Wäscher, Tobias	(31) 102017219248
Pychynski, Tim	Schröder, Philipp	(32) 26.10.2017
Steimer, Andreas	Buth, Alexander	(33) Germany
Slavnic, Sinisa	(31) 102017114150	(51) B24C 7/00
Zhou, Baifan	(32) 26.06.2017	B24C 1/04
Mconnell, Sean	(33) Germany	(11) EP3658332
(31) 102020204522	(51) B23Q 17/24	(21) EP18779908.5
(32) 08.04.2020	B23Q 17/09	(47) 25.01.2023
(33) Germany	(11) EP3437796	(87) US2018050510
	(21) EP18187181.5	28.03.2019
	(47) 25.01.2023	(22) 11.09.2018
	(22) 03.08.2018	(54) AIR FLOW MANAGEMENT SYSTEMS AND METHODS TO FACILITATE THE DELIVERY OF ABRASIVES TO AN ABRASIVE FLUID JET CUTTING HEAD
	(54) METHOD OF MEASURING SUPPORT PADS AND/OR TOOLS COMPRISING AT LEAST ONE CUTTER BAR	(73) Shape Technologies Group, Inc.
	(73) E. Zoller GmbH & Co. KG Einstell- und Messgeräte	(72) NAMBIATH, Pradeep
	(72) Pfau, Christian	HASHISH, Mohamed
	Zoller, Alexander	CRAIGEN, Steven
		CHILLMAN, Alex
		(31) 201715711935
		(32) 21.09.2017

(33) United States of America	HAWKINS, Ann M.	(32) 16.08.2018
(51) B24D 3/28	KOENIG, Amelia W.	(33) United States of America
B24D 11/00	ADEFRI, Negus B.	(51) B26B 21/52
C08L 63/00	(31) 201862780994 P	B26B 21/22
C09J 133/06	(32) 18.12.2018	B26B 21/40
(11) EP3551387	(33) United States of America	(11) EP3659762
(21) EP17822026.5	(51) B25B 27/06	(21) EP20152531.8
(47) 25.01.2023	B25B 31/00	(47) 25.01.2023
(87) IB2017057691	B25B 27/02	(22) 05.12.2014
14.06.2018	(11) EP3744481	(54) A SHAVER'S HANDLE WITH A LOCK
(22) 06.12.2017	(21) EP20000188.1	AND RELEASE MECHANISM FOR
(54) FLEXIBLE ABRASIVE ARTICLE	(47) 25.01.2023	ENGAGING AND DISENGAGING A
(73) 3M Innovative Properties Company	(22) 15.05.2020	RAZOR CARTRIDGE
(72) SHAFER, Kathleen S.	(54) DEVICE FOR INTRODUCING DOWELS	(73) BIC Violex Single Member S.A.
JANGU, Chainika	INTO WORKPIECES	(72) GRATSIAS, Spiros
OWEN, Ian R.	(73) Gerhard Koch Maschinenfabrik GmbH &	PSIMADAS, Ioannis -Marios
ANDERSON, Cyrus A.	Co. KG	BOZIKIS, Ioannis
MAHLER, Thomas A.	(72) Koch, Rüdiger	MOUSTAKAS, Panagiotis
(31) 201662431200 P	(31) 102019003589	EFTHIMIADIS, Dimitrios
(32) 07.12.2016	(32) 22.05.2019	CHRISTOFIDELLIS, Efstratios
(33) United States of America	(33) Germany	(51) B26B 21/52
(51) B24D 5/02	(51) B25J 9/00	B26B 21/22
C09K 3/14	G05B 19/418	B26B 21/44
B24D 3/14	G05D 1/02	(11) EP3831556
B24D 3/20	(11) EP3636390	(21) EP21152168.7
B24D 18/00	(21) EP18923759.7	(47) 25.01.2023
C04B 35/111	(47) 25.01.2023	(22) 21.11.2017
B28B 1/14	(87) CN2018116499	(54) RAZOR DOCKING AND PIVOT
B28B 7/24	05.03.2020	(73) Dollar Shave Club, Inc.
B28B 17/00	(22) 20.11.2018	(72) ZUCKER, Shlomo
(11) EP3904002	(54) ROBOT CLUSTER SCHEDULING	(31) 201615380760
(21) EP21174158.2	SYSTEM	201662425820 P
(47) 25.01.2023	(73) Bozhon Precision Industry Technology	(32) 15.12.2016
(22) 23.03.2017	Co., Ltd.	23.11.2016
(54) ABRASIVE ARTICLE INCLUDING	Suzhou Bozhon Robot Co., Ltd	(33) United States of America
ELONGATE SHAPED ABRASIVE	(72) SHEN, Dongyu	United States of America
PARTICLES	SU, Yanyu	(51) B26D 1/24
(73) 3M Innovative Properties Company	MAO, Jiancai	B26D 7/18
(72) ERICKSON, Dwight D.	(31) 201810989933	(11) EP3915740
(31) 201662316854 P	(32) 28.08.2018	(21) EP21175761.2
(32) 01.04.2016	(33) China	(47) 25.01.2023
(33) United States of America	(51) B25J 9/16	(22) 25.05.2021
(51) B24D 5/06	(11) EP3656513	(54) UNIT FOR CUTTING A CONTINUOUS
(11) EP3892421	(21) EP19192484.4	WEB INTO PARALLEL STRIPS
(21) EP20168509.6	(47) 25.01.2023	(73) G.D S.p.A.
(47) 25.01.2023	(22) 20.08.2019	(72) ESPOSTI, Marco
(22) 07.04.2020	(54) METHOD AND SYSTEM FOR	GAMBERINI, Giuliano
(54) GRINDING PAD, GRINDING PAD	PREDICTING A MOTION TRAJECTORY	(31) 202000012481
CARRIER BODY AND GRINDING	OF A ROBOT MOVING BETWEEN A	(32) 27.05.2020
WHEEL	GIVEN PAIR OF ROBOTIC LOCATIONS	(33) Italy
(73) VK Investment GmbH	(73) Siemens Industry Software Ltd.	(51) B26D 3/16
(72) SCHULZE, Michael	(72) BENGAD, Zohar	B23D 21/14
(51) B24D 18/00	HAZAN, Moshe	B24D 13/04
B24D 11/00	(31) 201816196156	B24D 13/06
B24D 3/28	(32) 20.11.2018	B24D 13/20
B24D 11/06	(33) United States of America	B24B 5/36
(11) EP3898094	(51) B26B 21/40	B24B 5/40
(21) EP19827824.4	A45D 27/29	B24B 27/033
(47) 25.01.2023	A47K 1/09	B24B 29/08
(87) IB2019060613	(11) EP3643462	(11) EP3016787
25.06.2020	(21) EP19197941.8	(21) EP14819636.3
(22) 10.12.2019	(47) 25.01.2023	(47) 25.01.2023
(54) ABRASIVE ARTICLE MAKER WITH	(22) 18.09.2019	(87) FI2014050557
DIFFERENTIAL TOOLING SPEED	(54) PERSONAL CARE SYSTEM	08.01.2015
(73) 3M Innovative Properties Company	(73) The Gillette Company LLC	(22) 04.07.2014
(72) ECKEL, Joseph B.	(72) JOHNSON, Robert Harold	(54) DEVICE FOR CUTTING PIPE FROM
NELSON, Thomas J.	RAMM, Christopher	INSIDE
NIENABER, Aaron K.	(31) 201862764803 P	(73) Picote Solutions Oy Ltd

(72) LOKKINEN, Mika	B29K 67/00	(21) EP19817436.9
(31) 20135740	(11) EP3538356	(47) 25.01.2023
(32) 05.07.2013	(21) EP17869117.6	(87) NL2019050795
(33) Finland	(47) 25.01.2023	11.06.2020
(51) B26D 3/26	(87) US2017060359	(22) 02.12.2019
(11) EP3725474	17.05.2018	(54) PRESS FOR IN-SITU
(21) EP20169658.0	(22) 07.11.2017	MANUFACTURING A
(47) 25.01.2023	(54) POLYETHYLENE TEREPHTHALATE	THERMOPLASTIC SANDWICH PANEL
(22) 15.04.2020	COLORING METHOD	(73) FITS Holding BV
(54) FOOD COMMUNUTION SYSTEM	(73) Aladdin Manufacturing Corporation	(72) DE GROOT, Martin Theodoor
(73) Genius GmbH	(72) CLARK, Thomas R.	(31) 2022113
(72) REPAC, Cedomir	(31) 201715804501	(32) 03.12.2018
(31) 101185	201615348591	(33) Netherlands
(32) 17.04.2019	(32) 06.11.2017	(51) B29C 45/14
(33) Luxembourg	10.11.2016	(11) EP3988272
(51) B28B 1/00	(33) United States of America	(21) EP21192700.9
B28B 13/02	United States of America	(47) 25.01.2023
B28B 17/00	(51) B29B 11/16	(22) 24.08.2021
B28C 5/06	B25J 19/00	(54) METHOD OF PRODUCING A
B28C 7/04	B29C 65/08	COMPOSITE BODY BY MEANS OF
(11) EP3263301	B29C 65/74	INJECTION MOULDING
(21) EP17178647.8	B25J 11/00	(73) Spies Kunststoffe GmbH
(47) 25.01.2023	B25J 19/02	(72) PÖHLS, Guido
(22) 25.05.2012	(11) EP3867032	(31) 102020128074
(54) DEVICE AND METHOD FOR	(21) EP19801455.7	(32) 26.10.2020
PRODUCING COMPONENTS HAVING	(47) 25.01.2023	(33) Germany
AT LEAST ONE CONTINUOUS	(87) US2019057271	(51) B29C 45/14
PROPERTY CHANGE	23.04.2020	F16J 15/10
(73) Studio Werner Sobek GmbH	(22) 21.10.2019	B29C 45/16
(72) SOBEK, Werner	(54) METHOD AND SYSTEM FOR	H01M 8/0271
(31) 102011102337	CREATING THREE-DIMENSIONAL	B29L 31/26
(32) 25.05.2011	PREFORMS FOR USE IN COMPOSITE	(11) EP3534045
(33) Germany	PARTS	(21) EP17865080.0
(51) B29B 7/18	(73) Arris Composites Inc.	(47) 25.01.2023
B29B 7/74	(72) REESE, Riley	(87) JP2017034102
(11) EP3763500	ESCOWITZ, Ethan	03.05.2018
(21) EP19784713.0	DAVIDSON, Erick	(22) 21.09.2017
(47) 25.01.2023	PERKINS, J. Scott	(54) GASKET AND METHOD FOR
(87) JP2019011127	(31) 201862747777 P	MANUFACTURING SAME
17.10.2019	(32) 19.10.2018	(73) NOK Corporation
(22) 18.03.2019	(33) United States of America	(72) SHIRAKAWA Sohei
(54) KNEADING ROTOR AND BATCH-TYPE	(51) B29C 33/12	YUI Hajime
KNEADING MACHINE	B29C 44/00	HORIMOTO Takayuki
(73) Kabushiki Kaisha Kobe Seiko Sho (Kobe	B29C 70/78	SASO Hidetoshi
Steel, Ltd.)	B29C 67/20	(31) 2016210341
(72) KONISHI, Akira	B29K 105/04	2016210340
YAMANE, Yasuaki	B29K 675/00	(32) 27.10.2016
KANEI, Naofumi	B29L 31/00	27.10.2016
(31) 2018074448	B29K 55/00	(33) Japan
(32) 09.04.2018	(11) EP3170640	Japan
(33) Japan	(21) EP15821256.3	(51) B29C 45/16
(51) B29B 7/32	(47) 25.01.2023	G02B 7/02
B29B 7/60	(87) JP2015068660	G03B 17/08
B29B 7/88	21.01.2016	(11) EP3993982
B29B 7/94	(22) 29.06.2015	(21) EP20733752.8
B29B 17/00	(54) POLYOLEFIN-BASED RESIN IN-MOLD	(47) 25.01.2023
B29B 17/02	FOAM-MOLDING DIE, METHOD FOR	(87) EP2020066763
B29B 17/04	MANUFACTURING IN-MOLD FOAM-	07.01.2021
B29C 48/36	MOLDED ARTICLE	(22) 17.06.2020
B29C 48/44	(73) Kaneka Corporation	(54) PROCESS FOR INJECTION
C08G 63/183	(72) TOBIMATSU, Yuki	MOULDING A LENS HOUSING FOR
D01D 1/06	SAMESHIMA, Masahiko	CAMERAS
D01D 1/09	(31) 2014145316	(73) Robert Bosch GmbH
D01F 1/04	(32) 15.07.2014	(72) GEISE, Stephan
D01F 1/06	(33) Japan	(31) 102019209764
D01F 6/62	(51) B29C 44/10	(32) 03.07.2019
B29B 7/72	B29C 44/34	(33) Germany
B29B 7/74	(11) EP3890938	(51) B29C 45/33

B29C 45/34	MORIN, Stéphane	(11) EP3930987
B29K 105/00	FEVRE, Sébastien	(21) EP20714792.7
B29B 11/14	(31) 1873409	(47) 25.01.2023
B29C 49/06	(32) 19.12.2018	(87) US2020020384
(11) EP3925757	(33) France	03.09.2020
(21) EP21190606.0	(51) B29C 49/42	(22) 28.02.2020
(47) 25.01.2023	B29C 49/78	(54) HIGH RESOLUTION THREE-
(22) 22.11.2017	B29C 49/06	DIMENSIONAL PRINTING SYSTEM
(54) SPLIT MOLD INSERT FOR FORMING	(11) EP3898174	(73) 3D Systems, Inc.
A RELIEF PORTION OF A MOLDED	(21) EP19845599.0	(72) KOROL, Evgeny
ARTICLE AND MOLD STACK	(47) 25.01.2023	(31) 201962811620 P
INCORPORATING SAME	(87) FR2019053115	(32) 28.02.2019
(73) Husky Injection Molding Systems Limited	25.06.2020	(33) United States of America
(72) BRADSHAW, Maxfield Paul	(22) 17.12.2019	(51) B29C 64/329
(31) 201662433883 P	(54) PRODUCTION LINE FOR PRODUCING	B33Y 40/00
(32) 14.12.2016	CONTAINERS CONTROLLED BY A	B65D 88/28
(33) United States of America	POSITION DETERMINING DEVICE	B29C 31/02
(51) B29C 45/37	(73) Sidel Participations	B65B 1/16
B29D 11/00	(72) GARIOU, David	(11) EP3642015
B29C 45/56	MOULIN, Sébastien	(21) EP17929163.8
(11) EP3354439	(31) 1873277	(47) 25.01.2023
(21) EP17153630.3	(32) 19.12.2018	(87) US2017057221
(47) 25.01.2023	(33) France	25.04.2019
(22) 27.01.2017	(51) B29C 63/32	(22) 18.10.2017
(54) METHOD FOR INJECTION MOLDING	F16L 55/165	(54) BUILD MATERIAL HOPPER FOR 3D
WELD LINE FREE MINUS POWER	F16L 55/18	PRINTING SYSTEMS AND METHOD
LENS ELEMENTS	(11) EP3290182	(73) Hewlett-Packard Development Company,
(73) Essilor International	(21) EP16786519.5	L.P.
(72) CHIU, Hao-Wen	(47) 25.01.2023	(72) LAMBRIGHT, Terry
LOISELLE, Shannon	(87) JP2016063199	SMITH, Kelly B
MCDERMOTT, Shawn	03.11.2016	(51) B29C 64/35
(51) B29C 49/42	(22) 27.04.2016	B33Y 40/20
B29C 49/06	(54) PIPE-MAKING APPARATUS AND PIPE-	(11) EP3789184
B29C 49/64	MAKING METHOD FOR SPIRAL PIPE	(21) EP20177288.6
B29C 49/78	(73) Sekisui Chemical Co., Ltd.	(47) 25.01.2023
B29K 67/00	(72) SUGAHARA, Hiroshi	(22) 29.05.2020
B29L 31/00	BABA, Tatsurou	(54) UNPACKING DEVICE FOR UNPACKING
(11) EP3898175	SUGIYAMA, Yoshirou	OBJECTS PRODUCED USING 3D
(21) EP19845607.1	YAMASAKI, Masahiro	PRINTING
(47) 25.01.2023	NAGATSUKA, Junichi	(73) Solukon Ingenieure GbR
(87) FR2019053142	(31) 2016059941	(72) Hartmann, Andreas
25.06.2020	2015091628	(31) 202019003691 U
(22) 18.12.2019	(32) 24.03.2016	202019003693 U
(54) DEVICE FOR CONVEYING PREFORMS	28.04.2015	(32) 06.09.2019
FOR AN OVEN AND METHOD FOR	(33) Japan	06.09.2019
CONTROLLING SUCH A DEVICE	Japan	(33) Germany
(73) Sidel Participations	(51) B29C 64/165	Germany
(72) FEVRE, Sébastien	B33Y 70/00	(51) B29C 64/393
(31) 1873397	B33Y 10/00	A43B 23/02
(32) 19.12.2018	B22C 1/22	B29C 70/68
(33) France	(11) EP3634726	B29C 64/106
(51) B29C 49/42	(21) EP18732647.5	(11) EP3656543
B29C 49/64	(47) 25.01.2023	(21) EP19217781.4
B29K 67/00	(87) DE2018100535	(47) 25.01.2023
B29L 31/00	13.12.2018	(22) 17.07.2013
(11) EP3898176	(22) 05.06.2018	(54) METHOD OF 3D PRINTING ON A
(21) EP19848787.8	(54) METHOD FOR PRODUCING THREE-	TEXTILE THAT IS A PORTION OF AN
(47) 25.01.2023	DIMENSIONALLY LAYERED SHAPED	ARTICLE OF APPAREL
(87) FR2019053197	BODIES	(73) NIKE Innovate C.V.
25.06.2020	(73) ASK Chemicals GmbH	(72) JONES, David P.
(22) 19.12.2019	(72) HURKES, Natascha	LARSON, Ryan R.
(54) DEVICE FOR CONVEYING PREFORMS	BARTELS, Dennis	(31) 201213553368
AND METHOD FOR CONTROLLING	MÜLLER, Jens	(32) 19.07.2012
SUCH A DEVICE IN ORDER TO	(31) 102017112681	(33) United States of America
ANGULARLY INDEX THE PREFORMS	(32) 08.06.2017	(51) B29C 67/00
IN A REFERENCE POSITION	(33) Germany	(11) EP3377305
(73) Sidel Participations	(51) B29C 64/277	(21) EP16819209.4
(72) BOURVELLEC, Loïc	B22F 3/105	(47) 25.01.2023

(87) US2016062517 26.05.2017	PREFORMS THAT ARE NEEDED IN THE PRESENCE OF A LUBRICANT	(11) EP3131742 (21) EP15715767.8 (47) 25.01.2023
(22) 17.11.2016	(73) Coriolis Group	(87) EP2015058336 22.10.2015
(54) ADDITIVE MANUFACTURING MATERIALS SYSTEM	(72) HAMLYN, Alexander JOB, Sophie	(22) 16.04.2015
(73) Zephyros Inc.	(31) 1770332	(54) METHOD OF MANUFACTURING A COMPOSITE PART
(72) GLEYAL-MARTINEZ, Sylvain QUADERER, Dean	(32) 03.04.2017	(73) Hexcel Reinforcements SAS
(31) 201662383840 P	(33) France	(72) PERRILLAT, Pascal DELALANDE, Sylvain
201562256494 P	(51) B29C 70/34	(31) 14164909
(32) 06.09.2016	B29C 70/44	(32) 16.04.2014
17.11.2015	B29D 99/00	(33) European Patent Office (EPO)
(33) United States of America	B29L 31/08	
United States of America	F03D 1/06	
(51) B29C 67/00	(11) EP3887133	
B33Y 10/00	(21) EP19809815.4	(51) B29D 30/20
G05B 19/042	(47) 25.01.2023	B29D 30/02
G06F 21/52	(87) EP2019082584	B29D 30/06
G06F 21/62	04.06.2020	B60C 9/02
B33Y 50/02	(22) 26.11.2019	(11) EP3877165
B29C 64/153	(54) ROTOR BLADE WITH BELTS COMPRISING PULTRUDED PRODUCTS	(21) EP19820828.2
B29C 64/393	(73) Siemens Gamesa Renewable Energy Service GmbH	(47) 25.01.2023
(11) EP3200981	(72) SCHIRNER, Robert	(87) FR2019052637 14.05.2020
(21) EP14903285.6	(31) 102018009332	(22) 06.11.2019
(47) 25.01.2023	(32) 28.11.2018	(54) ANTI-RELAXATION METHOD FOR MANUFACTURING A TYRE
(87) US2014058158	(33) Germany	(73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
07.04.2016	(51) B29C 70/44	(72) BROUSSEAU, Magaly HUG, Gregor LIMOZIN, Bastien RIGO, Sébastien
(22) 30.09.2014	B29C 70/54	(31) 1860335
(54) VIRTUAL BUILD BEDS	B29C 33/00	(32) 09.11.2018
(73) Hewlett-Packard Development Company, L.P.	B29C 43/20	(33) France
(72) CORTES, Sebastia ZENG, Jun VILAJOSANA, Xavier	B29C 70/34	
(51) B29C 67/20	B29C 70/38	
B29C 44/34	B29C 43/32	(51) B30B 11/00
B29C 44/56	B29C 43/36	B30B 15/00
B29C 44/44	B29L 31/30	(11) EP3505341
C08L 81/06	B29L 31/00	(21) EP18202054.5
B29K 79/00	(11) EP3877160	(47) 25.01.2023
B29K 81/00	(21) EP19839371.2	(22) 23.10.2018
(11) EP3717211	(47) 25.01.2023	(54) CONTROLLER AND CONTROL METHOD
(21) EP18803993.7	(87) FR2019053001	(73) Kikusui Seisakusho Ltd.
(47) 25.01.2023	18.06.2020	(72) KITAMURA, Naoshige FUSHIMI, Shinsuke
(87) EP2018081839	(22) 10.12.2019	(31) 2017247935
31.05.2019	(54) CURING MOLD FOR MANUFACTURING A TURBOMACHINE COMPONENT MADE OF COMPOSITE MATERIAL FROM A PREFORM AND METHOD FOR PRODUCING A COMPONENT BY MEANS OF SUCH A MOLD	(32) 25.12.2017
(22) 20.11.2018	(73) SAFRAN	(33) Japan
(54) HIGH TEMPERATURE FOAM MATERIALS WITH REDUCED RESIN ABSORPTION FOR THE PREPARATION OF SANDWICH MATERIALS	(72) OLHAGARAY, Jérôme CHAUVIN, Thierry WLASOW WLASOWSKI, Michel HOES, Kris	(51) B31B 50/00
(73) Evonik Operations GmbH	(31) 1872925	B31B 50/02
(72) TRASSL, Christian RICHTER, Thomas	(32) 14.12.2018	B31B 50/07
(31) 17203684	(33) France	B31B 105/00
(32) 27.11.2017	(51) B29C 70/46	B31B 110/20
(33) European Patent Office (EPO)	B29C 33/50	B31B 120/50
(51) B29C 70/24	B29D 99/00	(11) EP3895885
(11) EP3606734	B29C 33/76	(21) EP21168298.4
(21) EP18720312.0	B29C 70/48	(47) 25.01.2023
(47) 25.01.2023	B29C 70/44	(22) 14.04.2021
(87) FR2018000087	B29C 70/88	(54) EQUIPMENT FOR COVERING CARDBOARD BOXES WITH COLD- STICKER SHEET PORTIONS
11.10.2018	B29C 70/54	(73) Europrogetti S.r.l.
(22) 30.03.2018	B29C 43/36	(72) SALETTI, Giulio GIANNINI, Leonardo
(54) METHOD FOR PRODUCING COMPOSITE MATERIAL PARTS FROM		(31) 202000008263
		(32) 17.04.2020
		(33) Italy

(51) B31B 50/06 B65H 1/30 B65H 5/00 B65H 7/04 B25J 11/00 B25J 15/00 B25J 15/06 B25J 15/08 (11) EP3378806 (21) EP18172001.2 (47) 25.01.2023 (22) 23.06.2016 (54) DEVICE AND METHOD FOR LOADING A MAGAZINE (73) SIDEL PARTICIPATIONS (72) GAUTHERON, Anthony (31) 1556107 (32) 30.06.2015 (33) France	E04F 15/10 B32B 37/02 (11) EP2569151 (21) EP11724774.2 (47) 25.01.2023 (87) IB2011051884 17.11.2011 (22) 28.04.2011 (54) FLOOR PANEL AND METHODS FOR MANUFACTURING FLOOR PANELS (73) Flooring Industries Limited, SARL (72) MEERSSEMAN, Laurent SEGAERT, Martin THIERS, Bernard CLEMENT, Benjamin MAESEN, Christophe (31) 201000283 (32) 10.05.2010 (33) Belgium	(54) IMPROVED ADHESIVE BONDING COMPOSITION AND METHOD OF USE (73) Immunolight, LLC. (72) FATHI, Zakaryae BOURKE, Frederic Avery Jr. WALDER, Harold (31) 201461955547 P 201461955131 P (32) 19.03.2014 18.03.2014 (33) United States of America United States of America
(51) B32B 1/08 B32B 27/08 B32B 27/30 B32B 27/32 B32B 27/34 F02M 37/00 F16L 11/04 (11) EP3689591 (21) EP18862337.5 (47) 25.01.2023 (87) JP2018033772 04.04.2019 (22) 12.09.2018 (54) LAYERED TUBE (73) UBE Corporation (72) TSUBOI, Kazutoshi NAKAMURA, Koji KUSUMOTO, Takaaki DOUYAMA, Daisuke (31) 2017189986 (32) 29.09.2017 (33) Japan	(51) B32B 5/24 B32B 5/18 B32B 3/30 (11) EP3357684 (21) EP16850645.9 (47) 25.01.2023 (87) JP2016004323 06.04.2017 (22) 23.09.2016 (54) COMPOSITE MATERIAL FOR EMBOSSING, AND EMBOSSED PRODUCT (73) Seiren Co., Ltd (72) YOSHIMURA, Masaru (31) 2015193866 (32) 30.09.2015 (33) Japan	(51) B32B 27/08 B32B 27/28 B32B 27/30 B32B 27/32 B65D 77/22 B65D 51/16 F16K 15/14 (11) EP3717240 (21) EP18803704.8 (47) 25.01.2023 (87) EP2018082152 06.06.2019 (22) 22.11.2018 (54) FLEXIBLE LAMINATE WITH IMPROVED INTEGRATED PRESSURE-RELEASE VALVE (73) Amcor Flexibles Denmark ApS (72) HANSEN, Peter (31) 17203966 (32) 28.11.2017 (33) European Patent Office (EPO)
(51) B32B 5/02 B32B 5/12 B32B 5/26 B32B 1/08 B32B 7/022 F16L 11/08 E21B 17/01 (11) EP3898223 (21) EP19835520.8 (47) 25.01.2023 (87) IB2019061029 25.06.2020 (22) 18.12.2019 (54) COMPOSITE TUBULAR ELEMENT AND RELEVANT MANUFACTURING METHOD (73) ENI S.p.A. (72) CARMINATI, Stefano ZAMPATO, Massimo LOMBARDI, Mariangela PAVESE, Matteo (31) 201800020056 (32) 18.12.2018 (33) Italy	(51) B32B 7/12 B32B 15/02 B32B 15/10 B32B 15/12 B32B 15/14 B32B 15/18 B32B 15/20 B32B 21/14 (11) EP3085529 (21) EP16166155.8 (47) 25.01.2023 (22) 20.04.2016 (54) FLEXIBLE VENEER PANEL WITH METAL MESH LAYER (73) Goodrich Corporation (72) BROWN, Greer CHAPMAN, Christopher L. (31) 201514694663 (32) 23.04.2015 (33) United States of America	(51) B32B 27/30 C08G 18/48 C08G 18/75 C08G 18/10 C08G 18/24 C08G 18/28 C08G 18/38 C09J 175/04 (11) EP3924185 (21) EP20703471.1 (47) 25.01.2023 (87) EP2020053394 20.08.2020 (22) 11.02.2020 (54) NEW SYSTEMS FOR THE PRIMING AND THE ADHESION OF FLOOR COVERINGS (73) Covestro Intellectual Property GmbH & Co. KG (72) THIEBES, Christoph ALMATO GUITERAS, Maria TEJADA ROSALES, Eva (31) 19209043 19157356 (32) 14.11.2019 15.02.2019 (33) European Patent Office (EPO) European Patent Office (EPO)
(51) B32B 5/18 B44C 1/24 E04F 15/02	(11) EP3119601 (21) EP15764836.1 (47) 25.01.2023 (87) US2015021307 24.09.2015 (22) 18.03.2015	(51) B33Y 30/00 B33Y 50/00 B33Y 50/02 B33Y 10/00 B33Y 80/00 B29C 64/209 B29D 11/00

B29C 64/112	(11) EP3871887	(54) DIGITAL PRINTING MACHINE AND METHOD
B29C 64/393	(21) EP19890891.5	(73) Stolle Machinery Company, LLC
(11) EP3515694	(47) 25.01.2023	(72) VELLA, Anthony J.
(21) EP17758495.0	(87) JP2019045646	(31) 201562127910 P
(47) 25.01.2023	04.06.2020	(32) 04.03.2015
(87) EP2017071257	(22) 21.11.2019	(33) United States of America
29.03.2018	(54) LIQUID EJECTING HEAD, AND RECORDING DEVICE	(51) B41J 11/00
(22) 23.08.2017	(73) Kyocera Corporation	B41J 11/06
(54) METHOD AND PRINTING SYSTEM FOR PRINTING A THREE-DIMENSIONAL OPTICAL COMPONENT	(72) FURUZAWA, Daiki	B41J 13/00
(73) Luxexcel Holding B.V.	KAWAMATA, Shuhei	(11) EP3753739
(72) BLOMAARD, Ricardo	(31) 2018223522	(21) EP19180589.4
BISKOP, Joris	(32) 29.11.2018	(47) 25.01.2023
(31) 16189569	(33) Japan	(22) 17.06.2019
(32) 20.09.2016	(51) B41J 2/16	(54) METHOD FOR DECORATING A PACKAGING BOX
(33) European Patent Office (EPO)	B41J 2/14	(73) AGFA NV
(51) B33Y 80/00	(11) EP3733415	(72) DE ROECK, Luc
G03F 7/00	(21) EP17936326.2	(51) B41J 29/38
G03F 7/20	(47) 25.01.2023	B41J 25/34
G03F 7/027	(87) JP2017046532	B41J 2/175
G03F 7/029	04.07.2019	B41J 3/60
G03F 7/039	(22) 26.12.2017	B41J 2/165
G01R 33/563	(54) INKJET HEAD MANUFACTURING METHOD, INKJET RECORDING DEVICE MANUFACTURING METHOD, INKJET HEAD, AND INKJET RECORDING DEVICE	B41J 29/13
G01R 33/58	(73) KONICA MINOLTA, INC.	B41J 29/02
A61B 5/00	(72) SATO, Yohei	(11) EP3608117
(11) EP3899660	SHIMOMURA, Akihisa	(21) EP19190308.7
(21) EP19839091.6	HAMANO, Hikaru	(47) 25.01.2023
(47) 25.01.2023	(51) B41J 2/165	(22) 06.08.2019
(87) AT2019000035	B41J 2/175	(54) INKJET PRINTING APPARATUS
25.06.2020	B41J 2/18	(73) CANON KABUSHIKI KAISHA
(22) 20.12.2019	(11) EP3829879	(72) KURATA, Tetsuji
(54) METHOD FOR MANUFACTURING A PHANTOM FOR THE DIFFUSION TENSOR IMAGING	(21) EP19761928.1	IWANO, Takuya
(73) Technische Universität Wien	(47) 25.01.2023	AMMA, Hiromasa
(72) OVSIANIKOV, Aleksandr	(87) GB2019000105	(31) 2018151445
GRUBER, Peter	06.02.2020	(32) 10.08.2018
WINDISCHBERGER, Christian	(22) 29.07.2019	(33) Japan
NAGY, Zoltan	(54) SOLVENT SUPPLY TUBE ARRANGEMENT	(51) B41J 29/393
(31) 18000986	(73) Domino UK Limited	B41J 29/46
(32) 20.12.2018	(72) BRIDGES, Richard Thomas Calhoun	G08B 5/22
(33) European Patent Office (EPO)	WALKINGTON, Stuart Mark	G08B 21/18
(51) B41F 19/00	(31) 201812395	G08B 25/00
B41F 33/00	(32) 30.07.2018	G06F 3/12
B26F 1/00	(33) United Kingdom	(11) EP3792069
B26F 1/02	(51) B41J 2/175	(21) EP20179669.5
B26F 1/10	B41J 2/18	(47) 25.01.2023
B26F 1/38	B41J 29/393	(22) 12.06.2020
(11) EP3959078	(11) EP3733417	(54) APPLIANCE MANAGEMENT SYSTEM
(21) EP20710905.9	(21) EP19172317.0	(73) Toshiba Tec Kabushiki Kaisha
(47) 25.01.2023	(47) 25.01.2023	(72) Minakuchi, Hiroshi
(87) EP2020056486	(22) 02.05.2019	(31) 201916566525
29.10.2020	(54) INK SUPPLY AND TEST PRINTING SYSTEM	(32) 10.09.2019
(22) 11.03.2020	(73) Artech GmbH design + production in plastic	(33) United States of America
(54) SHEET PROCESSING MACHINE AND METHOD FOR INSPECTION OF A SHEET	(72) Franke, Andreas	(51) B41M 5/00
(73) Koenig & Bauer AG	Bank, Gerald	B44C 5/04
(72) DONNERT, Michael	(51) B41J 3/407	B44F 9/02
DEPPISCH, Bastian	B41J 11/00	B41J 2/165
KLÜPFEL, Elmar	(11) EP3912826	B41J 11/00
(31) 102019110853	(21) EP21184617.5	(11) EP3691904
(32) 26.04.2019	(47) 25.01.2023	(21) EP18773493.4
(33) Germany	(22) 15.10.2015	(47) 25.01.2023
(51) B41J 2/01		(87) EP2018076623
B41J 2/14		11.04.2019
B41J 2/16		(22) 01.10.2018
		(54) METHOD OF MANUFACTURING DECORATIVE SURFACES
		(73) AGFA NV
		(72) VANHOODYDONCK, Rudi

(31) 17194346	B29C 48/00	(22) 17.09.2019
(32) 02.10.2017	B29C 48/16	(54) CHASSIS COMPONENT FOR A
(33) European Patent Office (EPO)	(11) EP3898258	WHEEL SUSPENSION AND METHOD
(51) B41M 5/52	(21) EP19818159.6	FOR PRODUCING A CHASSIS
B41M 5/42	(47) 25.01.2023	COMPONENT
B41M 5/44	(87) EP2019085747	(73) ZF Friedrichshafen AG
(11) EP3800059	25.06.2020	(72) SIEVE, Manfred
(21) EP19843158.7	(22) 17.12.2019	BRONSWICK, Philipp
(47) 25.01.2023	(54) LEAD CASING FOR PENCIL, AND	PABST, Jan
(87) JP2019013731	PENCIL THEREOF FOR WRITING,	(31) 102018217641
06.02.2020	DRAWING, MARKING, PLOTTING, AND	(32) 15.10.2018
(22) 28.03.2019	COLORING	(33) Germany
(54) THERMAL TRANSFER IMAGE-	(73) Société BIC	(51) B60G 7/00
RECEIVING SHEET	(72) GOUEREC, Julien	B29C 45/14
(73) Dai Nippon Printing Co., Ltd.	(31) 18306715	(11) EP3564052
(72) SHIMOGATA, Takanori	(32) 18.12.2018	(21) EP17886488.0
(31) 2018147242	(33) European Patent Office (EPO)	(47) 25.01.2023
(32) 03.08.2018	(51) B44B 5/00	(87) KR2017015102
(33) Japan	B44B 5/02	05.07.2018
(51) B42D 25/41	B31F 1/07	(22) 20.12.2017
B42D 25/45	B41F 16/00	(54) HYBRID SUSPENSION ARM FOR
B42D 25/23	(11) EP3946966	VEHICLE
B42D 25/24	(21) EP20713169.9	(73) Iljin Co., Ltd.
B42D 25/29	(47) 25.01.2023	(72) KIM, Hyun Woo
B42D 25/351	(87) EP2020025142	LEE, Sung Keun
B42D 25/382	08.10.2020	KWON, Tae Sung
B42D 25/387	(22) 24.03.2020	LEE, Dae Ju
B42D 25/378	(54) HOT FOIL STAMPING PRESS	PARK, Min Kook
(11) EP3732055	(73) BOBST MEX SA	KWON, Soon Chan
(21) EP18819116.7	(72) GENTIL, David	(31) 20160180194
(47) 25.01.2023	(31) 19020262	(32) 27.12.2016
(87) EP2018085258	(32) 05.04.2019	(33) Korea (Republic)
04.07.2019	(33) European Patent Office (EPO)	(51) B60G 7/00
(22) 17.12.2018	(51) B60B 17/00	B60G 3/20
(54) COLOR LASER MARKING OF	(11) EP3431307	B60G 13/04
SECURITY DOCUMENT AND A	(21) EP17182629.0	B60G 99/00
METHOD FOR PRODUCING SUCH	(47) 25.01.2023	(11) EP3650249
SECURITY DOCUMENT	(22) 21.07.2017	(21) EP18842040.0
(73) Thales Dis France SAS	(54) WHEEL UNITS FOR RAIL VEHICLES	(47) 25.01.2023
(72) LESUR, Jean-Luc	(73) Bombardier Transportation GmbH	(87) JP2018029231
LARINA, Nina	(72) Dede, Jani	07.02.2019
NIKKILA, Jarmo	Pusnik, Arne	(22) 03.08.2018
(31) 17306939	Reimann, Marc Andre	(54) METHOD FOR DESIGNING A VEHICLE
(32) 27.12.2017	Thomas, Yannik	SUSPENSION DEVICE
(33) European Patent Office (EPO)	(51) B60G 3/06	(73) Mazda Motor Corporation
(51) B43K 19/14	B60G 11/18	(72) ISERI, Haruaki
B43K 19/16	B60G 11/23	SHIROSAKA, Tetsuya
B43K 19/02	B60G 11/04	(31) 2017150587
B29C 48/00	(11) EP3838634	(32) 03.08.2017
B29C 48/16	(21) EP20210327.1	(33) Japan
(11) EP3898257	(47) 25.01.2023	(51) B60H 1/00
(21) EP19818152.1	(22) 27.11.2020	B60H 1/32
(47) 25.01.2023	(54) TRAILING ARM AXLE FOR VEHICLE	B60P 3/20
(87) EP2019085722	TRAILERS	(11) EP3880500
25.06.2020	(73) Knott GmbH	(21) EP19836142.0
(22) 17.12.2019	(72) STRASSER, Josef	(47) 25.01.2023
(54) LEAD CASING FOR PENCIL, AND	SIEBERT, Christian	(87) US2019060693
PENCIL THEREOF FOR WRITING,	KNOTT, Valentin	22.05.2020
DRAWING, MARKING, PLOTTING, AND	SZABO, Sandor H.	(22) 11.11.2019
COLORING	(31) 202019107121 U	(54) ELECTRIC POWERED REAR-
(73) Société BIC	(32) 19.12.2019	MOUNTED TRANSPORTATION
(72) GOUEREC, Julien	(33) Germany	REFRIGERATION UNIT
(31) 18306714	(51) B60G 7/00	(73) Carrier Corporation
(32) 18.12.2018	(11) EP3867086	(72) SAROKA, Mary D.
(33) European Patent Office (EPO)	(21) EP19770048.7	(31) 201862768288 P
(51) B43K 19/14	(47) 25.01.2023	(32) 16.11.2018
B43K 19/16	(87) EP2019074799	(33) United States of America
B43K 19/02	23.04.2020	(51) B60H 1/03

B60H 1/32	(31) 2017055805	DEVICE AND AN ELECTRONIC
F25D 21/12	(32) 22.03.2017	CONTROL UNIT
F25D 29/00	(33) Japan	(73) AUDI AG
F25B 27/02	(51) B60K 15/04	LG Electronics Inc.
F25B 47/00	B60K 15/05	(72) LOTTES, Daniel
B60H 1/14	(11) EP3749539	WALL, Christian
B60H 1/00	(21) EP19708139.1	DIBOINE, Romain
(11) EP3541646	(47) 25.01.2023	KIM, Doh yeon
(21) EP17812286.7	(87) FR2019050217	KIM, Seonghwan
(47) 25.01.2023	15.08.2019	
(87) US2017062839	(22) 31.01.2019	(51) B60K 37/06
24.05.2018	(54) FILLER ASSEMBLY FOR FUEL OR	B62D 1/04
(22) 21.11.2017	PURIFYING AGENT OF A MOTOR	(11) EP3736163
(54) HVAC/R SYSTEM FOR A VEHICLE	VEHICLE	(21) EP19173590.1
CARGO COMPARTMENT AND	(73) PSA Automobiles SA	(47) 25.01.2023
METHOD OF OPERATING AN HVAC/	(72) ERBA, Cedric	(22) 09.05.2019
R SYSTEM FOR A VEHICLE CARGO	(31) 1851012	(54) A CONTEXTUAL BASED USER
COMPARTMENT	(32) 07.02.2018	INTERFACE
(73) Carrier Corporation	(33) France	(73) Volvo Car Corporation
(72) SWAB, Michael	(51) B60K 17/34	(72) SEDAGHAT, Alborz
(31) 201662424884 P	B60K 7/00	GÖTHLIN, Jonas
(32) 21.11.2016	B60W 10/103	GORDH, Mikael
(33) United States of America	B60W 30/18	
(51) B60J 5/00	B60K 17/10	(51) B60L 9/00
B60R 13/02	B62D 11/00	B60L 1/00
C08L 23/02	(11) EP3927572	H02G 11/00
C08L 23/26	(21) EP20712775.4	(11) EP3712003
C08L 77/00	(47) 25.01.2023	(21) EP20162799.9
(11) EP3632727	(87) US2020019454	(47) 25.01.2023
(21) EP18810395.6	27.08.2020	(22) 12.03.2020
(47) 25.01.2023	(22) 24.02.2020	(54) POWER SUPPLY SYSTEM FOR A
(87) JP2018020069	(54) TRACTION CONTROL FOR STEERING	FLEET VEHICLE
06.12.2018	ARTICULATED POWER MACHINE	(73) Deere & Company
(22) 24.05.2018	(73) Clark Equipment Company	(72) Pfaffmann, Simon
(54) TRIM BOARD FOR VEHICLE DOOR,	(72) ZENT, Kevin, J.	Tarasinski, Nicolai
AND DOOR TRIM	KRIEGER, Daniel, J.	Kegel, Volker
(73) Toyota Boshoku Kabushiki Kaisha	(31) 201962809174 P	Daubermann, Julian
(72) KITO, Masayuki	(32) 22.02.2019	De Moraes Boos, Felipe
GEHO, Kosuke	(33) United States of America	(31) 102019203653
TAKAHASHI, Goro	(51) B60K 35/00	(32) 18.03.2019
SAKO, Mitsutaka	G02B 27/01	(33) Germany
(31) 2017110427	F16C 27/02	
(32) 02.06.2017	(11) EP4043261	(51) B60L 58/16
(33) Japan	(21) EP22154743.3	B60L 58/10
(51) B60K 6/40	(47) 25.01.2023	B60L 53/65
B60K 6/26	(22) 02.02.2022	B60L 55/00
B60K 6/387	(54) HEAD-UP DISPLAY DEVICE	B60L 58/26
B60K 6/48	(73) Yazaki Corporation	B60L 1/00
B60K 17/04	(72) Tsubakihara, Naoto	B60L 3/00
B60L 15/20	Takahashi, Kunikazu	B60L 7/06
B60W 10/08	Fujimoto, Yusuke	B60L 53/30
B60W 20/00	Fukunaga, Takehisa	B60L 15/20
B62M 7/12	Katsumata, Yasuhiro	B60L 53/14
B62M 23/02	Itahana, Katsuyoshi	B60L 50/64
B60L 9/18	Matsuura, Kohji	B60L 50/40
B60K 6/547	Mochizuki, Keita	B60L 53/10
B60W 20/10	Yoshida, Masahiro	B60L 50/51
B62M 7/06	(31) 2021021377	H01M 10/42
(11) EP3604013	(32) 15.02.2021	H02J 7/00
(21) EP18772319.2	(33) Japan	(11) EP3340131
(47) 25.01.2023	(51) B60K 37/00	(21) EP18151833.3
(87) JP2018007595	B60K 37/06	(47) 25.01.2023
27.09.2018	(11) EP3670235	(22) 26.07.2012
(22) 28.02.2018	(21) EP18213943.6	(54) DYNAMICALLY LIMITING VEHICLE
(54) HYBRID VEHICLE	(47) 25.01.2023	OPERATION FOR BEST EFFORT
(73) Kawasaki Motors, Ltd.	(22) 19.12.2018	ECONOMY
(72) MATSUDA, Yoshimoto	(54) VEHICLE COMPRISING A	(73) Gogoro Inc.
MORITA, Hirokazu	COMPARTMENT, AN OPERATING	(72) LUKE, Hok-Sum, Horace
		TAYLOR, Matthew, Whiting
		(31) 201261647941 P
		201261647936 P

201261601953 P	(32) 31.08.2011	(33) United States of America
201261601949 P	31.08.2011	(51) B60Q 1/14
201261601404 P	(33) Japan	B60Q 11/00
201161581566 P	Japan	H01H 35/00
201161557170 P	(51) B60N 3/00	H01H 71/04
201161534761 P	A47B 1/10	G01R 31/327
201161534753 P	A47B 31/06	G01R 27/02
201161534772 P	A47B 37/00	G01R 31/00
201161511880 P	A47B 83/02	(11) EP3974253
201161511887 P	A47B 88/493	(21) EP21199931.3
201161511900 P	(11) EP3749546	(47) 25.01.2023
(32) 16.05.2012	(21) EP19751345.0	(22) 29.09.2021
16.05.2012	(47) 25.01.2023	(54) STATUS DETECTION METHOD
22.02.2012	(87) US2019015588	AND DEVICE FOR VEHICLE LIGHT
22.02.2012	15.08.2019	SIGNALLING CONTROL DEVICE, AND
21.02.2012	(22) 29.01.2019	VEHICLE
29.12.2011	(54) FOOD TRAY FOR PASSENGER SEAT	(73) Nio Technology (Anhui) Co., Ltd
08.11.2011	(73) Haeco Americas, Inc.	(72) ZHENG, Jiawen
14.09.2011	(72) VIPULA, Dasanayaka	MU, Lin
14.09.2011	(31) 201862628225 P	ZHANG, Rui
14.09.2011	(32) 08.02.2018	ZHANG, Xihan
26.07.2011	(33) United States of America	LI, Lv
26.07.2011	(51) B60P 7/00	(31) 202011054979
26.07.2011	G06Q 10/08	(32) 29.09.2020
(33) United States of America	G06Q 50/28	(33) China
United States of America	B60J 7/06	(51) B60Q 1/26
United States of America	(11) EP3698301	H01Q 1/42
United States of America	(21) EP18778946.6	H01Q 1/44
United States of America	(47) 25.01.2023	G01S 13/931
United States of America	(87) EP2018077003	H01Q 1/32
United States of America	25.04.2019	(11) EP3750748
United States of America	(22) 04.10.2018	(21) EP20179553.1
United States of America	(54) SYSTEM AND METHOD OF	(47) 25.01.2023
United States of America	CONTROLLING THE NAVIGATION OF A	(22) 11.06.2020
United States of America	MOTOR VEHICLE EQUIPPED WITH A	(54) BACKLIT RADOME
United States of America	REMOVABLE COVERING SYSTEM	(73) Compagnie Plastic Omnium
United States of America	(73) Innovaction Technologies	(72) DUBOST, Elise
(51) B60N 2/58	(72) SAJNOVIC, Srecko	STABLO, Frédéric
B60N 2/70	(31) 1759676	LANDOULSI, Alaeddine
B60R 7/04	(32) 16.10.2017	(31) 1906318
(11) EP3738824	(33) France	(32) 13.06.2019
(21) EP20174294.7	(51) B60P 7/08	(33) France
(47) 25.01.2023	(11) EP3981646	(51) B60Q 3/72
(22) 13.05.2020	(21) EP20200525.2	B60Q 3/74
(54) VEHICLE SEAT, PAD FOR A SEAT, IN	(47) 25.01.2023	B60Q 3/80
PARTICULAR FOR A VEHICLE SEAT	(22) 07.10.2020	(11) EP3822123
(73) Adient US LLC	(54) CAM BUCKLE	(21) EP19208900.1
(72) BAJCAROVÁ, Zdenka	(73) Axel Johnson International AB	(47) 25.01.2023
CERRATO, Roberto	(72) BIAUD, Richard	(22) 13.11.2019
RAVINALE, Mauro	(51) B60P 7/08	(54) METHOD AND ARRANGEMENT FOR
(31) 102019132104	F16M 11/04	LIGHT ADAPTATION OF A VEHICLE
102019207186	A61G 3/00	DRIVER WHEN EXITING A TUNNEL
(32) 27.11.2019	A61G 12/00	(73) Ningbo Geely Automobile Research &
16.05.2019	(11) EP3718824	Development Co. Ltd.
(33) Germany	(21) EP20171940.8	(72) LINDBERG NILSSON, Erik
Germany	(47) 25.01.2023	NILSSON, Magnus
(51) B60N 2/64	(22) 08.08.2014	(51) B60R 9/06
A47C 7/46	(54) EQUIPMENT MOUNTING SYSTEM	B60R 9/10
B60N 2/22	(73) Ferno-Washington, Inc.	(11) EP3888979
(11) EP3412503	(72) SCHROEDER, Timothy Paul	(21) EP21162536.3
(21) EP18176141.2	WEST, James C.	(47) 25.01.2023
(47) 25.01.2023	CHINN, Robert C.	(22) 15.03.2021
(22) 29.08.2012	SMOLAN, Peter	(54) RETRACTABLE BIKE MOUNT
(54) SEAT APPARATUS	VACULA, Michal	(73) Renault s.a.s
(73) TS Tech Co., Ltd.	TUREK, Ladislav	(72) VIANO, Juan Pablo
(72) SUGIYAMA, Shinji	(31) 201462026515 P	(31) 2003168
(31) 2011188482	(32) 18.07.2014	(32) 31.03.2020
2011188478		

(33) France	(33) Australia	(73) FERRARI S.p.A.
(51) B60R 13/10	(51) B60R 22/28	(72) FAVARETTO, Fabrizio
C08L 101/16	B60R 22/34	(31) 201800021100
(11) EP3715181	(11) EP3939839	(32) 27.12.2018
(21) EP20165028.0	(21) EP21195493.8	(33) Italy
(47) 25.01.2023	(47) 25.01.2023	(51) B60T 8/1755
(22) 23.03.2020	(22) 25.07.2019	(11) EP3793871
(54) ENTIRELY BIODEGRADABLE OR	(54) BELT RETRACTOR WITH	(21) EP19725658.9
RECYCLABLE LICENSE PLATE	DECOUPLING DEVICE COMPRISING	(47) 25.01.2023
(73) INDUSTRIAS SAMAR'T, S.A.	FORCE LIMITING MEANS	(87) EP2019062128
(72) SANCHEZ CASADEVALL, ENRIQUE	(73) Autoliv Development AB	21.11.2019
(31) 201930282	(72) AXBLOM, Per	(22) 13.05.2019
(32) 27.03.2019	BUD, Adrian	(54) SYSTEM FOR AN ELECTRICALLY
(33) Spain	RYDSMO, Erik	DRIVEN VEHICLE, VEHICLE HAVING
(51) B60R 19/48	(31) 102019107663	SAME
B60K 11/08	102018118102	(73) ZF CV Systems Europe BV
(11) EP3760492	(32) 26.03.2019	(72) SCHÜNEMANN, Gerd
(21) EP19184022.2	26.07.2018	HESEDING, Johannes
(47) 25.01.2023	(33) Germany	(31) 102018111682
(22) 02.07.2019	Germany	(32) 15.05.2018
(54) CONNECTING STRUCTURE FOR	(51) B60R 25/04	(33) Germany
CONNECTING AN ACTUATOR TO AN	B60R 25/06	(51) B60T 8/32
OPENING FLAP FOR OPENING AND	B60R 25/20	B60T 13/74
CLOSING AN EXTERNAL CLADDING	B60R 25/24	(11) EP3612419
COMPONENT OF A MOTOR VEHICLE,	(11) EP3507780	(21) EP18720764.2
EXTERNAL CLADDING COMPONENT	(21) EP17845600.0	(47) 25.01.2023
COMPRISING SUCH A CONNECTING	(47) 25.01.2023	(87) EP2018059927
STRUCTURE AND MOTOR VEHICLE	(87) IB2017053496	25.10.2018
COMPRISING SUCH AN EXTERNAL	08.03.2018	(22) 18.04.2018
CLADDING COMPONENT	(22) 13.06.2017	(54) METHOD FOR GENERATING BRAKING
(73) Motherson Innovations Company Limited	(54) A REMOTELY ACTIVATED VEHICLE	POWER BY ACTUATING AT LEAST
(72) Durupt, Xavier	ANTI-THEFT DEVICE	ONE ELECTRIC BRAKING MOTOR IN A
(51) B60R 19/48	(73) Hardcore Automotive Locking	VEHICLE PARKING BRAKE
B60R 21/0136	Technologies (pty) Ltd	(73) Robert Bosch GmbH
(11) EP3885201	(72) TALJAARD, Philippus, Petrus, Erasmus	(72) BAEHRLE-MILLER, Frank
(21) EP21159037.7	(31) 201606693	FRENZEL, Toni
(47) 25.01.2023	201606093	(31) 102018205811
(22) 24.02.2021	PCT/IB2016/057538	102017206608
(54) VEHICLE PROVIDED WITH A SECURE	(32) 28.09.2016	(32) 17.04.2018
REVERSE SENSOR	02.09.2016	19.04.2017
(73) Renault s.a.s	12.12.2016	(33) Germany
(72) GHIRARDINI, Armand	(33) South Africa	Germany
SEIGNEUR, Quentin	South Africa	(51) B60T 10/04
(31) 2002913	World Intellectual Property Office (WIPO)	B60T 1/093
(32) 25.03.2020	(51) B60S 1/48	F16D 57/06
(33) France	B60S 1/56	B60T 7/04
(51) B60R 21/34	(11) EP3738841	B60T 7/08
B60T 7/12	(21) EP20171650.3	(11) EP3738843
G01S 13/931	(47) 25.01.2023	(21) EP20174049.5
G01S 15/87	(22) 27.04.2020	(47) 25.01.2023
B60T 17/22	(54) SYSTEM FOR DISPENSING A FLUID	(22) 12.05.2020
B60T 7/22	FOR A VEHICLE, ASSOCIATED FLUID	(54) HYDRAULIC SYSTEM
G01S 15/931	DISPENSER AND METHOD FOR	(73) Deere & Company
B60T 13/74	EJECTING FLUID USING SUCH A	(72) MEID, Michael
G01S 17/931	SYSTEM	TRAUT, Sebastian
(11) EP2723615	(73) A. Raymond et Cie	BILLICH, Manuel
(21) EP12802836.2	(72) GREYER, Urs	KLITTICH, Mathias
(47) 25.01.2023	BARON, Stéphane	(31) 102019206982
(87) AU2012000250	(31) 1905176	(32) 14.05.2019
27.12.2012	(32) 17.05.2019	(33) Germany
(22) 13.03.2012	(33) France	(51) B60T 13/52
(54) AN ACCIDENT PREVENTION SYSTEM	(51) B60T 1/12	B60T 13/567
AND A VEHICLE INCLUDING THE	(11) EP3674152	(11) EP3763585
ACCIDENT PREVENTION SYSTEM	(21) EP19219312.6	(21) EP20183528.7
(73) Surveillance Guard Co Limited	(47) 25.01.2023	(47) 25.01.2023
(72) KIEHNE, Bruce Leigh	(22) 23.12.2019	(22) 01.07.2020
(31) 2011902483	(54) HIGH-PERFORMANCE CAR WITH GAS	(54) BRAKING ASSISTANCE DEVICE
(32) 24.06.2011	NOZZLES	(73) Renault s.a.s

(72) CAGNY, Christophe DELMOULY, Valentin	PLANTIER, Matthieu	B60D 5/00
(31) 1907642	(31) 1557766	(11) EP3498565
(32) 08.07.2019	(32) 17.08.2015	(21) EP17206978.3
(33) France	(33) France	(47) 25.01.2023
(51) B60T 13/58	(51) B60W 30/09	(22) 13.12.2017
B60T 13/68	B60W 30/095	(54) DEVICE FOR SUPPORTING A LOAD
F16K 31/04	B60W 30/14	OF A GANGWAY STRUCTURE
F16K 31/12	(11) EP3418152	BETWEEN TWO CARS, A GANGWAY
(11) EP3934948	(21) EP16915652.8	FOR CONNECTING A FIRST CAR
(21) EP20711657.5	(47) 25.01.2023	WITH A SECOND CAR AND ALLOWING
(47) 25.01.2023	(87) JP2016076172	PASSAGE OF PASSENGERS
(87) IB2020051860	15.03.2018	FROM THE FIRST CAR TO THE
10.09.2020	(22) 06.09.2016	SECOND CAR, MULTI-CAR VEHICLE
(22) 04.03.2020	(54) VEHICLE CONTROL DEVICE	COMPRISING A GANGWAY AND TWO
(54) HYDROPNEUMATIC VALVE WITH	(73) Mazda Motor Corporation	CARS WHICH ARE CONNECTED BY
MECHATRONIC MODULE	(72) OHMURA, Hiroshi	THE GANGWAY
(73) Beka, Saint-Aubin S.A.	(51) B61C 9/50	(73) Dellner Couplers AB
(72) GASSER, Olivier	B61F 5/38	(72) HEDH, Frederik
(31) 2772019	(11) EP3554913	SMITH, Graham
(32) 07.03.2019	(21) EP17711124.2	(51) B61F 5/22
(33) Switzerland	(47) 25.01.2023	B60G 17/019
(51) B60T 13/66	(87) EP2017055941	B60G 17/052
(11) EP3938257	20.09.2018	(11) EP3885231
(21) EP20712855.4	(22) 14.03.2017	(21) EP21163907.5
(47) 25.01.2023	(54) CHASSIS FOR RAIL VEHICLES	(47) 25.01.2023
(87) EP2020055699	(73) Siemens Mobility Austria GmbH	(22) 22.03.2021
17.09.2020	(72) HOFFMANN, Thilo	(54) RAILWAY VEHICLE AND ASSOCIATED
(22) 04.03.2020	KIENBERGER, Andreas	METHOD
(54) ELECTRONIC CONTROLLABLE BRAKE	TEICHMANN, Martin	(73) ALSTOM Transport Technologies
SYSTEM WITH TWO FALLBACK	BECHER, Klemens	(72) ESSOH, Fabrice
LEVELS	SUMNITSCH, Michael	NICOLEAU, Grégoire
(73) ZF CV Systems Europe BV	WILDING, Reinhard	(31) 2002792
(72) MICHAELSEN, Arne	ZEKOLL, Michael	(32) 23.03.2020
OTREMBE, Robert	(51) B61D 1/02	(33) France
VAN THIEL, Julian	B61D 17/04	(51) B61L 23/06
(31) 102019106274	(11) EP3632763	(11) EP2990296
(32) 12.03.2019	(21) EP17911439.2	(21) EP15181063.7
(33) Germany	(47) 25.01.2023	(47) 25.01.2023
(51) B60W 10/02	(87) CN2017115544	(22) 14.08.2015
B60W 20/40	06.12.2018	(54) A DECOMMISSIONING SYSTEM
B60W 50/00	(22) 12.12.2017	FOR DECOMMISSIONING A
(11) EP3351446	(54) SLEEPING CAR COMPARTMENT AND	RAILWAY TRACK SECTION, AS
(21) EP17197203.7	SLEEPING CAR	WELL AS INTERFACE MEANS FOR
(47) 25.01.2023	(73) CRRC Tangshan Co., Ltd.	CONNECTING A DECOMMISSIONING
(22) 19.10.2017	(72) LI, Xiayan	SYSTEM TO A TRAIN SAFETY
(54) METHOD FOR OPERATING A DRIVE	ZHANG, Lei	SYSTEM OF THE RAILWAY TRACK
DEVICE FOR A MOTOR VEHICLE AND	GAO, Guoyan	(73) Dual Inventive Holding B.V.
CORRESPONDING DRIVE DEVICE	SHEN, Liwei	(72) VAN DER POEL, Lex Josephus Maria
(73) AUDI AG	YU, Baolin	(31) 2013825
(72) Schneider, Michael	LIU, Chenhui	2013372
Kaartometsä, Henrik	(31) 201710409131	(32) 18.11.2014
Brückl, Bernhard	(32) 02.06.2017	27.08.2014
(31) 102017200982	(33) China	(33) Netherlands
(32) 23.01.2017	(51) B61D 17/06	Netherlands
(33) Germany	B61D 15/06	(51) B62B 7/00
(51) B60W 20/16	(11) EP2976244	(11) EP3755601
B60W 10/26	(21) EP13711020.1	(21) EP19710839.2
(11) EP3150453	(47) 25.01.2023	(47) 25.01.2023
(21) EP16176404.8	(87) EP2013055584	(87) US2019018903
(47) 25.01.2023	25.09.2014	29.08.2019
(22) 27.06.2016	(22) 18.03.2013	(22) 21.02.2019
(54) METHOD FOR DISTRIBUTING A	(54) VEHICLE STRUCTURE FOR A RAIL	(54) FORCE FINGER
TORQUE-ASSIST INSTRUCTION OF	VEHICLE	(73) Monahan Products, LLC
A THERMAL POLLUTION-CONTROL	(73) ALSTOM Holdings	(72) BASTIEN, Richard M.
FUNCTION OF A HYBRID VEHICLE	(72) GIESE, Konrad	(31) 201815902706
(73) PSA Automobiles SA	GROBEL, Jörg	(32) 22.02.2018
(72) MILHAU, Yohan	(51) B61D 17/20	(33) United States of America
		(51) B62D 1/06

B62D 1/04	18.07.2019	B62B 13/12
B62D 15/02	(22) 13.12.2018	B62B 17/06
(11) EP3581464	(54) LOWER SILL REINFORCEMENT PART	B62B 19/04
(21) EP19179069.0	OF A BODYSHELL OF A VEHICLE	B62K 5/00
(47) 25.01.2023	CONFIGURED FOR SELECTIVE	B62M 6/40
(22) 07.06.2019	ANCHORING A PLURALITY OF	(11) EP3901019
(54) SYSTEM AND METHOD FOR	ACCESSORIES	(21) EP21165670.7
STEERING WHEEL HAPTIC	(73) PSA Automobiles SA	(47) 25.01.2023
NOTIFICATION	(72) LEFEVRE, Eric	(22) 29.03.2021
(73) Harman International Industries,	ROBERT, Cedric	(54) STABILISING ASSEMBLY FOR
Incorporated	(31) 1850177	VEHICLE
(72) Garcia, Juan	(32) 09.01.2018	(73) Deberghes, Pierre
(31) 201816005600	(33) France	(72) DEBERGHES, PIERRE
(32) 11.06.2018	(51) B62D 25/04	(31) 2003983
(33) United States of America	B62D 25/20	(32) 21.04.2020
(51) B62D 1/19	(11) EP3735369	(33) France
B62D 1/184	(21) EP18839823.4	(51) B62M 6/45
(11) EP3696052	(47) 25.01.2023	B60L 9/18
(21) EP20157857.2	(87) FR2018053243	B62J 99/00
(47) 25.01.2023	11.07.2019	B60L 15/10
(22) 18.02.2020	(22) 13.12.2018	B60L 50/20
(54) STEERING COLUMN APPARATUS	(54) VEHICLE EQUIPPED WITH A JACKING	B60L 15/20
(73) JTEKT CORPORATION	POINT IN THE FRONT PILLAR	(11) EP3564109
(72) MAEDA, Seigi	REINFORCEMENT, AND JACKING	(21) EP17887877.3
TAKAI, Kenta	POINT FOR SUCH A VEHICLE	(47) 25.01.2023
YOSHIMURA, Satoki	(73) PSA Automobiles SA	(87) JP2017034146
HAKAMATA, Yoshinori	(72) REY, Loïc	05.07.2018
(31) 2019026351	(31) 1850036	(22) 21.09.2017
(32) 18.02.2019	(32) 04.01.2018	(54) ELECTRIC ASSIST SYSTEM AND
(33) Japan	(33) France	ELECTRIC ASSIST VEHICLE
(51) B62D 7/18	(51) B62D 29/00	(73) Yamaha Hatsudoki Kabushiki Kaisha
(11) EP3720758	B62D 25/00	(72) HASUMI, Mitsuharu
(21) EP18827253.8	(11) EP3908501	(31) 2016255870
(47) 25.01.2023	(21) EP19839395.1	(32) 28.12.2016
(87) IB2018059712	(47) 25.01.2023	(33) Japan
13.06.2019	(87) FR2019053030	(51) B62M 9/10
(22) 06.12.2018	16.07.2020	(11) EP3831703
(54) WHEEL-CARRYING MEMBER FOR A	(22) 12.12.2019	(21) EP21000010.5
VEHICLE SUSPENSION	(54) SYSTEM FOR ATTACHING A SEALING	(47) 25.01.2023
(73) Marelli Suspension Systems Italy S.p.A.	PLATE TO A TAIL LIGHT RECESS OF A	(22) 20.02.2019
(72) SANTINI, Andrea	MOTOR VEHICLE	(54) REAR WHEEL PINION ASSEMBLY
SOTTILE, Salvatore	(73) PSA Automobiles SA	WITH TWO PIECES FOR JOINT
PULINA, Fabio	(72) RIVIERRE, Laurent	ROTATION OF PARTIAL ASSEMBLIES
(31) 201700141159	(31) 1900176	CONNECTED TO EACH OTHER
(32) 06.12.2017	(32) 09.01.2019	(73) SRAM Deutschland GmbH
(33) Italy	(33) France	(72) Braedt, Henrik
(51) B62D 25/02	(51) B62D 35/00	(31) 102018133324
B62D 25/04	B60R 13/04	102018203023
B62D 25/16	(11) EP3889011	(32) 21.12.2018
(11) EP3718863	(21) EP21161649.5	28.02.2018
(21) EP20161823.8	(47) 25.01.2023	(33) Germany
(47) 25.01.2023	(22) 10.03.2021	Germany
(22) 09.03.2020	(54) FRONT VEHICLE-BODY STRUCTURE	(51) B63B 35/00
(54) VEHICLE SIDE BODY STRUCTURE,	FOR A VEHICLE, VEHICLE BODY	B63B 35/42
AND VEHICLE	STRUCTURE, AND VEHICLE	E02B 17/00
(73) Mazda Motor Corporation	(73) MAZDA MOTOR CORPORATION	E02B 17/02
(72) KIYOSHITA, Daisuke	(72) MIZOKANE, Michiya	(11) EP3867138
NAKAMURA, Takeshi	IKAWA, Yuki	(21) EP19828889.6
NISHIMURA, Yoshikazu	ENOMOTO, Masayoshi	(47) 25.01.2023
(31) 2019071817	KUGA, Yoshiatsu	(87) NL2019050691
(32) 04.04.2019	OKAMOTO, Satoshi	23.04.2020
(33) Japan	(31) 2020066356	(22) 21.10.2019
(51) B62D 25/04	(32) 02.04.2020	(54) COMBINATION OF HEAVY LIFT
B62D 25/02	(33) Japan	VESSEL AND FLOATING APPENDAGE
(11) EP3737603	(51) B62K 5/10	STRUCTURE
(21) EP18833692.9	B62K 5/06	(73) Heerema Marine Contractors Nederland
(47) 25.01.2023	B62K 7/04	SE
(87) FR2018053258	B60G 3/12	(72) GEENE, Paul Antonius Alphonsus

VAN DRUNEN, Joris	(73) The Boeing Company	(22) 04.08.2010
(31) 2021841	(72) White, Edward V.	(54) AIRCRAFT LANDING GEAR
(32) 19.10.2018	(31) 201715607962	(73) Airbus Operations Limited
(33) Netherlands	(32) 30.05.2017	(72) WILSON, Fraser
(51) B63B 41/00	(33) United States of America	BEDARRIDES, Jeremy
(11) EP3717346	(51) B64C 7/02	PLATAGEA, Vladimir
(21) EP18826770.2	B64D 29/08	(31) 201007562
(47) 25.01.2023	E05B 9/00	0915009
(87) FR2018053056	E05C 19/10	(32) 06.05.2010
06.06.2019	(11) EP3549856	28.08.2009
(22) 30.11.2018	(21) EP19166487.9	(33) United Kingdom
(54) FLOATING MARITIME VESSEL	(47) 25.01.2023	United Kingdom
COMPRISING A DETACHABLE	(22) 01.04.2019	(51) B64C 25/60
MEASURING KEEL	(54) FAN COWL LATCH CONCEPT FOR	B64C 25/20
(73) Ixblue	FUSELAGE MOUNTED POWER PLANT	B64C 25/36
(72) GRALL, Sébastien	(73) Rohr, Inc.	(11) EP3772459
(31) 1761547	(72) RATAJAC, Aleksandar	(21) EP19215235.3
(32) 01.12.2017	(31) 201815944603	(47) 25.01.2023
(33) France	(32) 03.04.2018	(22) 11.12.2019
(51) B63H 21/17	(33) United States of America	(54) SHOCK STRUT SHRINKING SYSTEM
H02J 3/34	(51) B64C 9/02	(73) Goodrich Corporation
H02J 3/00	(11) EP3693266	(72) DITZLER, Adam J.
H02K 7/08	(21) EP20158962.9	(31) 201916533626
H02K 7/18	(47) 25.01.2023	(32) 06.08.2019
B63H 23/24	(22) 09.06.2016	(33) United States of America
(11) EP2627557	(54) GURNEY FLAP	(51) B64C 27/00
(21) EP10773372.7	(73) Claverham Limited	B64F 5/60
(47) 25.01.2023	(72) BEKIRCAN, Suat	(11) EP3584159
(87) GB2010001910	BREWER, Paul	(21) EP19184104.8
19.04.2012	(51) B64C 9/02	(47) 25.01.2023
(22) 14.10.2010	B64C 9/04	(22) 06.06.2013
(54) MARINE PROPULSION SYSTEMS	B64C 9/16	(54) DETERMINING ROTORCRAFT
(73) GE Energy Power Conversion	(11) EP3524516	COLLECTIVE ADJUSTMENT DURING
Technology Ltd	(21) EP19153887.5	GROUND TEST
(72) LEWIS, Eric, Anthony	(47) 25.01.2023	(73) Simmonds Precision Products, Inc.
(51) B63J 3/04	(22) 28.01.2019	(72) GREEN, David L.
B63H 9/06	(54) LINKAGE MECHANISM FOR LINKING	CHIN, Harrison H.
(11) EP3636538	A FLAPERON TO A DROOP PANEL OF	KUNSELMAN, Howard S.
(21) EP19162957.5	AN AIRCRAFT	(31) 201213490229
(47) 25.01.2023	(73) Airbus Operations GmbH	(32) 06.06.2012
(22) 14.03.2019	(72) Hencke, Marc	(33) United States of America
(54) INTEGRATED PHOTOVOLTAIC	Gibbert, Markus	(51) B64C 27/56
SYSTEM INSTALLABLE ON LEISURE	Gehle, Florian	B64C 29/00
VESSELS	(31) 102018102741	B64D 31/04
(73) Fabiani, Maurizio	(32) 07.02.2018	B64C 13/04
(72) Fabiani, Maurizio	(33) Germany	(11) EP3206948
(31) 201800003437	(51) B64C 11/38	(21) EP15748107.8
(32) 12.03.2018	B64C 27/64	(47) 25.01.2023
(33) Italy	B64C 27/59	(87) US2015041342
(51) B64C 1/40	B64C 27/605	21.04.2016
B64D 13/00	B64C 27/615	(22) 21.07.2015
B64G 1/50	F15B 21/04	(54) UNIVERSAL MULTI-ROLE AIRCRAFT
B64C 3/18	(11) EP3760535	PROTOCOL
B64C 3/26	(21) EP20185788.5	(73) Curtis, Sydney, Robert
B64C 1/00	(47) 25.01.2023	(72) Curtis, Sydney, Robert
B64C 13/50	(22) 16.06.2017	(31) 201414516464
B64C 9/00	(54) PROPELLER BLADE ANGLE CONTROL	(32) 16.10.2014
B32B 27/06	SYSTEM	(33) United States of America
B32B 5/24	(73) Pratt & Whitney Canada Corp.	(51) B64C 39/02
B32B 7/08	(72) WADDLETON, David	B64D 1/10
B32B 5/18	(31) 201615185539	B64D 1/12
(11) EP3792175	(32) 17.06.2016	(11) EP2727835
(21) EP20197832.7	(33) United States of America	(21) EP13189903.1
(47) 25.01.2023	(51) B64C 25/40	(47) 25.01.2023
(22) 29.03.2018	(11) EP3409584	(22) 23.10.2013
(54) A THERMAL MANAGEMENT SYSTEM,	(21) EP18177495.1	(54) Aircraft deployment and retrieval of
A COMPOSITE WING, AND A	(47) 25.01.2023	unmanned aerial vehicles
COMPOSITE WING SPAR		(73) The Boeing Company

(72) Hanna, Mark Poling, David R	10.01.2019 16.12.2018	(47) 25.01.2023 (22) 24.08.2020
(31) 201213664323	(33) United States of America	(54) HOSE INSPECTION SYSTEM
(32) 30.10.2012	United States of America	(73) Mission Systems Wimborne Limited
(33) United States of America	United States of America	(72) PATTISON, James Edward
(51) B64C 39/08	(51) B64D 29/00	CLARKE, Henry
B64C 3/50	B64D 33/02	(31) 201912521
B64C 3/44	F02K 1/66	(32) 30.08.2019
(11) EP3722208	B64C 23/06	(33) United Kingdom
(21) EP20382250.7	F02C 7/042	(51) B64D 39/06
(47) 25.01.2023	(11) EP3956224	F16L 37/44
(22) 31.03.2020	(21) EP20719963.9	F16L 37/62
(54) POWERED HIGH-LIFT SYSTEM FOR	(47) 25.01.2023	B64D 3/00
SHORT TAKE-OFF AND LANDING	(87) EP2020060028	F16L 37/00
(STOL) AIR VEHICLES	22.10.2020	(11) EP3842346
(73) Airbus Defence and Space, S.A.U.	(22) 08.04.2020	(21) EP20214272.5
(72) ALONSO RODRÍGUEZ, Jose Manuel	(54) TURBOREACTOR COMPRISING A	(47) 25.01.2023
FUENTES SOLANA, Alfonso Emilio	NACELLE WITH AN AIR INTAKE FOR	(22) 15.12.2020
(31) 201900053 U	IMPROVING A REVERSE THRUST	(54) AIR-TO-AIR COUPLING
(32) 01.04.2019	(73) SAFRAN AIRCRAFT ENGINES	(73) Mission Systems Wimborne Limited
(33) Spain	(72) MINCU, Daniel-Ciprian	(72) Whitworth, Samuel John
(51) B64D 11/00	LECORDIX, Jean-Loïc, Hervé	Clarke, Henry Thomas
B64D 11/04	SIRVIN, Nicolas, Joseph	Coward, Edward Haydn
(11) EP3792180	DAUTREPPE, Frédéric	(31) 201919304
(21) EP19216105.7	BINDER, Anthony	(32) 24.12.2019
(47) 25.01.2023	LEBEAULT, Eva, Julie	(33) United Kingdom
(22) 13.12.2019	(31) 1904087	(51) B64D 41/00
(54) MOVEABLE T-DIVIDER FOR CART	(32) 17.04.2019	(11) EP3260376
STOWAGE BAY	(33) France	(21) EP17177528.1
(73) B/E Aerospace, Inc.	(51) B64D 29/06	(47) 25.01.2023
(72) NETI, Venkata Prasanth Suman	(11) EP3800126	(22) 22.06.2017
BROWNIE, Donna C.	(21) EP19212389.1	(54) OPERATING AUXILIARY POWER UNIT
(31) 201916569263	(47) 25.01.2023	DURING OFF-NOMINAL PROPULSION
(32) 12.09.2019	(22) 29.11.2019	SYSTEM OPERATION
(33) United States of America	(54) COWL DOOR LATCH ASSEMBLY	(73) Raytheon Technologies Corporation
(51) B64D 13/06	(73) Rohr, Inc.	(72) JONES, Anthony C.
(11) EP3800124	(72) LOHMAN, Sarah	HAGSHENAS, Behzad
(21) EP20182642.7	BYRNE, Stuart J.	(31) 201615190931
(47) 25.01.2023	(31) 201916593259	(32) 23.06.2016
(22) 26.06.2020	(32) 04.10.2019	(33) United States of America
(54) AIRCRAFT MULTI-ZONE	(33) United States of America	(51) B64D 47/02
ENVIRONMENTAL CONTROL	(51) B64D 33/02	F21W 107/30
SYSTEMS	F02C 7/052	(11) EP3808662
(73) Hamilton Sundstrand Corporation	(11) EP3808661	(21) EP19214304.8
(72) ELSHERBINI, Abdelrahman I.	(21) EP20211493.0	(47) 25.01.2023
ST. ROCK, Brian	(47) 25.01.2023	(22) 06.12.2019
(31) 201916592446	(22) 11.09.2018	(54) ADJUSTABLE AIMING AIRCRAFT
(32) 03.10.2019	(54) AIRCRAFT COMPRISING AN AIR	LIGHT ASSEMBLY
(33) United States of America	INTAKE	(73) Goodrich Lighting Systems, Inc.
(51) B64D 15/02	(73) Airbus Operations S.L.	(72) LAPUJADE, Philippe
B64C 1/06	(72) CANALEJO BAUTISTA, Juan Manuel	SCHIMKE, Adam M.
B64D 33/02	(51) B64D 37/32	(31) 201916653580
(11) EP3666657	(11) EP3800127	(32) 15.10.2019
(21) EP19216500.9	(21) EP19212267.9	(33) United States of America
(47) 25.01.2023	(47) 25.01.2023	(51) B64F 1/22
(22) 16.12.2019	(22) 28.11.2019	B64F 1/12
(54) ICE PROTECTION ASSEMBLY	(54) FUEL TANK INERTING SYSTEM AND	B64F 1/32
COMPRISING A SELECTIVELY	METHOD	B64C 27/08
MELTABLE ADHESIVE	(73) Hamilton Sundstrand Corporation	B64C 27/20
(73) Goodrich Corporation	(72) RHEAUME, Jonathan	B64C 39/00
(72) CHING, Nathaniel	SAVIERS, Kimberly	B64C 39/02
WALSH, Peter J.	(31) 201916593681	(11) EP3544895
HU, Jin	(32) 04.10.2019	(21) EP17874317.5
SLANE, Casey	(33) United States of America	(47) 25.01.2023
(31) 201916595771	(51) B64D 39/02	(87) US2017057630
201962790639 P	(11) EP3786069	31.05.2018
201862780312 P	(21) EP20192330.7	(22) 20.10.2017
(32) 08.10.2019		

(54) LANDING AND PAYLOAD LOADING STRUCTURES	B25J 15/08	(22) 11.05.2018
(73) Wing Aviation LLC	(11) EP3647209	(54) DISPLAY CRATE AND KIT OF PARTS THEREFOR
(72) BLAKE, Jesse	(21) EP18203969.3	(73) Crep Protect Ltd
SCHMALZRIED, Jim	(47) 25.01.2023	(72) AHMED, Rizwan
SHANNON, Trevor	(22) 01.11.2018	(31) 201707644
SIMONIAN, Michael	(54) CAPTURE DEVICE AND CAPTURE METHOD FOR CATCHING UNCOOPERATIVE SATELLITES IN SPACE	(32) 12.05.2017
KLEPP, Sindre	(73) Airbus Defence and Space GmbH	(33) United Kingdom
BENSON, Stephen	(72) Mädiger, Bernd	(51) B65D 23/06
WOODWORTH, Adam	Dörmer, Manfred	B65D 23/08
(31) 201615358935	Golbeck, Ortwin	(11) EP3383753
(32) 22.11.2016		(21) EP16808577.7
(33) United States of America		(47) 25.01.2023
(51) B64F 5/10	(51) B64G 1/64	(87) EP2016078325
G05B 19/418	B64G 1/24	08.06.2017
B25J 9/16	B64G 1/10	(22) 21.11.2016
G05B 19/4099	B64G 1/26	(54) LABELLING DEVICE FOR BOTTLES, METHOD FOR PRODUCING SAME AND USE THEREOF
(11) EP3814228	(11) EP4045412	(73) Dress Robin
(21) EP19734870.9	(21) EP20807864.2	(72) ROBIN, Sébastien
(47) 25.01.2023	(47) 25.01.2023	(31) 1561821
(87) GB2019051824	(87) IB2020059821	(32) 03.12.2015
02.01.2020	22.04.2021	(33) France
(22) 27.06.2019	(22) 19.10.2020	(51) B65D 33/10
(54) METHOD FOR ASSEMBLING AIRCRAFT AIRFRAMES	(54) END-TO-END ON-ORBIT SERVICING	B65D 85/72
(73) BAE SYSTEMS plc	(73) Thales Alenia Space Italia S.p.A. Con Unico Socio	(11) EP3615444
(72) CARBERRY, Jonathan, Michael	(72) FASANO, Giorgio	(21) EP18707152.7
COULIER, Graham, Peter	GAIA, Enrico	(47) 25.01.2023
(31) 201810648	FERRONI, Stefano	(87) IB2018050799
201810649	PESSANA, Mario	01.11.2018
201810655	(31) 201900019322	(22) 09.02.2018
201810651	(32) 18.10.2019	(54) ENVELOPE OR BAG
18180582	(33) Italy	(73) Sacma S.p.A.
18180583	(51) B65C 9/00	(72) MAESTRI, Marco
18180587	(11) EP3908526	(31) 201700045901
18180584	(21) EP19827702.2	(32) 27.04.2017
(32) 28.06.2018	(47) 25.01.2023	(33) Italy
28.06.2018	(87) EP2019085894	(51) B65D 33/25
28.06.2018	16.07.2020	B65D 83/06
28.06.2018	(22) 18.12.2019	(11) EP3898439
28.06.2018	(54) CAROUSEL MACHINE FOR PROCESSING CONTAINERS	(21) EP19829204.7
28.06.2018	(73) P.E. Labellers S.p.A.	(47) 25.01.2023
28.06.2018	(72) BONARDI, Luca	(87) EP2019086703
(33) United Kingdom	(31) 201900000334	25.06.2020
United Kingdom	(32) 10.01.2019	(22) 20.12.2019
United Kingdom	(33) Italy	(54) IMPROVED DEVICE FOR CLOSING A BAG COMPRISING POWDERY CONTENTS
United Kingdom	(51) B65C 9/42	(73) S2F Flexico
European Patent Office (EPO)	(11) EP3453631	(72) GEORGES, Philippe
European Patent Office (EPO)	(21) EP18170334.9	(31) 1873981
European Patent Office (EPO)	(47) 25.01.2023	(32) 21.12.2018
European Patent Office (EPO)	(22) 02.05.2018	(33) France
(51) B64F 5/60	(54) METHOD FOR ADVANCING A LABEL TAPE TO A REFERENCE ADVANCE POSITION AND DEVICE FOR LABELLING CONTAINERS	(51) B65D 41/04
G05B 23/02	(73) Krones AG	(11) EP3489164
B64C 39/02	(72) Hoegl, Bernhard	(21) EP17203313.6
(11) EP4009127	(31) 102017215757	(47) 25.01.2023
(21) EP20212220.6	(32) 07.09.2017	(22) 23.11.2017
(47) 25.01.2023	(33) Germany	(54) A CLOSURE FOR A CONTAINER COMPRISING THREE POSITIONS
(22) 07.12.2020	(51) B65D 6/24	(73) The Procter & Gamble Company
(54) DIAGNOSTICS SYSTEM FOR DIAGNOSING THE CONDITION OF EQUIPMENT	B65D 85/18	(72) AGERTON, Mark Lewis
(73) Hitachi, Ltd.	(11) EP3609796	ANDRES, Brian David
(72) YAMASHITA, Tomoaki	(21) EP18724233.4	SENA, Douglas David
KATO, Tetsuji	(47) 25.01.2023	(51) B65D 41/34
ELLIS, Robert	(87) EP2018062263	B65D 55/16
(51) B64G 1/64	15.11.2018	
B64G 1/10		

(11) EP3757033	GRUBBS, Nathan Daniel	(73) Ros Roca, S.A.
(21) EP19181960.6	(31) 201715702783	(72) BERGADÀ VIDAL, Joan
(47) 25.01.2023	(32) 13.09.2017	DE LA FUENTE FERREIRO, Daniel
(22) 24.06.2019	(33) United States of America	(31) 202030115
(54) BOTTLE CAP WITH NON-BREAK PLATES	(51) B65D 88/06	(32) 11.02.2020
(73) Taiwan Hon Chuan Enterprise Co., Ltd.	B21D 51/04	(33) Spain
(72) Dai, Keith H	B60P 3/22	(51) B65G 1/137
(51) B65D 47/08	B62D 63/06	G06Q 10/08
B65D 1/02	B62D 65/00	(11) EP3256406
B65D 77/04	B62D 33/04	(21) EP16706549.9
B65D 47/32	B62D 53/06	(47) 25.01.2023
B65D 83/00	B65D 90/08	(87) EP2016052717
(11) EP3521199	(11) EP3558848	18.08.2016
(21) EP17856385.4	(21) EP17882950.3	(22) 09.02.2016
(47) 25.01.2023	(47) 25.01.2023	(54) A PALLETIZING SYSTEM AND A METHOD OF OPERATING SUCH A PALLETIZING SYSTEM
(87) JP2017035346	(87) CA2017051544	(73) Marel A/S
05.04.2018	28.06.2018	(72) MIKKELSEN, Tommy Noerskov
(22) 28.09.2017	(22) 19.12.2017	(31) 15154491
(54) DISCHARGE CONTAINER	(54) CYLINDRICAL CARGO CONTAINER CONSTRUCTION	(32) 10.02.2015
(73) Yoshino Kogyosho Co., Ltd.	(73) Titan Trailers Inc.	(33) European Patent Office (EPO)
(72) KUTSUZAWA Shintaro	(72) KLOEPFER, Michael	(51) B65G 47/64
MIYAIRI Keisuke	HOWDEN, Trevor Lorne	B65G 54/02
HONDA Takayuki	KLOEPFER, Christopher Howard	(11) EP3728087
(31) 2016194984	(31) 201762562001 P	(21) EP18827041.7
(32) 30.09.2016	201662436960 P	(47) 25.01.2023
(33) Japan	(32) 22.09.2017	(87) EP2018085555
(51) B65D 75/32	20.12.2016	27.06.2019
A45C 11/00	(33) United States of America	(22) 18.12.2018
B65D 21/02	United States of America	(54) DEVICE FOR TREATING CONTAINERS
(11) EP3914528	(51) B65D 88/12	(73) KRONES AG
(21) EP20701866.4	B65D 90/14	(72) JURCHESCU, Heiko
(47) 25.01.2023	(11) EP3765335	KRUEGER, Jochen
(87) GB2020050115	(21) EP19767573.9	NEUBAUER, Michael
30.07.2020	(47) 25.01.2023	(31) 102017223078
(22) 20.01.2020	(87) IB2019052032	(32) 18.12.2017
(54) TESSELLATING BLISTER PACKAGES FOR CONTACT LENSES	19.09.2019	(33) Germany
(73) CooperVision International Limited	(22) 13.03.2019	(51) B65G 54/02
(72) ALMOND, Sarah	(54) A MODULAR CONTAINER SYSTEM	F16B 17/00
ORTIZ, Carlos	(73) Modular Tanking Solutions (Mauritius) Ltd	H02K 41/03
ENGLISH, Stephen	(72) PROCTOR, Clint, Steel	(11) EP3156354
HUNT, Gary	(31) 2020593	(21) EP16181382.9
NELSON, Mike	(32) 15.03.2018	(47) 25.01.2023
BEARD, Russell	(33) Netherlands	(22) 27.07.2016
HARKIN, Thomas	(51) B65F 1/10	(54) HOLDER FOR CONNECTING ONE END OF A STATOR WITH ONE END OF ANOTHER STATOR IN A CONVEYING PATH
GAVELLE, Pauline	B65F 1/16	(73) B&R Industrial Automation GmbH
(31) 201962795309 P	(11) EP3689785	Krones AG
(32) 22.01.2019	(21) EP20154670.2	(72) Reinthaler, Michael
(33) United States of America	(47) 25.01.2023	Höck, Martin
(51) B65D 83/20	(22) 30.01.2020	Senn, Konrad
B65D 83/38	(54) OPENING APPARATUS FOR A WASTE CONTAINER	Neubauer, Michael
B65D 50/00	(73) Uniflotte S.r.l.	Elsperger, Stefan
B65D 55/02	(72) CALABRESE, Guglielmo	(31) 506772015
B65D 49/00	(31) 202000001558	(32) 28.07.2015
B65D 83/62	201900001591	(33) Austria
B65D 83/44	(32) 28.01.2020	(51) B65G 65/00
(11) EP3456657	04.02.2019	B21D 43/00
(21) EP17199221.7	(33) Italy	B21F 23/00
(47) 25.01.2023	Italy	(11) EP3665106
(22) 30.10.2017	(51) B65F 1/16	(21) EP18799877.8
(54) AEROSOL DISPENSER HAVING A CAP TO PREVENT VALVE REMOVAL	(11) EP3865427	(47) 25.01.2023
(73) The Procter & Gamble Company	(21) EP20382601.1	(87) IT2018050152
(72) FRANCKHAUSER, Andrew William	(47) 25.01.2023	14.02.2019
SMITH, Scott Edward	(22) 03.07.2020	(22) 09.08.2018
WEAVER, Kerry Lloyd	(54) UNLOCKING AND LOCKING MECHANISM FOR URBAN WASTE CONTAINER SWING LID	
MAGNESS, Robert Earl		

(54) APPARATUS AND METHOD FOR HANDLING BARS	2017127297	(54) WIRELESS POWER TRANSFER SYSTEM FOR ELEVATORS WITH EXTENDED RANGE
(73) M.E.P. Macchine Elettroniche Piegatrici S.p.A.	(32) 21.06.2018	(73) Otis Elevator Company
(72) DEL FABRO, Giorgio	29.06.2017	(72) DWARI, Suman
(31) 201700093087	(33) Japan	RAJAGOPALAN, Ajit
(32) 10.08.2017	Japan	SAVULAK, Stephen
(33) Italy	(51) B66B 1/34	DJUKNIC, Goran
(51) B65H 16/02	(11) EP3838825	CHANNAGOWDA, Parikshith B
B65H 16/10	(21) EP19219108.8	MANES, Enrico
B65H 23/16	(47) 25.01.2023	(31) 201862779511 P
B65H 23/04	(22) 20.12.2019	(32) 14.12.2018
B65H 19/18	(54) EXTENSION SENSOR FOR A POSITION MEASURING BELT OF AN ELEVATOR	(33) United States of America
B65B 41/18	(73) Cedes AG	(51) B66B 7/06
B65B 57/04	(72) Hardegger, Martin	(11) EP3608277
B65B 51/16	Hagen, Stefan	(21) EP19190338.4
B65B 41/16	(51) B66B 5/00	(47) 25.01.2023
B65B 9/10	(11) EP3599206	(22) 06.08.2019
B65B 9/073	(21) EP19188482.4	(54) ELEVATOR BELT WITH LAYERED LOAD BEARING ELEMENTS
B65B 9/067	(47) 25.01.2023	(73) Otis Elevator Company
(11) EP3632824	(22) 25.07.2019	(72) MA, Jun
(21) EP19201300.1	(54) METHOD AND APPARATUS FOR ELEVATORS TO DETECT CONCEALED OBJECT AND INFORM BUILDING MANAGEMENT SYSTEM	(31) 201816055596
(47) 25.01.2023	(73) OTIS Elevator Company	(32) 06.08.2018
(22) 03.10.2019	(72) GIREDDY, Jayapal Reddy	(33) United States of America
(54) BAG-MAKING AND PACKAGING MACHINE	GOENKALA, Devendar	(51) B66B 13/14
(73) ISHIDA CO., Ltd.	(31) 201811028021	B66B 1/24
(72) Shimoda, Takafumi	(32) 25.07.2018	(11) EP3736239
Tong, Yuchuan	(33) India	(21) EP19215019.1
Nagashima, Ryota	(51) B66B 5/00	(47) 25.01.2023
(31) 2018189572	(11) EP3498649	(22) 10.12.2019
(32) 04.10.2018	(21) EP18211784.6	(54) SELF-TUNING DOOR TIMING PARAMETERS
(33) Japan	(47) 25.01.2023	(73) Otis Elevator Company
(51) B65H 16/06	(22) 11.12.2018	(72) HSU, Arthur
(11) EP3666699	(54) INSPECTION AND MAINTENANCE SYSTEM FOR ELEVATORS	(31) 201916404074
(21) EP19315158.6	(73) Otis Elevator Company	(32) 06.05.2019
(47) 25.01.2023	(72) SHAH, Mahesh N.	(33) United States of America
(22) 10.12.2019	(31) 201711044637	(51) B66B 23/02
(54) COIL LIFTING DEVICE AND ASSOCIATED COIL UNWINDER	(32) 12.12.2017	G01L 5/04
(73) Additif	(33) India	(11) EP3670419
(72) Pourchet, Jean-Yves	(51) B66B 5/00	(21) EP18213959.2
Pourchet, Bernard	(11) EP3666710	(47) 25.01.2023
(31) 1872649	(21) EP19216275.8	(22) 19.12.2018
(32) 11.12.2018	(47) 25.01.2023	(54) METHOD AND DEVICE FOR MONITORING CHAIN TENSION
(33) France	(22) 13.12.2019	(73) Otis Elevator Company
(51) B65H 16/06	(54) SAFETY SYSTEM BASED ON HOISTWAY ACCESS DETECTION	(72) PARK, Chan-Jong
B65H 16/10	(73) OTIS Elevator Company	(51) B66C 21/00
F16D 3/04	(72) GENTILE, Giacomo	B66C 11/16
(11) EP3613686	MARTINTONI, Davide	B66D 1/26
(21) EP18189963.4	MANICA, Luca	B66D 1/20
(47) 25.01.2023	ROCCHETTO, Marco	B66C 9/02
(22) 21.08.2018	SENNI, Valerio	B66C 11/24
(54) ROLL HOLDER ASSEMBLY FOR LOADING MEDIA ROLLS IN WIDE FORMAT PRINTERS	MANES, Enrico	B66C 9/18
(73) Canon Production Printing Holding B.V.	(31) 201862779499 P	B66D 1/12
(72) PHILIPSE, Hermanus J.P.M.	(32) 14.12.2018	B66D 1/22
(51) B66B 1/24	(33) United States of America	A01G 23/00
(11) EP3424856	(51) B66B 7/00	B61B 7/02
(21) EP18180541.7	(11) EP3666714	(11) EP3810541
(47) 25.01.2023	(21) EP19215400.3	(21) EP19731976.7
(22) 28.06.2018	(47) 25.01.2023	(47) 25.01.2023
(54) ELEVATOR CONTROL APPARATUS AND ELEVATOR CONTROL METHOD	(22) 11.12.2019	(87) EP2019065965
(73) CANON KABUSHIKI KAISHA		26.12.2019
(72) SHINOHE, Koji		(22) 18.06.2019
(31) 2018117674		(54) UNIVERSAL CARRIAGE WITH ENFORCED SPOOLING OUT OF THE TRACTION CABLE AND/OR OF THE

HOISTING CABLE IN 2- AND 3-CABLE OPERATION	(54) INDUSTRIAL TRUCK	(72) Klenk, Christoph
(73) MM Forsttechnik GmbH	(73) STILL GmbH	Hausladen, Wolfgang
(72) VERWANGER, Peter	(72) BULLERMANN, Björn	(31) 102009040363
EHRENHÖFER, Willibald	VOSS, Michael	(32) 07.09.2009
(31) 504892018	(31) 102017116626	(33) Germany
(32) 19.06.2018	(32) 24.07.2017	(51) C01B 3/34
(33) Austria	(33) Germany	C21B 13/00
(51) B66D 1/00	(51) B66F 9/22	C10G 2/00
B66D 3/20	(11) EP3936470	A47J 37/06
B66D 5/22	(21) EP21181370.4	(11) EP3303217
F16D 55/36	(47) 25.01.2023	(21) EP16736914.9
F16D 59/00	(22) 24.06.2021	(47) 25.01.2023
(11) EP3715312	(54) HYDRAULIC LIFT DRIVE FOR A	(87) IB2016053141
(21) EP19214936.7	MOBILE WORKING MACHINE	08.12.2016
(47) 25.01.2023	(73) STILL GmbH	(22) 27.05.2016
(22) 10.12.2019	(72) SCHWAB, Markus	(54) PROCESS FOR THE SYNTHESIS OF
(54) AUTOMATIC LOAD BRAKE HAVING	(31) 102020118139	A REDUCING GASEOUS MIXTURE
WEAR-INDUCED LOCKING	(32) 09.07.2020	STARTING FROM A HYDROCARBON
MECHANISM	(33) Germany	STREAM AND CARBON DIOXIDE
(73) Goodrich Corporation	(51) B66F 9/22	(73) Szego, Eduardo Luigi
(72) MAGHSOODI, Bejan	B66F 9/24	Derudi, Marco
LIMAS, Zachary	B66F 9/075	(72) Szego, Eduardo Luigi
(31) 201916369968	B66F 17/00	Derudi, Marco
(32) 29.03.2019	B66F 9/16	(31) UB20150548
(33) United States of America	(11) EP3909909	(32) 29.05.2015
(51) B66F 9/075	(21) EP21169375.9	(33) Italy
B62D 51/02	(47) 25.01.2023	(51) C01B 3/56
B62D 1/187	(22) 20.04.2021	B01D 53/047
B62D 1/184	(54) INDUSTRIAL TRUCK AND METHOD	B01D 53/053
(11) EP3505485	FOR MONITORING THE EFFICIENT	(11) EP3597592
(21) EP18210615.3	PARKING OF AN INDUSTRIAL TRUCK	(21) EP18768092.1
(47) 25.01.2023	(73) Linde Material Handling GmbH	(47) 25.01.2023
(22) 06.12.2018	(72) Francois, Yves-Jocelyn	(87) JP2018010134
(54) INDUSTRIAL TRUCK WITH A DRIVER'S	Baumgartl, Fabian	20.09.2018
WORKPLACE, IN PARTICULAR	(31) 102020111678	(22) 15.03.2018
A DRIVER'S STAND, AND AN	(32) 29.04.2020	(54) PRESSURE SWING ADSORPTION
OPERATING DEVICE IN THE FORM OF	(33) Germany	HYDROGEN MANUFACTURING
A STEERING WHEEL	(51) B67C 3/08	APPARATUS
(73) STILL S.p.A.	(11) EP3650402	(73) Osaka Gas Co., Ltd.
(72) AGOSTI, Stefano	(21) EP19202253.1	(72) ASONUMA Hidaka
MARIOTTI, Fabio	(47) 25.01.2023	SHIMIZU Tsubasa
(31) 102018104307	(22) 09.10.2019	(31) 2017051668
102017130918	(54) METHOD FOR COUNTERPRESSURE	(32) 16.03.2017
(32) 26.02.2018	FILLING OF CONTAINERS	(33) Japan
21.12.2017	AND FILLING SYSTEM OF A	(51) C01B 6/02
(33) Germany	COUNTERPRESSURE FILLING	C01B 3/00
Germany	DEVICE	(11) EP2791053
(51) B66F 9/075	(73) KRONES Aktiengesellschaft	(21) EP12805737.9
B66F 9/12	(72) MUELLER, Holger	(47) 25.01.2023
B66F 9/24	SOELLNER, Juergen	(87) GB2012053148
(11) EP3434640	(31) 102018219119	20.06.2013
(21) EP18181062.3	(32) 09.11.2018	(22) 14.12.2012
(47) 25.01.2023	(33) Germany	(54) NOVEL METAL HYDRIDES AND
(22) 02.07.2018	(51) B67C 7/00	THEIR USE IN HYDROGEN STORAGE
(54) INDUSTRIAL TRUCK	B29C 49/36	APPLICATIONS
(73) STILL GmbH	B29C 49/00	(73) USW Commercial Services Ltd.
(72) BULLERMANN, Björn	B29C 49/24	(72) ANTONELLI, David
VOSS, Michael	B29C 49/42	(31) 201261621221 P
(31) 102017116625	B29C 49/64	201161570977 P
(32) 24.07.2017	B65C 9/06	(32) 06.04.2012
(33) Germany	B65G 47/84	15.12.2011
(51) B66F 9/075	(11) EP2292550	(33) United States of America
B66F 9/24	(21) EP10171692.6	United States of America
(11) EP3514103	(47) 25.01.2023	(51) C01B 15/023
(21) EP18181069.8	(22) 03.08.2010	(11) EP3915933
(47) 25.01.2023	(54) Device and method for manufacturing	(21) EP21173636.8
(22) 02.07.2018	plastic bottles	(47) 25.01.2023
	(73) Krones AG	(22) 12.05.2021

(54) DEVICE AND PROCESS FOR PRODUCING HYDROGEN PEROXIDE BY AN ANTHRAQUINONE PROCESS	C01B 3/52	19.11.2020
(73) Evonik Operations GmbH	(11) EP3541751	(22) 12.05.2020
(72) Seidel, Nils Henning	(21) EP17807742.6	(54) POSITIVE ELECTRODE ACTIVE MATERIAL FOR SECONDARY BATTERY, METHOD FOR PREPARING SAME, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
Kamp, Johannes	(47) 25.01.2023	(73) LG CHEM, LTD.
Glenneberg, Jürgen	(87) EP2017079053	(72) EOM, Jun Ho
Panz, Christian	24.05.2018	LIM, Chae Jin
Arévalo Saade, Eduardo Federico	(22) 13.11.2017	JUNG, Ji Hun
Mangalapally, Hari Prasad	(54) METHOD FOR PRODUCING AMMONIA AND UREA IN A COMMON FACILITY	AHN, Dong Joon
(31) 20177047	(73) thyssenkrupp Industrial Solutions AG	MOK, Duck Gyun
(32) 28.05.2020	thyssenkrupp AG	(31) 20190055799
(33) European Patent Office (EPO)	(72) JOHANNING, Joachim	(32) 13.05.2019
(51) C01B 23/00	MAKHYNIA, Yevgeny	(33) Korea (Republic)
C01B 21/26	(31) 102016122374	(51) C02F 1/44
F25J 3/02	(32) 21.11.2016	B01D 61/06
(11) EP3645457	(33) Germany	B01D 61/12
(21) EP18732061.9	(51) C01G 25/00	F16K 17/06
(47) 25.01.2023	C01G 25/02	F16K 31/00
(87) EP2018066093	(11) EP3040309	(11) EP3841066
03.01.2019	(21) EP14854240.0	(21) EP19723170.7
(22) 18.06.2018	(47) 25.01.2023	(47) 25.01.2023
(54) PROCESS FOR ARGON AND NITROGEN PRODUCTION	(87) JP2014072903	(87) GB2019051208
(73) Casale SA	23.04.2015	27.02.2020
(72) COLMEGNA, Giacomo	(22) 01.09.2014	(22) 01.05.2019
(31) 17177996	(54) ZIRCONIUM OXIDE-TITANIUM OXIDE COMPOSITE SOL AND PRODUCTION METHOD THEREOF	(54) DESALINATION SYSTEM AND METHOD
(32) 27.06.2017	(73) Daiichi Kigenso Kagaku Kogyo Co., Ltd.	(73) The University of Birmingham
(33) European Patent Office (EPO)	(72) NISHIKAWA, Taku	(72) DAVIES, Philip Andrew
(51) C01B 32/949	(31) 2013217434	(31) 201813792
C04B 35/56	(32) 18.10.2013	(32) 23.08.2018
(11) EP3971137	(33) Japan	(33) United Kingdom
(21) EP20805683.8	(51) C01G 53/00	(51) C02F 1/44
(47) 25.01.2023	H01M 4/525	C02F 1/461
(87) JP2020017137	H01M 4/36	C02F 1/00
19.11.2020	H01M 4/505	C02F 1/46
(22) 21.04.2020	(11) EP3678236	(11) EP2989057
(54) TUNGSTEN CARBIDE POWDER	(21) EP19844230.3	(21) EP14726711.6
(73) SUMITOMO ELECTRIC INDUSTRIES, LTD.	(47) 25.01.2023	(47) 25.01.2023
(72) MICHIOUCHI, Masato	(87) JP2019029979	(87) GB2014051297
ONOKI, Takamasa	06.02.2020	30.10.2014
OKAMURA, Katsumi	(22) 31.07.2019	(22) 25.04.2014
FUDO, Takayuki	(54) POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERIES, POSITIVE ELECTRODE FOR LITHIUM SECONDARY BATTERIES, AND LITHIUM SECONDARY BATTERY	(54) ELECTRO-CHEMICAL FILTER APPARATUS
HAYASHI, Takehiko	(73) SUMITOMO CHEMICAL COMPANY, LIMITED	(73) PERMASCAND AB
(31) 2019090778	Tanaka Chemical Corporation	(72) DALE, Jason Jonathan
(32) 13.05.2019	(72) MURAKAMI Keita	(31) 201307442
(33) Japan	HONDA Yoshiaki	(32) 25.04.2013
(51) C01B 33/107	(31) 2018145007	(33) United Kingdom
(11) EP3966164	(32) 01.08.2018	(51) C02F 11/18
(21) EP20707040.0	(33) Japan	D21H 17/01
(47) 25.01.2023	(51) C01G 53/00	B01J 19/12
(87) EP2020054490	H01M 4/525	(11) EP3854758
26.08.2021	H01M 4/62	(21) EP18938928.1
(22) 20.02.2020	H01M 4/36	(47) 25.01.2023
(54) PROCESS FOR THE PRODUCTION OF HEXACHLOROSILANE BY REACTION OF AT LEAST ONE PARTIALLY HYDROGENATED CHLOROSILANE ON A SOLID, UNFUNCTIONALIZED ADSORBER	H01M 10/052	(87) CN2018117659
(73) Wacker Chemie AG	H01M 4/131	07.05.2020
(72) KNOTH, Jens Felix	H01M 10/0525	(22) 27.11.2018
PÄTZOLD, Uwe	H01M 4/02	(54) PRETREATMENT DEVICE AND PROCESS FOR PAPER PRODUCT FILLER
STRASSER, Monika	(11) EP3939939	(73) Jiangnan University
(51) C01C 1/04	(21) EP20806727.2	(72) SUN, Hao
C07C 273/04	(47) 25.01.2023	WANG, Tingting
C07C 273/10	(87) KR2020006223	GAO, Xinyu
		LU, Lijing

LI, Danyang	06.12.2018	C05F 17/10
(31) 201811287113	(22) 31.05.2018	C05F 17/30
(32) 31.10.2018	(54) SINGLE-COMPONENT EPOXY RESIN	C05F 17/70
(33) China	CEMENT MORTAR	C05F 17/90
(51) C03B 5/235	(73) Sika Technology AG	C05F 5/00
(11) EP3241808	(72) W RMLI, Fabio	C05G 1/00
(21) EP17174799.1	MOSER, Thomas	C05G 5/23
(47) 25.01.2023	(31) 17173667	C05F 17/20
(22) 14.12.2007	(32) 31.05.2017	C05F 17/80
(54) COMBUSTION METHOD FOR GLASS	(33) European Patent Office (EPO)	(11) EP3919465
MELTING	(51) C04B 28/14	(21) EP21020273.5
(73) ENGIE	B28B 15/00	(47) 25.01.2023
(72) WARD, John	B28B 23/00	(22) 22.05.2021
FRICKER, Neil	B28C 9/00	(54) OBTAINING IMPROVED WATER
PONT, Richard Stanley	(11) EP3593971	FORTIFIER FROM BREWER'S YEAST
FERLIN, Thierry	(21) EP19020424.8	WATER
MAUREL, Stéphane	(47) 25.01.2023	(73) Adobs I Innovació Fitovegetal Hortus
(31) 0655571	(22) 09.07.2019	Natura S.L.
(32) 15.12.2006	(54) PRODUCTION LINE FOR	(72) LARROSA PADRÓ, Marta
(33) France	BUILDING PANELS FOR INTERIOR	(31) 202016885584
(51) C03B 33/02	CONSTRUCTION OF RESIDENTIAL	(32) 28.05.2020
B23K 26/00	AND INDUSTRIAL PREMISES	(33) United States of America
B23K 26/08	(73) Andreevska - Djambazova, Evgenia	(51) C07C 1/24
C03B 33/095	Georgieva	C07C 11/09
B23K 26/53	(72) Andreevska - Djambazova, Evgenia	(11) EP3652136
B23K 26/0622	Georgieva	(21) EP18735600.1
B23K 103/00	(31) 406418	(47) 25.01.2023
(11) EP3402755	(32) 11.07.2018	(87) EP2018068613
(21) EP16831565.3	(33) Bulgaria	17.01.2019
(47) 25.01.2023	(51) C04B 35/628	(22) 10.07.2018
(87) EP2016002184	C23C 16/44	(54) METHOD FOR DEHYDRATING
20.07.2017	C23C 16/02	ALCOHOLS TO OBTAIN OLEFINS,
(22) 28.12.2016	C23C 16/511	INVOLVING A STEP OF CATALYST
(54) LASER FILAMENTATION	C23C 18/14	SELECTION
(73) Zwiessel Kristallglas AG	C23C 18/12	(73) IFP Energies nouvelles
(72) LESCHKE, Klaus	C04B 41/45	Total Research & Technology Feluy
RÖCK, Gerhard	(11) EP3732150	(72) ARIBERT, Nicolas
BREDL, Tobias	(21) EP18833977.4	COUPARD, Vincent
(31) 102016000184	(47) 25.01.2023	MOUNIER, Julie
(32) 11.01.2016	(87) FR2018053382	NESTERENKO, Nikolai
(33) Germany	04.07.2019	THILLE, Christophe
(51) C03B 35/24	(22) 18.12.2018	(31) 1756515
C03B 23/03	(54) PROCESS FOR DEPOSITING A	(32) 10.07.2017
C03B 23/035	COATING ON SHORT FIBRES BY	(33) France
C03B 35/16	CALEFACTION	(51) C07C 7/17
(11) EP3538498	(73) Safran Ceramics	C07C 7/148
(21) EP17798304.6	Centre National de la Recherche	C07C 11/107
(47) 25.01.2023	Scientifique	C07C 2/06
(87) GB2017053414	UNIVERSITE DE BORDEAUX	(11) EP3917902
17.05.2018	(72) DELEHOUZE, Arnaud	(21) EP20702014.0
(22) 13.11.2017	PETIBON, Fanny	(47) 25.01.2023
(54) METHOD OF SHAPING A GLASS	(31) 1763216	(87) EP2020051988
SHEET AND GLASS SHAPING LINE	(32) 26.12.2017	06.08.2020
UTILIZED THEREIN	(33) France	(22) 28.01.2020
(73) Pilkington Group Limited	(51) C04B 41/89	(54) METHOD FOR MANUFACTURING
(72) BOISSELLE, Robert J.	(11) EP3976555	ALPHA OLEFINS
TOMIK, John Stephan	(21) EP19742255.3	(73) Linde GmbH
(31) 201662421041 P	(47) 25.01.2023	(72) WINKLER, Florian
(32) 11.11.2016	(87) TR2019050413	SCHNEIDER, Richard
(33) United States of America	03.12.2020	MÜNDL, Florian
(51) C04B 24/28	(22) 31.05.2019	(31) 19154007
C08G 59/50	(54) CERAMIC PRODUCT HAVING ANTI-	(32) 28.01.2019
C08L 63/00	SLIP SURFACE	(33) European Patent Office (EPO)
C08G 59/18	(73) Decoppo Seramik Teknolojileri A.S.	(51) C07C 29/141
(11) EP3630697	(72) KARA, Ferhat	C07C 29/80
(21) EP18726509.5	(51) C05D 5/00	C07C 45/82
(47) 25.01.2023	C05F 1/00	C07C 31/12
(87) EP2018064367	C05F 1/02	C07C 31/125

C07C 47/02	(47) 25.01.2023	(32) 19.12.2018
C07C 29/17	(22) 08.07.2014	(33) China
(11) EP3774705	(54) DIHYDROXYPHENYL	(51) C07D 231/06
(21) EP19718826.1	NEUROTRANSMITTER COMPOUNDS,	C07D 401/12
(47) 25.01.2023	COMPOSITIONS AND METHODS	A61P 1/16
(87) GB2019051046	(73) Auspex Pharmaceuticals, Inc.	A61P 3/04
17.10.2019	The U.S.A. as represented by the	A61P 3/06
(22) 11.04.2019	Secretary, Department of Health and	A61P 3/10
(54) PROCESS FOR MAKING A FEED OF	Human Services	A61P 9/10
NORMAL BUTANOL, ISO-BUTANOL	(72) GOLDSTEIN, David, S.	A61P 13/12
AND 2-ALKYL ALKANOL	HOLMES, Courtney	A61P 19/06
(73) Johnson Matthey Davy Technologies	ALKEN, Rudolf-Giesbert	A61K 31/415
Limited	SCHNEIDER, Frank	A61K 31/4155
(72) ARCHIBALD, Fraser	ZHANG, Chengzhi	(11) EP3140288
LORD, Adrian	(31) 201462010098 P	(21) EP15728668.3
SMIDT, Martin	201361843549 P	(47) 25.01.2023
WELCH, David	(32) 10.06.2014	(87) US2015029946
(31) 201806127	08.07.2013	12.11.2015
(32) 13.04.2018	(33) United States of America	(22) 08.05.2015
(33) United Kingdom	United States of America	(54) PYRAZOLE DERIVATIVES AND THEIR
(51) C07C 51/43	(51) C07C 271/44	USE AS CANNABINOID RECEPTOR
C07C 51/487	C07C 319/06	MEDIATORS
C07C 51/47	C07C 319/12	(73) The U.S.A. as represented by the
C07C 55/02	C07C 319/24	Secretary, Department of Health and
C07C 55/14	C07C 321/28	Human Services
C07C 55/20	C07C 269/00	(72) KUNOS, George
C07C 55/21	C07C 319/22	IYER, Malliga
(11) EP3939958	C07C 323/20	CINAR, Resat
(21) EP21179462.3	(11) EP3760613	RICE, Kenner, C.
(47) 25.01.2023	(21) EP19760088.5	(31) 201461991333 P
(22) 15.06.2021	(47) 25.01.2023	(32) 09.05.2014
(54) PROCESS FOR THE PURIFICATION	(87) JP2019006674	(33) United States of America
OF ALIPHATIC DICARBOXYLIC ACIDS	06.09.2019	(51) C07D 233/86
PRODUCED BY BIOTECHNOLOGICAL	(22) 22.02.2019	C07B 59/00
PROCESSES	(54) METHOD FOR PRODUCING	A61K 31/4166
(73) Radici Chimica S.p.A.	MERCAPTOPHENOL COMPOUND AND	A61P 35/00
(72) MAESANI, Cristiano	INTERMEDIATE OF SAID COMPOUND	(11) EP3527556
ACCORINTI, Pasquale	(73) Kumiai Chemical Industry Co., Ltd.	(21) EP16919556.7
ALINI, Stefano	(72) SAMBAI Kazuhiro	(47) 25.01.2023
(31) 202000017368	(31) 2018033523	(87) CN2016110978
(32) 16.07.2020	(32) 27.02.2018	26.04.2018
(33) Italy	(33) Japan	(22) 20.12.2016
(51) C07C 51/47	(51) C07D 207/27	(54) METHOD FOR PREPARING
C07C 51/48	(11) EP3901137	DEUTERATED IMIDAZOLE DIKETONE
C07C 65/19	(21) EP19901084.4	COMPOUND
C07D 311/80	(47) 25.01.2023	(73) Hinova Pharmaceuticals Inc.
C07C 37/50	(87) CN2019124801	(72) CHEN, Yuanwei
C07C 39/23	25.06.2020	DU, Wu
(11) EP3823962	(22) 12.12.2019	KUANG, Tongtao
(21) EP19837651.9	(54) METHOD FOR PREPARING	GENG, Xi
(47) 25.01.2023	BRIVARACETAM AND INTERMEDIATE	(31) 201610901502
(87) IL2019050578	THEREOF	(32) 17.10.2016
23.01.2020	(73) Zhejiang Huahai Pharmaceutical Co.,	(33) China
(22) 22.05.2019	Ltd.	(51) C07D 307/68
(54) PROCESS FOR PURIFICATION OF	Shanghai Syncores Technologies Inc.	(11) EP3694842
CANNABINOIC ACIDS FROM PLANT	Ltd.	(21) EP18786724.7
MATERIAL EXTRACT	(72) FAN, Haisheng	(47) 25.01.2023
(73) AL&AM Pharmachem Ltd.	ZHAN, Yipeng	(87) EP2018077608
(72) AIZIKOVICH, Alexander	YIN, Kai	18.04.2019
(31) 201862700413 P	Ji, Xiang	(22) 10.10.2018
(32) 19.07.2018	LIU, Fenghao	(54) PROCESS FOR PREPARING 2,5-
(33) United States of America	SHI, Kaiqiang	FURANDICARBOXYLIC ACID
(51) C07C 229/08	GUO, Xiaowen	(73) Synphabase AG
C07C 229/22	HUANG, Luning	(72) KASTL, Robert
A61K 31/223	TAO, Anping	KAUFMANN, Elias
A61P 25/00	AN, Jianguo	BODENMÜLLER, Arthur
(11) EP3611159	GU, Hong	SEDELMEIER, Gottfried
(21) EP19188210.9	(31) 201811558017	(31) 102017123797

(32) 12.10.2017	(72) GRICE, Cheryl A.	A61P 13/00
(33) Germany	WIENER, John J. M.	A61P 25/28
(51) C07D 311/04	WEBER, Olivia D.	A61P 25/18
C07D 493/04	DUNCAN, Katharine K.	A61P 25/30
(11) EP3770150	(31) 201762510213 P	A61P 11/06
(21) EP20186794.2	(32) 23.05.2017	A61P 25/10
(47) 25.01.2023	(33) United States of America	(11) EP3768669
(22) 20.07.2020	(51) C07D 401/12	(21) EP19716666.3
(54) METHOD FOR MANUFACTURING	A61K 31/675	(47) 25.01.2023
CHROMENES BY COPPER SALT	A61K 31/505	(87) US2019023916
CATALYSIS INTENDED FOR THE	A61P 35/00	26.09.2019
PREPARATION OF HEAT-SETTING	A61K 31/506	(22) 25.03.2019
RESINS	C07D 239/48	(54) PIPERAZINE AZASPIRO DERIVATES
(73) ArianeGroup SAS	C07D 401/14	(73) Pfizer Inc.
CENTRE NATIONAL DE LA	C07D 403/12	(72) ZHANG, Lei
RECHERCHE SCIENTIFIQUE	C07D 409/04	LACHAPPELLE, Erik, Alphonse
(C.N.R.S.)	C07D 417/14	BUTLER, Christopher, Ryan
Université De Reims Champagne-	C07D 471/06	KABLAOU, Natasha, Mariam
Ardenne	C07F 9/6512	BRODNEY, Michael, Aaron
(72) POUYET, Robin	C07F 9/6558	MCALLISTER, Laura, Ann
COQUERET, Xavier	C07D 409/14	YANG, Qingyi
DEFOORT, Brigitte	(11) EP3656769	HELAL, Christopher, John
RIVIERES, Bastien	(21) EP18834412.1	WEBB, Damien
(31) 1908323	(47) 25.01.2023	(31) 201862647106 P
(32) 23.07.2019	(87) CN2018096344	(32) 23.03.2018
(33) France	24.01.2019	(33) United States of America
(51) C07D 401/04	(22) 19.07.2018	(51) C07D 403/12
C07D 403/04	(54) ARYL-PHOSPHORUS-OXYGEN	C07D 233/90
C07D 405/04	COMPOUND AS EGFR KINASE	C07D 403/06
C07D 409/04	INHIBITOR	C07D 405/12
C07D 417/04	(73) Chia Tai Tianqing Pharmaceutical Group	C07D 417/06
A61K 31/53	Co., Ltd.	C07D 417/14
C07D 251/34	(72) WU, Lingyun	C07D 263/34
A61P 25/00	LIU, Xile	C07D 277/56
A61P 25/24	DING, Charles Z.	(11) EP3504198
A61P 25/16	CHEN, Shuhui	(21) EP17761781.8
A61P 25/28	HU, Lihong	(47) 25.01.2023
(11) EP3759088	ZHAO, Lele	(87) US2017048880
(21) EP19710473.0	PAN, Wei	08.03.2018
(47) 25.01.2023	HU, Guoping	(22) 28.08.2017
(87) GB2019050523	LI, Jian	(54) HETEROCYCLIC COMPOUNDS AS
29.08.2019	ZHAO, Ning	IMMUNOMODULATORS
(22) 26.02.2019	ZHAO, Jun	(73) Incyte Corporation
(54) TRIAZINE DERIVATIVES FOR	(31) 201810355614	(72) MEI, Song
TREATING DISEASES RELATING TO	201810130633	WU, Liangxing
NEUROTROPHINS	201711277584	ZHANG, Fenglei
(73) Alzecure Pharma AB	201710592778	YAO, Wenqing
(72) NORDVALL, Gunnar	(32) 19.04.2018	(31) 201662380599 P
FORSELL, Pontus	08.02.2018	(32) 29.08.2016
(31) 1850217	06.12.2017	(33) United States of America
201810667	19.07.2017	(51) C07D 405/14
(32) 26.02.2018	(33) China	C07D 401/04
28.06.2018	China	C07D 401/06
(33) Sweden	China	C07D 401/12
United Kingdom	China	C07D 403/04
(51) C07D 401/06	(51) C07D 401/14	C07D 403/06
A61K 31/4155	C07D 413/14	C07D 405/04
A61K 31/496	C07D 401/08	C07D 239/22
C07D 403/06	C07D 417/14	C07D 409/04
C07D 403/14	C07D 471/04	C07D 409/14
(11) EP3630744	C07D 491/107	C07D 413/04
(21) EP18806431.5	A61K 31/496	C07D 413/08
(47) 25.01.2023	A61K 31/497	C07D 417/04
(87) US2018033959	A61K 31/501	C07D 471/14
29.11.2018	A61K 31/506	C07D 491/048
(22) 22.05.2018	A61P 31/00	C07D 498/04
(54) PYRAZOLE MAGL INHIBITORS	A61P 11/00	C07D 513/10
(73) H. Lundbeck A/S	A61P 25/16	A61P 25/28

(11) EP3250035	A61K 31/5365	SHARMA, Sreevalli
(21) EP16783796.2	A61K 31/5377	NANDISHAIAH, Radha
(47) 25.01.2023	A61K 31/5386	RAMACHANDRAN, Vasanthi
(87) US2016028502	A61P 31/00	VENKATARAMAN, Balasubramanian
27.10.2016	(11) EP3774790	(31) 201741020214
(22) 20.04.2016	(21) EP19721148.5	(32) 08.06.2017
(54) COMPOUNDS AND THEIR USE AS	(47) 25.01.2023	(33) India
BACE1 INHIBITORS	(87) IN2019050252	(51) C07D 519/00
(73) Allgenesis Biotherapeutics Inc.	03.10.2019	A61K 31/495
(72) CHERUKURY, Madhu	(22) 28.03.2019	A61K 31/506
LIN, Hsiao-Wen	(54) OXAZOLIDINONE ANTIBIOTIC	A61P 33/06
YU, Shu Chieh	COMPOUNDS AND PROCESS OF	(11) EP3430017
PHANG, Riping	PREPARATION	(21) EP17767680.6
RAJAN, Yesudoss Christu	(73) Bugworks Research, Inc.	(47) 25.01.2023
TANG-LIU, Diane Dan-Shya	(72) PEER MOHAMED, Shahul Hameed	(87) US2017023085
WHITE, Andrew D.	BHARATHAM, Nagakumar	21.09.2017
BERESIS, Richard	KATAGIHALLIMATH, Nainesh	(22) 17.03.2017
MALONE, Thomas	SHARMA, Sreevalli	(54) COMPOSITIONS AND METHODS FOR
(31) 201662274791 P	NANDISHAIAH, Radha	TREATING PARASITIC DISEASES
201562150715 P	RAMACHANDRAN, Vasanthi	(73) The Regents of the University of
(32) 05.01.2016	(31) 201841011765	California
21.04.2015	(32) 28.03.2018	Washington University
(33) United States of America	(33) India	(72) SIBLEY, Laurence, David
United States of America	(51) C07D 471/04	JANETKA, James, W.
(51) C07D 413/04	A61K 31/437	RUTAGANIRA, Florentine
C07D 271/10	A61P 35/00	SHOKAT, Kevan, M.
C07D 413/14	(11) EP3677582	(31) 201662309803 P
A61K 31/4245	(21) EP20156863.1	(32) 17.03.2016
A61K 31/506	(47) 25.01.2023	(33) United States of America
A61P 31/00	(22) 17.12.2015	(51) C07F 7/10
A61P 1/00	(54) SOLID STATE FORMS OF	C23C 16/24
A61P 25/00	FUSED HETEROAROMATIC	C23C 16/455
A61P 11/00	PYRROLIDINONES	H01L 21/02
A61P 3/00	(73) Calithera Biosciences Inc.	(11) EP3594219
A61P 21/00	(72) CHEN, Rongliang	(21) EP19194650.8
A61P 9/00	ICHIBAKASE, Tomonori	(47) 25.01.2023
A61P 35/00	MA, Chunrong	(22) 22.09.2014
A61P 17/00	MATTHEWS, Christopher	(54) ORGANOAMINOSILANE
A61P 5/00	MOTOYOSHI, Hajime	PRECURSORS AND METHODS FOR
A61P 27/02	O'BRYAN, Colin	DEPOSITING FILMS COMPRISING
(11) EP3362445	YAJI, Kentaro	SAME
(21) EP16855690.0	YOSHIKAWA, Naoki	(73) Versum Materials US, LLC
(47) 25.01.2023	(31) 201562180222 P	(72) O'Neill, Mark Leonard
(87) KR2016011355	201562115223 P	XIAO, Manchao
20.04.2017	201462093564 P	LEI, Xinjian
(22) 11.10.2016	(32) 16.06.2015	HO, Richard
(54) OXADIAZOLE AMINE DERIVATIVE	12.02.2015	CHANDRA, Haripin
COMPOUNDS AS HISTONE	18.12.2014	MACDONALD, Matthew R.
DEACETYLASE 6 INHIBITOR, AND THE	(33) United States of America	WANG, Meiliang
PHARMACEUTICAL COMPOSITION	United States of America	(31) 201414483751
COMPRISING THE SAME	United States of America	201361880261 P
(73) Chong Kun Dang Pharmaceutical Corp.	(51) C07D 498/04	(32) 11.09.2014
(72) KIM, Yuntae	A61K 31/5365	20.09.2013
LEE, Chang Sik	A61P 31/00	(33) United States of America
OH, Jung Taek	(11) EP3634968	United States of America
SONG, Hyeseung	(21) EP18734977.4	(51) C07H 15/14
CHOI, Jin	(47) 25.01.2023	A61K 31/351
LEE, Jaeyoung	(87) IN2018050381	A61K 31/381
(31) 20150142014	13.12.2018	A61P 31/0
(32) 12.10.2015	(22) 08.06.2018	(11) EP3712147
(33) Korea (Republic)	(54) HETEROCYCLIC COMPOUNDS	(21) EP19735712.2
(51) C07D 413/14	USEFUL AS ANTI-BACTERIAL AGENTS	(47) 25.01.2023
C07D 417/04	AND METHOD FOR PRODUCTION	(87) CN2019070336
C07D 417/14	THEREOF	11.07.2019
C07D 471/04	(73) Bugworks Research, Inc.	(22) 04.01.2019
C07D 498/04	(72) PEER MOHAMED, Shahul Hameed	(54) SGLTS INHIBITOR AND APPLICATION
A61K 31/536	BHARATHAM, Nagakumar	THEREOF
A61K 31/4985	KATAGIHALLIMATH, Nainesh	

(73) Shangdong Danhong Pharmaceutical Co., Ltd.	A61P 37/04	(22) 17.04.2014
(72) WU, Chengde	C12N 5/10	(54) METHODS AND COMPOSITIONS FOR THE TREATMENT AND/OR PROPHYLAXIS OF CLOSTRIDIUM DIFFICILE ASSOCIATED DISEASE
MAO, Qinghua	C12N 15/09	(73) Immuron Limited
LI, Yi	G01N 33/15	(72) LYRAS, Dena
YU, Tao	G01N 33/50	HUTTON, Melanie
CHEN, Shuhui	(11) EP3360886	CUNNINGHAM, Bliss
(31) 201810012284	(21) EP16853677.9	LI, Lucy
(32) 05.01.2018	(47) 25.01.2023	CARTER, Glen
(33) China	(87) JP2016079717	ROOD, Julian
(51) C07J 63/00	13.04.2017	(31) 2013901386
A61K 31/58	(22) 06.10.2016	(32) 19.04.2013
A61P 31/18	(54) FOXM1-DERIVED PEPTIDE, AND VACCINE INCLUDING SAME	(33) Australia
(11) EP3894424	(73) Oncotherapy Science, Inc.	(51) C07K 16/28
(21) EP19823817.2	(72) YAMASHITA, Sachiko	A61K 38/00
(47) 25.01.2023	HIKICHI, Tetsuro	A61K 39/00
(87) IB2019060564	(31) 2015200221	(11) EP3681910
18.06.2020	(32) 08.10.2015	(21) EP18782826.4
(22) 09.12.2019	(33) Japan	(47) 25.01.2023
(54) MESYLATE SALT OF AN AMINO-LUPANE COMPOUND WITH HIV MATURATION INHIBITORY ACTIVITY	(51) C07K 16/00	(87) US2018049451
(73) VIIV Healthcare UK(No.4) Limited	C07K 16/08	21.03.2019
(72) WOODS, Amy	C07K 16/22	(22) 05.09.2018
(31) 201962874557 P	C07K 16/40	(54) INTERLEUKIN-10 RECEPTOR-2 PEPTIDES, ANTIBODIES, COMPOSITIONS, AND METHODS OF USE THEREOF
201862777432 P	C07K 16/10	(73) Wisconsin Alumni Research Foundation
(32) 16.07.2019	(11) EP3356398	(72) ARENDT, Maria K.
10.12.2018	(21) EP16781314.6	(31) 201762557443 P
(33) United States of America	(47) 25.01.2023	(32) 12.09.2017
United States of America	(87) EP2016073524	(33) United States of America
(51) C07K 5/02	06.04.2017	(51) C08B 11/12
C07K 5/062	(22) 30.09.2016	C08K 5/3492
A61P 35/04	(54) A METHOD FOR DEVELOPMENT OF MONOCLONAL ANTIBODIES	C14C 3/26
(11) EP3464321	(73) Icosagen Cell Factory OÜ	(11) EP3475308
(21) EP17728528.5	(72) KIVI, Gaily	(21) EP17737212.5
(47) 25.01.2023	TEESALU, Kaupo	(47) 25.01.2023
(87) EP2017063699	PARIK, Jüri	(87) EP2017064720
14.12.2017	USTAV, Mart	28.12.2017
(22) 06.06.2017	MANNIK, Andres	(22) 15.06.2017
(54) PROTEASOME INHIBITORS	(31) 201562234927 P	(54) USE OF 2,4,6-SUBSTITUTED-1,3,5-TRIAZINES AND DERIVATIVE THEREOF AS CONDENSATION, CROSS-LINKING, TANNING, GRAFTING AND CURING AGENTS
(73) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	(32) 30.09.2015	(73) Crossing S.r.l.
(72) CHARL, Ashwin	(33) United States of America	(72) BEGHETTO, Valentina
STARK, Holger	(51) C07K 16/00	AGOSTINIS, Lodovico
SCHRADER, Jil	C12N 15/79	(31) UA20164602
HENNEBERG, Fabian	(11) EP2875047	(32) 22.06.2016
(31) 201662346203 P	(21) EP13729169.6	(33) Italy
16173057	(47) 25.01.2023	(51) C08B 37/08
(32) 06.06.2016	(87) US2013043116	(11) EP3981798
06.06.2016	05.12.2013	(21) EP21201721.4
(33) United States of America	(22) 29.05.2013	(47) 25.01.2023
European Patent Office (EPO)	(54) PRODUCTION CELL LINE ENHANCERS	(22) 08.10.2021
(51) C07K 7/06	(73) Regeneron Pharmaceuticals, Inc.	(54) MODIFIED CHITOSAN, PREPARATION METHOD THEREOF, AND ADDITIVE FOR TILE ADHESIVE AND USE THEREOF
A61K 35/12	(72) CHEN, Gang	(73) Shandong Eton New Material Co., Ltd.
A61K 35/17	BURAKOV, Darya	(72) TENG, Kun
A61K 38/00	DESHPANDE, Dipali	ZHAO, Ming
A61K 48/00	(31) 201261652549 P	TENG, Bo
A61P 1/04	(32) 29.05.2012	LI, Qinghua
A61P 1/16	(33) United States of America	(31) 202011076111
A61P 1/18	(51) C07K 16/12	
A61P 11/00	A61K 39/395	
A61P 13/08	A61K 39/40	
A61P 13/10	A61P 1/12	
A61P 13/12	A61P 31/04	
A61P 15/00	(11) EP2986316	
A61P 19/00	(21) EP14784945.9	
A61P 35/00	(47) 25.01.2023	
A61P 35/02	(87) AU2014000447	
	23.10.2014	

(32) 10.10.2020	NAKAMURA, Tetsuya	(51) C08F 236/10
(33) China	(31) 2014029449	B60C 1/00
(51) C08C 19/44	(32) 19.02.2014	C08F 210/00
C08C 19/25	(33) Japan	C08F 212/06
C08C 19/22	(51) C08F 8/50	C08L 9/00
C08F 36/04	C08F 114/26	C08L 23/00
C08F 2/06	(11) EP3733742	C08L 25/02
C08F 4/46	(21) EP19751304.7	C08L 47/00
C07F 7/18	(47) 25.01.2023	(11) EP3363832
C08F 236/10	(87) JP2019003987	(21) EP16855554.8
C08F 236/06	15.08.2019	(47) 25.01.2023
C08F 212/08	(22) 05.02.2019	(87) JP2016080616
C08F 4/48	(54) MANUFACTURING METHOD	20.04.2017
C08L 15/00	FOR LOW MOLECULAR WEIGHT	(22) 14.10.2016
C08K 3/36	POLYTETRAFLUOROETHYLENE, AND	(54) MULTI-COMPONENT COPOLYMER,
(11) EP3345941	POWDER	RUBBER COMPOSITION,
(21) EP17847760.0	(73) DAIKIN INDUSTRIES, LTD.	CROSSLINKED RUBBER
(47) 25.01.2023	(72) TSUJI, Masayuki	COMPOSITION, RUBBER PRODUCT,
(87) KR2017011554	YOSHIDA, Hirotooshi	AND TIRE
17.05.2018	(31) 2018020459	(73) Bridgestone Corporation
(22) 18.10.2017	(32) 07.02.2018	(72) KIMURA, Madoka
(54) MODIFIER, MODIFIED CONJUGATED	(33) Japan	YANAGISAWA, Aya
DIENE-BASED POLYMER AND	(51) C08F 212/34	OISHI, Shigeki
METHOD FOR PREPARING THE SAME	C09D 4/00	KAITA, Shojiro
(73) LG Chem, Ltd.	H01L 51/00	(31) 2015204478
(72) SON, Ki Seok	H01L 51/50	(32) 16.10.2015
(31) 20160151387	C08F 2/48	(33) Japan
(32) 14.11.2016	C08F 212/14	(51) C08F 257/02
(33) Korea (Republic)	(11) EP3670610	C08K 3/04
(51) C08F 8/14	(21) EP19810354.1	C08L 9/00
C08F 255/00	(47) 25.01.2023	C08L 51/00
C08F 8/32	(87) KR2019006509	C08F 279/02
C10M 149/02	05.12.2019	C08L 3/04
C10M 133/58	(22) 30.05.2019	C08F 290/04
C10M 145/02	(54) COATING COMPOSITION, ORGANIC	(11) EP3536723
C10M 129/95	LIGHT-EMITTING DIODE USING SAME,	(21) EP17866778.8
C08F 255/04	AND METHOD FOR PREPARING SAME	(47) 25.01.2023
C08F 222/06	(73) LG CHEM, LTD.	(87) JP2017039254
C08F 8/48	(72) KANG, Sungkyoung	11.05.2018
(11) EP2970523	SHIN, Hyeonah	(22) 31.10.2017
(21) EP14709783.6	KIM, Kwanghyun	(54) COPOLYMER RUBBER AND
(47) 25.01.2023	PARK, Youngju	METHOD FOR PRODUCING SAME,
(87) US2014016428	KIM, Hwakyung	AND CROSSLINKED RUBBER
09.10.2014	PARK, Hyungil	COMPOSITION
(22) 14.02.2014	BAE, Jaesoon	(73) NIPPON STEEL Chemical & Material
(54) DISPERSANT VISCOSITY MODIFIERS	LEE, Jaechol	Co., Ltd.
(73) The Lubrizol Corporation	LEE, Ho Gyu	(72) KURATOMI, Tadashi
(72) ZHANG, Yanshi	SEO, Seog Jae	KAWABE, Masanao
GIESELMAN, Matthew D.	(31) 20180061817	(31) 2016214717
PRESTON, Adam J.	(32) 30.05.2018	(32) 01.11.2016
(31) 201361777148 P	(33) Korea (Republic)	(33) Japan
(32) 12.03.2013	(51) C08F 220/14	(51) C08F 285/00
(33) United States of America	G02B 1/04	C09J 151/00
(51) C08F 8/46	B29C 45/00	C08F 2/38
C08F 255/02	(11) EP4041785	C08F 220/18
C08L 51/06	(21) EP21733149.5	(11) EP3464389
(11) EP3109264	(47) 25.01.2023	(21) EP17729589.6
(21) EP15752872.0	(87) EP2021067061	(47) 25.01.2023
(47) 25.01.2023	30.12.2021	(87) US2017033311
(87) JP2015054376	(22) 23.06.2021	30.11.2017
27.08.2015	(54) OPTICAL GRADE MOULDING	(22) 18.05.2017
(22) 18.02.2015	COMPOSITIONS HAVING INCREASED	(54) MULTI-STAGE POLYMER
(54) AQUEOUS DISPERSION COMPRISING	THERMAL STABILITY	COMPOSITION AND FILMS MADE
A GRAFT-MODIFIED PROPYLENE/ -	(73) Röhm GmbH	THEREFROM
OLEFIN COPOLYMER	(72) CARLOFF, Rüdiger	(73) Rohm and Haas Company
(73) Mitsui Chemicals, Inc.	(31) 20182498	(72) GUO, Hailan
(72) YOSHIMOTO, Koya	(32) 26.06.2020	(31) 201662340600 P
NAKANO, Hidetake	(33) European Patent Office (EPO)	(32) 24.05.2016

(33) United States of America	(87) JP2019010780	(54) POLYETHER POLYMERIZATION
(51) C08G 18/00	03.10.2019	PROCESS
C08G 18/42	(22) 15.03.2019	(73) Dow Global Technologies LLC
C08G 18/18	(54) EPOXY RESIN MODIFIED	(72) BABB, David A.
C09D 175/06	WITH POLYURETHANE IN LOW	MASY, Jean-Paul
C08L 75/06	CONCENTRATION, PRODUCTION	STEELMAN, David Keith
C09J 175/06	METHOD THEREFOR, EPOXY RESIN	(31) 201862783299 P
C08G 18/76	COMPOSITION, AND CURED OBJECT	(32) 21.12.2018
C08G 18/58	(73) NIPPON STEEL Chemical & Material	(33) United States of America
(11) EP3589669	Co., Ltd.	(51) C08G 65/26
(21) EP17754568.8	(72) YOKOYAMA Naoki	C08G 64/02
(47) 25.01.2023	NAKANISHI Tetsuya	C08G 64/34
(87) US2017045865	(31) 2018068144	C08G 18/42
07.09.2018	(32) 30.03.2018	(11) EP3538588
(22) 08.08.2017	(33) Japan	(21) EP17807977.8
(54) ISOCYANATE-MODIFIED POLYESTER- EPOXIDE POLYMER COMPOSITIONS	(51) C08G 59/50	(47) 25.01.2023
(73) Stepan Company	C08G 59/56	(87) US2017060748
(72) KAPLAN, Warren A.	C08G 18/50	17.05.2018
WESTFALL, Jennifer S.	C08G 18/66	(22) 09.11.2017
(31) 201762466034 P	(11) EP3577151	(54) POLYCARBONATE BASED POLYOLS
(32) 02.03.2017	(21) EP18747816.9	(73) Dow Global Technologies LLC
(33) United States of America	(47) 25.01.2023	(72) NIKBIN, Nima N.
(51) C08G 18/48	(87) US2018016803	BABB, David A.
C08G 18/63	09.08.2018	(31) 201662434664 P
C08G 18/64	(22) 05.02.2018	201662420918 P
C08G 18/76	(54) CURING AGENT FOR EPOXY RESINS	(32) 15.12.2016
C08G 18/16	(73) Huntsman Petrochemical LLC	11.11.2016
C08G 18/18	(72) SU, Wei-Yang	(33) United States of America
C08G 18/20	ZHOU, Hui	United States of America
C08G 18/24	(31) 201762455018 P	(51) C08G 65/36
C08G 18/28	(32) 06.02.2017	C08G 6/00
C08G 101/00	(33) United States of America	H01G 9/20
(11) EP3765540	(51) C08G 65/24	(11) EP3519480
(21) EP19712478.7	C25D 3/38	(21) EP17790863.9
(47) 25.01.2023	H05K 3/18	(47) 25.01.2023
(87) US2019021412	H05K 3/42	(87) NL2017050651
19.09.2019	C08L 71/03	05.04.2018
(22) 08.03.2019	C25D 7/12	(22) 29.09.2017
(54) VISCOELASTIC FOAM	C08G 65/333	(54) PROCESS FOR THE MODIFICATION
(73) Dow Global Technologies LLC	H01L 21/288	OF HUMINS
(72) MENG, Qinghao	H01L 21/768	(73) Furanix Technologies B.V
THIEDE, Christopher	H01L 21/48	(72) MIJA, Alice Cristina
AOU, Kaoru	(11) EP3414277	VAN DER WAAL, Jan Cornells
DELK, Van	(21) EP17750557.5	DE JONG, Edserd
CHARON, Jillian	(47) 25.01.2023	VAN KLINK, Gerardus Petrus Maria
TODD, Doug	(87) US2017014651	(31) 2017547
SNYDER, Scott	17.08.2017	(32) 29.09.2016
(31) 201862642355 P	(22) 24.01.2017	(33) Netherlands
(32) 13.03.2018	(54) LEVELER COMPOSITIONS FOR	(51) C08G 69/04
(33) United States of America	USE IN COPPER DEPOSITION	C08G 69/28
(51) C08G 59/14	IN MANUFACTURE OF	C08G 69/36
C08G 18/00	MICROELECTRONICS	(11) EP3230343
C08G 18/12	(73) MacDermid Enthone Inc.	(21) EP15823623.2
C08G 18/40	(72) PANECCASIO, Vincent	(47) 25.01.2023
C08G 18/65	WHITTEN, Kyle	(87) FR2015053389
C08G 59/20	RICHARDSON, Thomas, B.	16.06.2016
C08G 59/44	LI, Ivan	(22) 09.12.2015
C08G 18/48	(31) 201662294643 P	(54) SEMI-AROMATIC POLYAMIDE
C08G 18/58	(32) 12.02.2016	PREPARATION METHOD
C08G 18/76	(33) United States of America	(73) Arkema France
C08G 59/22	(51) C08G 65/26	(72) ALZONNE, Nicolas
C08G 59/28	B01J 27/26	BRIFFAUD, Thierry
C08G 59/24	(11) EP3898768	(31) 1462304
C08G 59/40	(21) EP19832257.0	(32) 12.12.2014
(11) EP3778691	(47) 25.01.2023	(33) France
(21) EP19777380.7	(87) US2019065596	(51) C08G 69/26
(47) 25.01.2023	25.06.2020	C08L 77/06
	(22) 11.12.2019	C08K 3/22

C08K 3/38	(21) EP18915779.5	(31) 2018076042
C08K 3/013	(47) 25.01.2023	(32) 11.04.2018
C08K 5/20	(87) CN2018111452	(33) Japan
C08K 5/5313	12.03.2020	(51) C08K 3/34
C08K 3/34	(22) 23.10.2018	(11) EP3430078
C08K 5/00	(54) METHOD FOR PREPARING FOAMED	(21) EP17717265.7
C08K 7/14	PRODUCT OF MOLDLESS THREE-	(47) 25.01.2023
(11) EP3684839	DIMENSIONAL STRUCTURE BY	(87) US2017022293
(21) EP18766548.4	MEANS OF SUPERCRITICAL FLUID	21.09.2017
(47) 25.01.2023	(73) Guangdong Speed New Material	(22) 14.03.2017
(87) US2018048692	Technology Co., Ltd	(54) METAL-BASED HYDROGEN SULFIDE
28.03.2019	(72) FENG, Yunping	SCAVENGER AND METHOD OF
(22) 30.08.2018	(31) 201811035299	PREPARING SAME
(54) FLAME RETARDANT POLYAMIDE	(32) 06.09.2018	(73) Baker Hughes Holdings LLC
COMPOSITIONS	(33) China	(72) SONG, Jingshe
(73) DUPONT POLYMERS, INC.	(51) C08J 9/28	GU, Zhenning
(72) MATHEW, Annakutty	C08J 9/26	(31) 201662308071 P
NOZAKI, Masahiro	H01G 11/52	(32) 14.03.2016
(31) 201762561337 P	H01M 10/04	(33) United States of America
(32) 21.09.2017	H01M 50/103	(51) C08L 9/00
(33) United States of America	(11) EP3632972	B60C 1/00
(51) C08G 77/12	(21) EP18805698.0	C08K 3/36
C08G 77/20	(47) 25.01.2023	C08L 7/00
C08L 83/04	(87) JP2018020248	C08L 71/02
C08G 77/00	29.11.2018	C08L 9/06
(11) EP3559089	(22) 25.05.2018	(11) EP3816220
(21) EP19715225.9	(54) POLYOLEFIN MICROPOROUS	(21) EP19826088.7
(47) 25.01.2023	MEMBRANE, SEPARATOR FOR	(47) 25.01.2023
(87) IB2019051977	ELECTRICITY STORAGE DEVICES,	(87) JP2019025642
19.09.2019	AND ELECTRICITY STORAGE DEVICE	02.01.2020
(22) 12.03.2019	(73) Asahi Kasei Kabushiki Kaisha	(22) 27.06.2019
(54) DISPENSABLE CHEMICAL	(72) FUKUNAGA, Yuki	(54) RUBBER COMPOSITION
COMPOSITION WITH HIGH AMOUNT	SEKIGUCHI, Manabu	(73) The Yokohama Rubber Co., Ltd.
OF FILLER MATERIALS AND LOW	(31) 2017104586	ADEKA CORPORATION
THIXOTROPIC INDEX LEVELS	(32) 26.05.2017	(72) KAZARIYA, Ayaki
(73) SAES GETTERS S.p.A.	(33) Japan	ASHIURA, Makoto
(72) VACCA, Paolo	(51) C08J 11/06	SENGOKU, Tadashi
CAMPANELLA, Gaetano	C08L 67/02	FUJIMOTO, Ryusaku
BERTINOTTI, Emiliano	D06N 7/00	(31) 2018122908
(31) 201800003535	C09J 167/02	(32) 28.06.2018
(32) 14.03.2018	(11) EP3475353	(33) Japan
(33) Italy	(21) EP17737736.3	(51) C08L 23/06
(51) C08J 7/00	(47) 25.01.2023	F16L 9/12
C08F 8/00	(87) EP2017065733	C08J 5/00
C08G 65/48	04.01.2018	F16L 9/127
C08G 63/91	(22) 26.06.2017	(11) EP3109276
A61L 27/14	(54) A METHOD TO RECYCLE A FIBROUS	(21) EP16184860.1
(11) EP2585516	CARPET PRODUCT	(47) 25.01.2023
(21) EP11798868.3	(73) Covestro (Netherlands) B.V.	(22) 22.10.2013
(47) 25.01.2023	(72) UDDING, Jan Henderikus	(54) POLYETHYLENE COMPOSITION
(87) US2011041490	REUTELINGSPERGER, Chris	HAVING HIGH MECHANICAL
29.12.2011	(31) 16176519	PROPERTIES
(22) 22.06.2011	(32) 27.06.2016	(73) Basell Polyolefine GmbH
(54) METHOD FOR PRODUCING	(33) European Patent Office (EPO)	(72) VITTORIAS, Iakovos
NANOSURFACES WITH NANO,	(51) C08K 3/04	WIESECKE, Jens
MICRON, AND/OR SUBMICRON	C08K 3/36	MARCZINKE, Bernd Lothar
STRUCTURES ON A POLYMER	C08K 5/13	MEIER, Gerhardus
(73) Nanovis Inc.	C08K 5/3477	SCHÜLLER, Ulf
(72) HEDRICK, Matthew	F16L 11/04	DOLLE, Volker
BALASUNDARAM, Ganesan	C08L 9/02	ENDERLE, Johannes-Friedrich
YAO, Chang	(11) EP3553120	LILGE, Dieter
(31) 358851 P	(21) EP19165054.8	GALL, Barbara
(32) 25.06.2010	(47) 25.01.2023	(31) 201261730922 P
(33) United States of America	(22) 26.03.2019	12194529
(51) C08J 9/12	(54) RUBBER COMPOSITION FOR MARINE	12189392
C08L 23/02	HOSE AND MARINE HOSE	(32) 28.11.2012
B29C 44/34	(73) The Yokohama Rubber Co., Ltd.	28.11.2012
(11) EP3643739	(72) IKAI, Koichi	22.10.2012

(33) United States of America European Patent Office (EPO) European Patent Office (EPO)	C08L 23/16 C08L 23/08 C08K 3/34 C08F 2/00	(51) C08L 63/00 B32B 27/38 C08G 59/20
(51) C08L 23/08 B29C 49/00 B29C 49/04 C08F 210/16 C08J 5/00 B29C 48/00 B29C 48/92	(11) EP3622017 (21) EP18720277.5 (47) 25.01.2023 (87) EP2018061125 15.11.2018 (22) 02.05.2018 (54) PP-RICH MATERIAL COMPOSITION HAVING HIGH STIFFNESS AND PROCESSABILITY	(11) EP3854848 (21) EP19862834.9 (47) 25.01.2023 (87) JP2019029769 26.03.2020 (22) 30.07.2019 (54) RESIN COMPOSITION, CURED OBJECT, AND LAMINATE
(11) EP3109278 (21) EP16184861.9 (47) 25.01.2023 (22) 22.10.2013 (54) POLYETHYLENE COMPOSITION HAVING HIGH SWELL RATIO (73) Basell Polyolefine GmbH (72) VITTORIAS, Iakovos WIESECKE, Jens MARCZINKE, Bernd Lothar MEIER, Gerhardus SCHÜLLER, Ulf DOLLE, Volker ENDERLE, Johannes-Friedrich LILGE, Dieter GALL, Barbara	(73) Borealis AG (72) KAHLEN, Susanne GAHLEITNER, Markus TRANNINGER, Cornelia KULSHRESHTHA, Bhawna (31) 17169896 (32) 08.05.2017 (33) European Patent Office (EPO)	(73) DIC Corporation (72) OTSU Masato ARITA Kazuo (31) 2018177360 (32) 21.09.2018 (33) Japan
(72) VITTORIAS, Iakovos WIESECKE, Jens MARCZINKE, Bernd Lothar MEIER, Gerhardus SCHÜLLER, Ulf DOLLE, Volker ENDERLE, Johannes-Friedrich LILGE, Dieter GALL, Barbara (31) 201261730925 P 12194530 12189392 (32) 28.11.2012 28.11.2012 22.10.2012 (33) United States of America European Patent Office (EPO) European Patent Office (EPO)	(31) 17169896 (32) 08.05.2017 (33) European Patent Office (EPO) (51) C08L 29/04 C08J 7/04 C08K 3/22 (11) EP3409698 (21) EP17889265.9 (47) 25.01.2023 (87) KR2017013948 05.07.2018 (22) 30.11.2017 (54) POLYMER CONTAINING CYANOETHYL GROUP AND PREPARATION METHOD THEREFOR (73) LG Chem, Ltd. (72) HAN, Hye Soo KANG, Min Ah KWON, Kyung An RYU, Dong Jo HAN, Seon Hee CHOI, Cheol Hoon (31) 20160179851 (32) 27.12.2016 (33) Korea (Republic)	(51) C09C 1/30 C09C 3/10 C08G 83/00 C08F 8/42 C08C 19/25 C08G 77/442 C08F 8/04 C08K 9/08 C08L 101/02 C08L 9/00 B60C 1/00 (11) EP3126453 (21) EP15711617.9 (47) 25.01.2023 (87) US2015019190 08.10.2015 (22) 06.03.2015 (54) SILICA TREATING OF FUNCTIONALIZED RESINS IN TIRES (73) ExxonMobil Chemical Patents Inc. (72) HARRIS, David T. STEWART, Ian C. GEORJON, Olivier J.F. BLOK, Edward J. (31) 201461972964 P (32) 31.03.2014 (33) United States of America
(51) C08L 23/08 B29C 49/00 C08L 23/06 C08J 5/00 C08F 210/16 (11) EP3109277 (21) EP16184859.3 (47) 25.01.2023 (22) 22.10.2013 (54) POLYETHYLENE COMPOSITION HAVING HIGH SWELL RATIO (73) Basell Polyolefine GmbH (72) Vittorias, Iakovos Wiesecke, Jens Marczinke, Bernd Lothar Meier, Gerhardus Schüller, Ulf Dolle, Volker Enderle, Johannes-Friedrich Lilge, Dieter Gall, Barbara (31) 201261730919 P 12194526 12189392 (32) 28.11.2012 28.11.2012 22.10.2012 (33) United States of America European Patent Office (EPO) European Patent Office (EPO)	(51) C08L 53/02 C08F 8/04 C08F 8/06 C08F 8/42 C08F 297/04 H01L 51/50 H05B 33/04 (11) EP2930210 (21) EP13862355.8 (47) 25.01.2023 (87) JP2013082103 19.06.2014 (22) 28.11.2013 (54) RESIN COMPOSITION FOR SEALING ORGANIC ELECTRONICS DEVICES AND ORGANIC ELECTRONICS DEVICE (73) Zeon Corporation (72) TAZAKI, Satoshi KASHIWAGI, Motofumi ISHIGURO, Atsushi KOIDE, Yohei (31) 2012269669 (32) 10.12.2012 (33) Japan	(51) C09D 5/00 C09D 133/06 C09D 5/02 (11) EP3450508 (21) EP18190533.2 (47) 25.01.2023 (22) 23.08.2018 (54) PROTECTIVE WATER REVERSIBLE COATING FOR SUBSTRATES (73) Conservation Technologies, LLC (72) WOLBERS, Richard LAGALANTE, Anthony (31) 201762549282 P (32) 23.08.2017 (33) United States of America (51) C09D 5/16 (11) EP4038149 (21) EP21798821.1 (47) 25.01.2023 (87) SE2021051046 28.04.2022 (22) 20.10.2021 (54) ANTIFOULING COMPOUNDS (73) I-Tech AB
(51) C08L 23/10 C08L 23/04 C08L 23/12	(31) 2012269669 (32) 10.12.2012 (33) Japan	

(72) ISAKSSON, Dan	C09D 11/107	(87) EP2019086436
HOFFMANN, Markus	C09D 11/03	25.06.2020
(31) 2051222	C09D 11/037	(22) 19.12.2019
(32) 21.10.2020	C08L 75/04	(54) METHOD FOR COMBATING THE
(33) Sweden	(11) EP3749722	APPEARANCE OF MIST IN A
(51) C09D 5/22	(21) EP19751042.3	CYLINDER DEVICE DURING THE
C09K 11/77	(47) 25.01.2023	COATING OF FLEXIBLE SUPPORTS
(11) EP3902876	(87) US2019017587	WITH A CROSSLINKABLE LIQUID
(21) EP19858663.8	15.08.2019	SILICONE COMPOSITION
(47) 25.01.2023	(22) 12.02.2019	(73) Elkem Silicones France SAS
(87) GB2019053705	(54) SMEAR RESISTANT INK	(72) PIBRE, Guillaume
02.07.2020	COMPOSITION	BENITOU, Stéphanie
(22) 30.12.2019	(73) Sun Chemical Corporation	POUGET, Emmanuel
(54) PAINT AND OTHER MATERIALS	(72) OSORIO MURILLO, Jarol Alberto	(31) 18306764
INCLUDING A TAGGANT	HILL, Kyle	(32) 20.12.2018
(73) Stevens, Henry Guy	ALLEN, Kaci	(33) European Patent Office (EPO)
(72) Stevens, Henry Guy	(31) 201862629344 P	(51) C09J 7/38
(31) 201821277	(32) 12.02.2018	D06M 10/02
(32) 28.12.2018	(33) United States of America	(11) EP3312253
(33) United Kingdom	(51) C09D 11/322	(21) EP17197435.5
(51) C09D 11/00	C09D 11/38	(47) 25.01.2023
C09D 11/0235	C09D 11/107	(22) 20.10.2017
(11) EP3808824	C09D 11/106	(54) PHYSICAL PRETREATMENT FOR
(21) EP20202143.2	B41J 2/01	ENCAPSULATING A FILAMENT
(47) 25.01.2023	B41M 5/00	(73) tesa SE
(22) 15.10.2020	(11) EP3647380	(72) Hähnel, Marcel
(54) AQUEOUS INK OR LACQUER	(21) EP18824509.6	Kipke, Jennifer
COMPOSITION, IN PARTICULAR	(47) 25.01.2023	Nagel, Christoph
FOR COATING OR PRINTING A	(87) JP2018015873	Sellin, Jannik
SUBSTRATE	03.01.2019	(31) 102016220082
(73) Marabu GmbH & Co. KG	(22) 17.04.2018	(32) 21.10.2016
(72) Engel, Stefan	(54) WATER-BASED INKJET INK AND	(33) Germany
Sommerluksch, Jochen	PRODUCTION METHOD FOR PRINTED	(51) C09J 11/04
Zelbel, Regina	MATTER	C09J 163/00
Kücü, Rabia	(73) Toyo Ink SC Holdings Co., Ltd.	(11) EP2844713
(31) 102019216004	Toyocolor Co., Ltd.	(21) EP13723624.6
(32) 17.10.2019	(72) YODA, Atsushi	(47) 25.01.2023
(33) Germany	SUZUKI, Yoshihito	(87) US2013039509
(51) C09D 11/101	OKAMOTO, Mayuko	07.11.2013
C09D 11/30	JONAI, Kazuhiro	(22) 03.05.2013
C22C 29/08	SUZUKI, Norio	(54) ADHESIVE COMPOSITIONS
B22F 3/10	(31) 2017129813	CONTAINING GRAPHENIC CARBON
B28B 1/00	(32) 30.06.2017	PARTICLES
B29C 67/04	(33) Japan	(73) PPG Industries Ohio, Inc.
B29C 64/112	(51) C09D 11/36	(72) ASAY, David B.
B33Y 10/00	(11) EP4015591	CHAO, Tien-Chieh
B33Y 30/00	(21) EP20800226.1	DESAI, Umesh C.
(11) EP3702418	(47) 25.01.2023	HUNG, Cheng-Hung
(21) EP20160458.4	(87) ES2020070604	NAKAJIMA, Masayuki
(47) 25.01.2023	22.04.2021	VANIER, Noel R.
(22) 17.10.2014	(22) 06.10.2020	(31) 201213463105
(54) METHODS AND SYSTEMS FOR	(54) INKJET INKS FOR CERAMIC TILE	(32) 03.05.2012
PRINTING 3D OBJECT BY INKJET	DECORATION	(33) United States of America
(73) Xjet Ltd.	(73) SUN INKJET CERAMICS, S.L.	(51) C09J 123/26
(72) GOTHAI, Hanan	Sun Chemical Limited	C09J 125/08
KRITCHMAN, Eli	(72) CUEVAS DEUSA, Vicente	B32B 27/32
BENICHOU, Axel	BALCELLS GOMEZ, Francisco Javier	C09J 153/00
SHMAL, Timofey	BONO PALOMAR, Ramon	C08K 5/00
EYTAN, Guy	TICHELL ALEGRE, Maria Teresa	C09J 151/00
SALALHA, Wael	BROUGH, Ian	(11) EP3504287
DAYAGI, Yohai	(31) 201962916464 P	(21) EP16913736.1
KODINETS, Oleg	(32) 17.10.2019	(47) 25.01.2023
LAVID, Lior	(33) United States of America	(87) CN2016096359
(31) 201361891926 P	(51) C09D 183/06	01.03.2018
(32) 17.10.2013	C08L 83/06	(22) 23.08.2016
(33) United States of America	(11) EP3898861	(54) ADHESIVE FOR BINDING POLYOLEFIN
(51) C09D 11/102	(21) EP19828272.5	MEMBRANE TO GLASS FIBERS
C09D 11/106	(47) 25.01.2023	(73) Dow Global Technologies LLC

(72) CHEN, Yongchun WU, Hang HAN, Tao YU, Haiyang	(51) C09J 151/06 C08L 51/06 C08L 23/02 C08K 5/053 C08F 255/02 C08F 285/00	(51) C09K 5/12 F28D 20/00 (11) EP3543312 (21) EP17871327.7 (47) 25.01.2023 (87) KR2017012638 24.05.2018 (22) 09.11.2017 (54) HEAT TRANSFER MEDIUM MELTING COMPOSITION, HEAT TRANSFER SYSTEM USING SAME, AND POWER GENERATION DEVICE USING HEAT TRANSFER SYSTEM	(22) 05.07.2019 (54) MATERIALS FOR ELECTRONIC DEVICES (73) Merck Patent GmbH (72) PARHAM, Amir KROEBER, Jonas ENGELHART, Jens JATSCH, Anja EICKHOFF, Christian EHRENREICH, Christian (31) 18182505 (32) 09.07.2018 (33) European Patent Office (EPO)
(11) EP3835385 (21) EP20212910.2 (47) 25.01.2023 (22) 09.12.2020 (54) THERMO-REVERSIBLE CROSSLINKED HOT-MELT ADHESIVE COMPOSITION (73) SIKA TECHNOLOGY AG (72) Bordeanu, Nicolae Gössi, Matthias Funke, Björn	(73) Korea Institute of Machinery & Materials (72) KIM, Young CHOI, Jun-seok KIM, Dong-ho YOON, Seok-ho KIM, Ook-joong (31) 20170057030 20160154773 (32) 04.05.2017 21.11.2016 (33) Korea (Republic) Korea (Republic)	(51) C09K 11/68 C09K 11/77 (11) EP3896139 (21) EP20169345.4 (47) 25.01.2023 (22) 14.04.2020 (54) IR EMITTING PYROXENE PHOSPHORS AND LIGHT EMITTING DEVICE USING THE SAME (73) Lumileds LLC (72) SCHMIDT, Peter Josef	
(31) 19214575 (32) 09.12.2019 (33) European Patent Office (EPO)	(51) C09J 197/00 (11) EP3865551 (21) EP21156035.4 (47) 25.01.2023 (22) 09.02.2021 (54) BINDER COMPOSITION (73) UPM-Kymmene Corporation (72) Pietarinen, Suvi Pykäläinen, Nina (31) 20205145 (32) 12.02.2020 (33) Finland	(51) C09K 11/06 H01L 51/50 C07B 59/00 C07C 13/32 C07C 13/615 C07C 13/68 C07D 405/04 C07F 15/00 C07D 487/04 C07F 7/08 C07D 307/91 C07D 403/14 C07D 333/76 C07D 403/04 C07D 307/93 C07C 13/72 C07C 211/54 C07D 251/24 C07D 209/94 C07C 211/61 C07D 209/86	(51) C10L 1/14 C10L 1/222 C10L 10/04 C10L 1/32 C10L 1/198 (11) EP3963032 (21) EP20724425.2 (47) 25.01.2023 (87) EP2020061317 12.11.2020 (22) 23.04.2020 (54) EMULSIFIER PACKAGE WITH QUATERNARY AMMONIUM SURFACTANT FOR FUEL EMULSION (73) BASF SE (72) HARHAUSEN, Marcel SCHOEPPE, Thorsten (31) 19172458 (32) 03.05.2019 (33) European Patent Office (EPO)
(51) C09K 5/00 C09K 5/08 F25B 9/00 (11) EP3505587 (21) EP19153146.6 (47) 25.01.2023 (22) 08.10.2013 (54) A METHOD FOR MANUFACTURING A MULTIPLE-LAYER TYPE COLD HEAD INCLUDING A RARE EARTH REGENERATOR MATERIAL PARTICLE (73) Kabushiki Kaisha Toshiba Toshiba Materials Co., Ltd. (72) YAMADA, Katsuhiko FUSE, Keiichi (31) 2012224522 (32) 09.10.2012 (33) Japan	(11) EP3856868 (21) EP19779418.3 (47) 25.01.2023 (87) EP2019075593 02.04.2020 (22) 24.09.2019 (54) COMPOUNDS THAT CAN BE USED IN AN ORGANIC ELECTRONIC DEVICE AS ACTIVE COMPOUNDS (73) Merck Patent GmbH (72) STOESSEL, Philipp (31) 18197197 (32) 27.09.2018 (33) European Patent Office (EPO)	(51) C10M 107/28 C10M 145/14 (11) EP4015604 (21) EP21210986.2 (47) 25.01.2023 (22) 29.11.2021 (54) ACRYLATE-OLEFIN COPOLYMERS AS HIGH VISCOSITY BASE FLUIDS (73) Evonik Operations GmbH (72) Maier, Stefan Karl Janßen, Dieter Ziegler, Fabian Schöller, Katrin Hilf, Stefan (31) 20215450 (32) 18.12.2020 (33) European Patent Office (EPO)	
(51) C09K 5/04 C08J 9/14 (11) EP3498801 (21) EP18210883.7 (47) 25.01.2023 (22) 29.04.2005 (54) COMPOSITIONS WITH HFO-1234ZE AND HFC-134A (73) Honeywell International Inc. (72) PHAM, Hang T. SINGH, Rajiv R (31) 83752504 (32) 29.04.2004 (33) United States of America	(51) C09K 11/06 H01L 51/50 H01L 51/00 (11) EP3820965 (21) EP19736376.5 (47) 25.01.2023 (87) EP2019068066 16.01.2020	(51) C10M 135/18 (11) EP3483235 (21) EP17827395.9 (47) 25.01.2023 (87) JP2017023418 18.01.2018 (22) 26.06.2017	

(54) LUBRICANT COMPOSITION AND LUBRICANT OIL COMPOSITION	(51) C11D 1/14	(31) 20196751
(73) Adeka Corporation	C11D 11/00	(32) 17.09.2020
(72) KATSUNO, Eiji	C11D 17/00	(33) European Patent Office (EPO)
SUMI, Taro	(11) EP3971270	(51) C11D 3/04
(31) 2016136716	(21) EP21180045.3	C08J 3/05
(32) 11.07.2016	(47) 25.01.2023	C08L 33/26
(33) Japan	(22) 17.06.2021	C08L 101/14
(51) C10M 169/02	(54) LIQUID HAND DISHWASHING	C11D 3/06
C10M 105/72	CLEANING COMPOSITION	C11D 3/37
C10M 115/08	(73) The Procter & Gamble Company	C11D 17/00
C10M 133/06	(72) BILLIAUW, Jan Julien Marie-Louise	(11) EP3795664
(11) EP2735602	CRETS, Kristof	(21) EP20196365.9
(21) EP12817534.6	VANOVERSTRAETE, Bjorn	(47) 25.01.2023
(47) 25.01.2023	(31) 20196744	(22) 16.09.2020
(87) JP2012068564	(32) 17.09.2020	(54) WATER-SOLUBLE OR WATER-
31.01.2013	(33) European Patent Office (EPO)	SWELLABLE POLYMER AQUEOUS
(22) 23.07.2012	(51) C11D 1/37	DISPERSION
(54) LUBRICATING GREASE	C11D 1/29	(73) S.P.C.M. SA
COMPOSITION	(11) EP3191569	(72) OMONT, Alexandre
(73) Kyodo Yushi Co., Ltd.	(21) EP15766350.1	SOUZY, Renaud
(72) HAYAMA Makoto	(47) 25.01.2023	MICHEL, Marc-Edouard
SASAKI Setsuo	(87) US2015048818	SABOT, Bruno
(31) 2011160960	17.03.2016	(31) 1910225
(32) 22.07.2011	(22) 08.09.2015	(32) 17.09.2019
(33) Japan	(54) DETERGENT COMPOSITIONS	(33) France
(51) C11D 1/02	CONTAINING A BRANCHED	(51) C11D 3/22
C11D 3/20	SURFACTANT	(11) EP3922705
C11D 17/06	(73) The Procter & Gamble Company	(21) EP20180335.0
C11D 3/00	(72) VINSON, Phillip, Kyle	(47) 25.01.2023
(11) EP3301154	STENGER, Patrick, Christopher	(22) 16.06.2020
(21) EP17194515.7	STEFFEY, Melinda, Phyllis	(54) A LAUNDRY CARE OR DISH CARE
(47) 25.01.2023	REILMAN, Randall, Thomas	COMPOSITION COMPRISING A POLY
(22) 03.10.2017	SCHRODER, Clemens	ALPHA GLUCAN DERIVATIVE
(54) LAUNDRY DETERGENT	(31) 201462047262 P	(73) The Procter & Gamble Company
COMPOSITION	(32) 08.09.2014	(72) SIVIK, Mark Robert
(73) The Procter & Gamble Company	(33) United States of America	FLITER, Kristine Lynn
(72) CHIEFFI, Andre	(51) C11D 1/83	FAIRWEATHER, Neil Thomas
BROOKER, Alan Thomas	C11D 11/00	SI, Gang
WILKINSON, Craig Adam	C11D 17/00	HUANG, Zheng-Zheng
FULLER, Linsey Sarah	(11) EP3971271	LU, Helen
GOULD, Paul Anthony	(21) EP21180057.8	ADELMAN, Douglas
TANTAWY, Hossam Hassan	(47) 25.01.2023	(31) 202063037027 P
HADDRELL, Benjamin Mark	(22) 17.06.2021	(32) 10.06.2020
(31) 16192022	(54) LIQUID HAND DISHWASHING	(33) United States of America
(32) 03.10.2016	CLEANING COMPOSITION	(51) C11D 3/33
(33) European Patent Office (EPO)	(73) The Procter & Gamble Company	(11) EP3475403
(51) C11D 1/02	(72) BILLIAUW, Jan Julien Marie-Louise	(21) EP17737165.5
C11D 17/06	BRAECKMAN, Karl Ghislain	(47) 25.01.2023
C11D 3/37	DECRAENE, Katrien Richarde Francoise	(87) US2017039449
C11D 3/20	VANOVERSTRAETE, Bjorn	04.01.2018
(11) EP3301158	(31) 20196747	(22) 27.06.2017
(21) EP17194533.0	(32) 17.09.2020	(54) IMPROVED REMOVAL OF
(47) 25.01.2023	(33) European Patent Office (EPO)	HYDROPHILIC BODY SOILS
(22) 03.10.2017	(51) C11D 1/83	(73) The Procter & Gamble Company
(54) LAUNDRY DETERGENT	C11D 11/00	(72) DE BUZZACCARINI, Francesco
COMPOSITION	C11D 17/00	SONG, Xinbei
(73) The Procter & Gamble Company	(11) EP3971273	VERSTRAETEN, William, Mario, Laurent
(72) CHIEFFI, Andre	(21) EP21180079.2	(31) 201662354834 P
BROOKER, Alan Thomas	(47) 25.01.2023	(32) 27.06.2016
WILKINSON, Craig Adam	(22) 17.06.2021	(33) United States of America
FULLER, Linsey Sarah	(54) LIQUID HAND DISHWASHING	(51) C11D 7/50
GOULD, Paul Anthony	CLEANING COMPOSITION	C11D 17/00
TANTAWY, Hossam Hassan	(73) The Procter & Gamble Company	C11D 3/37
PICKERING, carly	(72) BILLIAUW, Jan Julien Marie-Louise	C11D 3/43
(31) 16192036	BRAECKMAN, Karl Ghislain	(11) EP3174969
(32) 03.10.2016	DECRAENE, Katrien Richarde Francoise	(21) EP15748393.4
(33) European Patent Office (EPO)	SAVEYN, Pieter Jan Maria	(47) 25.01.2023
	VANOVERSTRAETE, Bjorn	(87) US2015042448

04.02.2016	(33) European Patent Office (EPO)	(73) Guangzhou Institutes Of Biomedicine
(22) 28.07.2015	(51) C12M 1/26	And Health Chinese Academy Of
(54) FABRIC TREATMENT COMPOSITION	C12M 1/12	Sciences
COMPRISING AN AMINOSILOXANE	C12Q 1/24	(72) WANG, Jinyong
POLYMER NANOEMULSION	C12Q 1/48	YANG, Dan
(73) The Procter & Gamble Company	C12Q 1/68	DONG, Yong
(72) VETTER, Nicholas David	C12N 5/074	HU, Fangxiao
SIVIK, Mark Robert	C12N 5/0783	ZHAO, Qianhao
FLITER, Kristi Lynn	C12N 5/0786	ZHANG, Mengyun
WHITING, Patrick B.	G01N 33/543	LV, Cui
BROENING, Harry W.	(11) EP3237596	WANG, Ying
KENNEALLY, Corey James	(21) EP15874286.6	(51) C12N 7/00
(31) 201414444004	(47) 25.01.2023	C12N 15/86
(32) 28.07.2014	(87) US2015067289	(11) EP3591042
(33) United States of America	30.06.2016	(21) EP19165389.8
(51) C11D 17/00	(22) 22.12.2015	(47) 25.01.2023
C11D 1/83	(54) CAPTURE SYSTEM OF CELLS AND	(22) 19.12.2014
C11D 3/50	METHODS	(54) PRRS VIRUS VARIANT, EUROPEAN
(11) EP3875568	(73) Saint-Gobain Performance Plastics	PRRS VIRUS CDNA CLONE, AND
(21) EP21158447.9	Corporation	USES THEREOF
(47) 25.01.2023	(72) CIVEL, Edouard	(73) Boehringer Ingelheim Vetmedica GmbH
(22) 22.02.2021	CLARK, Sarah Louise	(72) GALLEI, Andreas
(54) SOLID SELF-ADHESIVE	CULLIS, Herbert Myers	HERREL, Marieke
FORMULATION FOR HYGIENE AND	BOGHOSIAN, Natasha Anna	KELLER, Christoph
FRAGRANCE OF SANITARY ARTICLES	MIRIPOL, Jeffrey Ellis	SCHACHT, Erik
(73) RE.I.E.VI. S.p.A.	GARCES, Camila A.	(31) 14175691
(72) Zaniboni, Claudia	(31) 201514976071	13199177
(31) 202000004684	201462095179 P	(32) 03.07.2014
(32) 05.03.2020	(32) 21.12.2015	20.12.2013
(33) Italy	22.12.2014	(33) European Patent Office (EPO)
(51) C12M 1/00	(33) United States of America	European Patent Office (EPO)
G01N 1/28	United States of America	(51) C12N 7/00
C12M 3/00	(51) C12N 1/20	C12N 15/86
(11) EP3171152	C05F 11/08	A61K 39/00
(21) EP16196789.8	A01N 63/20	A61K 35/761
(47) 25.01.2023	C12R 1/01	(11) EP3768830
(22) 02.11.2016	(11) EP3898939	(21) EP19712179.1
(54) PROCESS AND DEVICE FOR	(21) EP19848891.8	(47) 25.01.2023
ISOLATING CELLS FROM BIOLOGICAL	(47) 25.01.2023	(87) EP2019056770
TISSUE	(87) FR2019053222	26.09.2019
(73) Miltenyi Biotec B.V. & Co. KG	25.06.2020	(22) 19.03.2019
(72) POGGEL, Carsten	(22) 19.12.2019	(54) CANCER THERAPY
BOSIO, Andreas	(54) BIOFERTILIZER BACTERIAL STRAIN	(73) Valo Therapeutics Oy
STÖTERS, Wolfgang	(73) Université de Lorraine	(72) RANKI, Tuuli
ADAMS, Timo	Institut National de la Recherche	PESONEN, Sari
(31) 15195336	pour l'Agriculture, l'Alimentation et	PRIHA, Petri
(32) 19.11.2015	l'Environnement	YLÖSMÄKI, Erko
(33) European Patent Office (EPO)	(72) SLEZACK-DESCHAUMES, Sophie	CERULLO, Vincenzo
(51) C12M 1/00	PIUTTI, Séverine	MARTINS, Beatriz
G09B 23/30	L'YVONNET, Pierre	(31) 201814866
(11) EP3635088	ROSELLI, Sandro	201804468
(21) EP18731381.2	(31) 1873624	(32) 13.09.2018
(47) 25.01.2023	(32) 20.12.2018	21.03.2018
(87) EP2018064917	(33) France	(33) United Kingdom
13.12.2018	(51) C12N 5/10	United Kingdom
(22) 06.06.2018	C12N 5/0781	(51) C12N 11/089
(54) GASTROINTESTINAL TRACT	C12N 5/0783	C12N 11/093
SIMULATION SYSTEM,	A61K 35/17	A61B 5/00
COMPARTMENTS THEREFOR, AND	A61P 37/00	A61B 5/145
METHOD	(11) EP3564365	A61B 5/1486
(73) ProDigest BVBA	(21) EP16924939.8	A61K 33/00
(72) MASCART, Louis-Philippe	(47) 25.01.2023	A61K 38/28
MARZORATI, Massimo	(87) CN2016112508	C08G 18/44
WINDELS, Tim	05.07.2018	C08G 18/48
POSSEMIERS, Sam	(22) 28.12.2016	C08G 18/75
VAN DEN ABBEELE, Pieter	(54) TRANSDIFFERENTIATION OF B	C12Q 1/00
(31) 17174613	LYMPHOID CELLS INTO T CELLS	G01N 27/327
(32) 06.06.2017		A61B 5/1473

C08G 18/08	SANDER, Antje-Katrin	(22) 09.06.2017
C08G 18/12	SINGER, Thorsten	(54) COMPOSITIONS AND METHODS FOR
C08G 18/38	HÄNßLER, Eva	DETECTION OF HEPATITIS C VIRUS
C08G 18/40	O'NEIL, Dominic	GENOTYPE 3
(11) EP3895614	(51) C12N 15/82	(73) F. Hoffmann-La Roche AG
(21) EP21157321.7	C12N 9/88	(72) MEHTA, Rochak
(47) 25.01.2023	B01J 19/00	(31) 201662348612 P
(22) 29.12.2016	C07K 19/00	(32) 10.06.2016
(54) ENZYME IMMOBILIZED ADHESIVE	(11) EP3715463	(33) United States of America
LAYER FOR ANALYTE SENSORS	(21) EP20164909.2	(51) C21D 1/76
(73) Dexcom, Inc.	(47) 25.01.2023	C21D 1/767
(72) Wang, Shanger	(22) 23.03.2020	C21D 8/04
Lee, Ted Tang	(54) METHOD OF MASS-PRODUCING	C23C 2/02
Zou, Jiong	CARBONIC ANHYDRASE IN PLANTS	C23C 2/06
(31) 201562273219 P	(73) Biocompanion Inc.	C21D 9/48
201562273142 P	(72) HWANG, In Hwan	C21D 9/56
201562273155 P	RAZZAKMD, Abdur	(11) EP3710605
(32) 30.12.2015	RYU, Bong Ryul	(21) EP18807218.5
30.12.2015	LEE, Dong Wook	(47) 25.01.2023
30.12.2015	LEE, Jun Ho	(87) EP2018080242
(33) United States of America	KUMARI, Madhu	23.05.2019
United States of America	(31) 20190032749	(22) 06.11.2018
United States of America	(32) 22.03.2019	(54) METHOD FOR THE PREOXIDATION
(51) C12N 15/00	(33) Korea (Republic)	OF STRIP STEEL IN A REACTION
C12N 15/09	(51) C12P 13/12	CHAMBER ARRANGED IN A FURNACE
C07K 14/01	C12P 7/46	CHAMBER
A61P 31/00	(11) EP2751276	(73) SMS Group GmbH
(11) EP2885408	(21) EP11755306.5	(72) MASCHLER, Frank
(21) EP13829140.6	(47) 25.01.2023	KÜMMEL, Lutz
(47) 25.01.2023	(87) EP2011065241	CRUTZEN, Jean-Pierre
(87) US2013055454	07.03.2013	(31) 102018107435
20.02.2014	(22) 02.09.2011	102017220583
(22) 16.08.2013	(54) PREPARATION PROCESS OF L-	(32) 28.03.2018
(54) DIGITAL TO BIOLOGICAL CONVERTER	METHIONINE	17.11.2017
(73) Synthetic Genomics, Inc.	(73) Arkema France	(33) Germany
(72) VENTER, J., Craig	CJ Cheiljedang Corporation	Germany
GIBSON, Daniel, G.	(72) FREMY, Georges	(51) C21D 8/02
GILL, John, E.	BARRE, Patrice	C22C 38/04
(31) 201261684076 P	KIM, So-Young	C22C 38/42
(32) 16.08.2012	SON, Sung Kwang	C22C 38/44
(33) United States of America	LEE, Sang Mok	C22C 38/54
(51) C12N 15/10	(51) C12Q 1/68	(11) EP3719148
B01J 20/291	C12M 1/34	(21) EP19167552.9
B01D 15/34	C12Q 1/6809	(47) 25.01.2023
(11) EP3399036	G16B 20/20	(22) 05.04.2019
(21) EP18178486.9	G16B 30/00	(54) HIGH-HARDNESS STEEL PRODUCT
(47) 25.01.2023	C12Q 1/6883	AND METHOD OF MANUFACTURING
(22) 08.04.2011	(11) EP3916105	THE SAME
(54) CHROMATOGRAPHIC DEVICE AND	(21) EP19941307.1	(73) SSAB Technology AB
METHOD FOR ISOLATING AND	(47) 25.01.2023	(72) Hemmilä, Mikko
PURIFYING NUCLEIC ACIDS	(87) CN2019100629	Liimatainen, Tommi
(73) QIAGEN GmbH	18.02.2021	Virolainen, Esa
(72) Hucklenbroich, Jörg	(22) 14.08.2019	Suikkanen, Pasi
Scherer Mario	(54) METHOD AND DEVICE FOR	Larsson, Magnus
(31) 10003766	DETERMINING FETAL NUCLEIC ACID	Gladh, Magnus
(32) 08.04.2010	CONCENTRATION IN BLOOD OF	(51) C22C 9/04
(33) European Patent Office (EPO)	PREGNANT WOMAN	C22F 1/08
(51) C12N 15/10	(73) BGI Genomics Co., Limited	(11) EP3690069
C12N 9/22	(72) CHEN, Ruoyan	(21) EP19756080.8
(11) EP3719141	JIN, Xin	(47) 25.01.2023
(21) EP20174850.6	JU, Jia	(87) KR2019006698
(47) 25.01.2023	LIU, Siyang	25.06.2020
(22) 20.04.2015	(51) C12Q 1/70	(22) 04.06.2019
(54) METHOD, LYSIS SOLUTION AND	(11) EP3469102	(54) FREE-CUTTING LEAD-FREE COPPER
KIT FOR SELECTIVELY DEPLETING	(21) EP17730445.8	ALLOY TO WHICH LEAD AND
ANIMAL NUCLEIC ACIDS IN A SAMPLE	(47) 25.01.2023	BISMUTH ARE NOT ADDED
(73) QIAGEN GmbH	(87) EP2017064099	(73) Poongsan Corporation
(72) KUBICEK, Johann	14.12.2017	(72) JEON, Bo Min

JEONG, Won Seok	(31) 201962810585 P	(54) A METHOD FOR THE MANUFACTURE
KWAK, Won Shin	201862701977 P	OF A COATED STEEL SUBSTRATE
(31) 20180165425	(32) 26.02.2019	AND A HOT-ROLLED STEEL PRODUCT
(32) 19.12.2018	23.07.2018	(73) ArcelorMittal
(33) Korea (Republic)	(33) United States of America	(72) LALIENA IRANZO, Carlos
(51) C22C 19/05	United States of America	PÉREZ RODRÍGUEZ, Marcos
(11) EP3390677	(51) C22C 23/00	(31) PCT/IB2017/058105
(21) EP16810595.5	C22C 23/02	(32) 19.12.2017
(47) 25.01.2023	C22C 23/06	(33) World Intellectual Property Office (WIPO)
(87) US2016065254	C22F 1/06	(51) C23C 8/10
22.06.2017	(11) EP3670691	C22C 38/00
(22) 07.12.2016	(21) EP19212085.5	C23C 24/08
(54) WASTEGATE COMPONENT	(47) 25.01.2023	C21D 1/26
COMPRISING A NOVEL ALLOY	(22) 28.11.2019	C21D 1/78
(73) BorgWarner Inc.	(54) MAGNESIUM ALLOY AND ITS	C21D 6/00
(72) SCHALL, Gerald	PROCESS OF MANUFACTURE	C21D 8/02
GABEL, Melanie	(73) LKR Leichtmetallkompetenzzentrum	C21D 8/04
WENIGER, Stephan	Ranshofen GmbH	C21D 9/46
(31) 15201335	(72) Gneiger, Stefan	C22C 38/02
(32) 18.12.2015	(31) 511272018	C22C 38/04
(33) European Patent Office (EPO)	(32) 18.12.2018	C22C 38/06
(51) C22C 19/07	(33) Austria	C22C 38/18
C22C 1/04	(51) C22C 30/00	C22C 38/22
B33Y 70/00	C22C 30/02	C23C 8/14
B33Y 80/00	H01B 1/02	C22C 38/48
F01D 5/28	H01H 1/0233	C22C 38/40
F01D 9/04	H01H 1/02	C22C 38/28
B22F 5/00	C22C 9/00	C22C 38/54
(11) EP3837387	(11) EP3555898	C22C 38/26
(21) EP19711816.9	(21) EP17832604.7	(11) EP3578677
(47) 25.01.2023	(47) 25.01.2023	(21) EP18757274.8
(87) EP2019025069	(87) US2017065083	(47) 25.01.2023
19.09.2019	21.06.2018	(87) JP2018002452
(22) 15.03.2019	(22) 07.12.2017	30.08.2018
(54) HIGH-PERFORMANCE METAL ALLOY	(54) IMPROVED ELECTRICAL CONTACT	(22) 26.01.2018
FOR ADDITIVE MANUFACTURING OF	ALLOY FOR VACUUM CONTACTORS	(54) BLACK FERRITE-BASED STAINLESS
MACHINE COMPONENTS	(73) Eaton Intelligent Power Limited	STEEL SHEET
(73) Nuovo Pignone Tecnologie - S.R.L.	(72) CAMPBELL, Louis Grant	(73) NIPPON STEEL STAINLESS STEEL
(72) DIMATTEO, Antonella	BALASUBRAMANIAN, Ganesh Kumar	CORPORATION
GIOVANNETTI, Iacopo	ROSENKRANS, Benjamin Alex	(72) TAI, Yoshikazu
(31) 201800003601	(31) 201615377258	SAIDA, Tomoaki
(32) 15.03.2018	(32) 13.12.2016	IMAKAWA, Kazunari
(33) Italy	(33) United States of America	SUZUKI, Satoshi
(51) C22C 21/02	(51) C22C 38/02	(31) 2017032727
C22F 1/043	C08K 3/04	(32) 23.02.2017
(11) EP3827108	C09D 7/40	(33) Japan
(21) EP19752306.1	C22C 38/58	(51) C23C 14/20
(47) 25.01.2023	C22C 38/54	C23C 14/16
(87) US2019042809	C22C 38/50	C23C 14/58
30.01.2020	C22C 38/48	C23C 14/02
(22) 22.07.2019	C22C 38/46	C23C 16/50
(54) HIGHLY FORMABLE, RECYCLED	C22C 38/44	C23C 28/00
ALUMINUM ALLOYS AND METHODS	C22C 38/42	B05D 3/00
OF MAKING THE SAME	C22C 38/04	B05D 3/14
(73) Novelis, Inc.	C21D 1/70	C09D 1/00
(72) DAS, Sazol Kumar	C09D 5/00	B05D 1/00
HEYEN, Matthew	C09D 1/00	B05D 7/02
EVANS, Peter	C09D 1/02	C09D 183/04
BEECH, Martin	C21D 8/02	C09D 183/08
SON, ChangOok	C21D 8/06	(11) EP3120939
MARSH, Mark	C21D 9/04	(21) EP16160981.3
KAMAT, Rajeev G.	(11) EP3728677	(47) 25.01.2023
KOSSAK, Rainer	(21) EP18833713.3	(22) 13.07.2015
FRYATT, David	(47) 25.01.2023	(54) COATED SUBSTRATES, AND
FISHER, David Scott	(87) IB2018059873	THEIR USE AND SYSTEMS FOR
FLOREY, Guillaume	27.06.2019	THE PRODUCTION OF COATED
BEZENCON, Cyrille	(22) 11.12.2018	SUBSTRATES
TIMM, Juergen		(73) HEC High End Coating GmbH

(72) Koch, Matthias	(72) WATANABE Morimichi	(54) DRAWING FRAME FOR A SPINNING
(51) C23C 22/83	YOSHIKAWA Jun	MACHINE COMPRISING A
C23C 22/34	KURAOKA Yoshitaka	COMPACTION DEVICE
C23C 22/44	NANATAKI Tsutomu	(73) Maschinenfabrik Rieter AG
C23C 22/78	(31) 2014241013	(72) SCHAEFFLER, Gernot
B05D 1/34	2014071342	STOPP, Nora
B05D 1/36	201414499688	BARAUKE, Norbert
C09D 7/61	PCT/JP2014/064388	WIDMANN, Martin
C09D 5/08	(32) 28.11.2014	(31) 15282017
(11) EP3512981	31.03.2014	(32) 15.12.2017
(21) EP17761890.7	29.09.2014	(33) Switzerland
(47) 25.01.2023	30.05.2014	(51) D01H 5/72
(87) EP2017072316	(33) Japan	D01H 1/02
22.03.2018	Japan	(11) EP3724385
(22) 06.09.2017	United States of America	(21) EP18815979.2
(54) IMPROVED PROCESS FOR	World Intellectual Property Office (WIPO)	(47) 25.01.2023
CORROSION-PROTECTING	(51) D01H 1/02	(87) EP2018083350
PRETREATMENT OF A METALLIC	D01H 5/72	20.06.2019
SURFACE CONTAINING STEEL,	(11) EP3724382	(22) 03.12.2018
GALVANIZED STEEL, ALUMINUM, AN	(21) EP18815976.8	(54) DRAFTING UNIT FOR A SPINNING
ALUMINUM ALLOY, MAGNESIUM AND/	(47) 25.01.2023	MACHINE COMPRISING A
OR A ZINC-MAGNESIUM ALLOY	(87) EP2018083319	COMPACTION DEVICE, AND METHOD
(73) Chemetall GmbH	20.06.2019	FOR COMPACTING A FIBRE BUNDLE
(72) BIRKENHEUER, Stefan	(22) 03.12.2018	(73) Maschinenfabrik Rieter AG
CHMIELEWSKI, Dietmar	(54) DRAFTING UNIT FOR A SPINNING	(72) SCHAEFFLER, Gernot
HECKER, Carina	MACHINE HAVING A COMPACTING	BLANKENHORN, Peter
SAUER, Oliver	DEVICE	WIDMANN, Martin
SCHATZ, Daniel	(73) Maschinenfabrik Rieter AG	(31) 15302017
(31) 102016217574	(72) SCHAEFFLER, Gernot	(32) 15.12.2017
(32) 15.09.2016	BIANCO, Carolina	(33) Switzerland
(33) Germany	(31) 15272017	(51) D03D 47/23
(51) C25B 13/04	(32) 15.12.2017	D03D 47/18
C25B 1/04	(33) Switzerland	(11) EP3899121
C25B 9/05	(51) D01H 1/115	(21) EP19816672.0
C25B 9/23	(11) EP3663445	(47) 25.01.2023
(11) EP3899100	(21) EP19213386.6	(87) EP2019083971
(21) EP19835784.0	(47) 25.01.2023	25.06.2020
(47) 25.01.2023	(22) 04.12.2019	(22) 06.12.2019
(87) IB2019060943	(54) SPINNING NOZZLE AND METHOD	(54) GIVER RAPIER HEAD, LOOM WITH A
25.06.2020	FOR CLEANING THE SAME	GIVER RAPIER HEAD OF THIS KIND
(22) 17.12.2019	(73) Maschinenfabrik Rieter AG	AND METHOD FOR DOUBLE WEFT
(54) WATER ELECTROLYZERS	(72) FUNKE, Simon-Moritz	INSERTION
(73) 3M Innovative Properties Company	Kübler, Markus	(73) Lindauer Dornier Gesellschaft mit
(72) PARK, Jiyoung	Straub, Oliver	beschränkter Haftung
LEWINSKI, Krzysztof A.	(31) 102018130826	(72) ÖLLER, Lars
(31) 201862781707 P	(32) 04.12.2018	SEIFRIED, Frank
(32) 19.12.2018	(33) Germany	(31) 102018222722
(33) United States of America	(51) D01H 1/16	(32) 21.12.2018
(51) C30B 25/18	(11) EP3924543	(33) Germany
C30B 28/04	(21) EP20707320.6	(51) D03D 47/36
C30B 29/40	(47) 25.01.2023	(11) EP3945150
C30B 29/60	(87) IB2020050926	(21) EP21176649.8
C30B 9/12	20.08.2020	(47) 25.01.2023
C30B 19/02	(22) 05.02.2020	(22) 28.05.2021
C30B 19/12	(54) MODULAR ROVING FRAME	(54) ACCUMULATION YARN FEEDER
H01L 33/16	(73) MARZOLI MACHINES TEXTILE S.r.l.	PROVIDED WITH A SPACER DEVICE
H01L 33/32	(72) ASSENZA, Rosario	FOR SEPARATING THE LOOPS OF
(11) EP3128562	(31) 201900002101	YARN WOUND ON THE DRUM
(21) EP15773888.1	(32) 13.02.2019	(73) L.G.L. Electronics S.p.A.
(47) 25.01.2023	(33) Italy	(72) BERTOCCHI, Giorgio
(87) JP2015058752	(51) D01H 5/72	PEDRINI, Giovanni
08.10.2015	(11) EP3724383	(31) 202000018535
(22) 23.03.2015	(21) EP18814847.2	(32) 30.07.2020
(54) POLYCRYSTALLINE GALLIUM-NITRIDE	(47) 25.01.2023	(33) Italy
SELF-SUPPORTING SUBSTRATE AND	(87) EP2018083313	(51) D04B 1/12
LIGHT-EMITTING ELEMENT USING	20.06.2019	D04B 1/04
SAME	(22) 03.12.2018	A43B 23/02
(73) NGK Insulators, Ltd.		D01D 5/247

D01D 5/34	(54) SYSTEM AND METHOD FOR	D06F 23/04
D01D 11/06	CONSOLIDATING LAYERS	D06F 101/00
D01F 1/08	COMPRISING FIBRES TO A	(11) EP3633093
D02G 3/40	NONWOVEN WEB	(21) EP18805478.7
D06M 15/333	(73) Andritz Küsters GmbH	(47) 25.01.2023
D06M 15/507	(72) UGNON-COUSSIOZ, Jean-Michel	(87) KR2018005903
D06M 15/564	LATENDORF, Dennis	29.11.2018
D06M 23/04	(31) 102021107901	(22) 24.05.2018
D06M 23/12	(32) 29.03.2021	(54) LAUNDRY HANDLING APPARATUS
D06M 15/227	(33) Germany	(73) LG Electronics Inc.
A43B 1/04	(51) D04H 18/04	(72) LEE, Kyungah
(11) EP4041944	D06B 15/04	KIM, Hyewon
(21) EP20821564.0	(11) EP3894622	LEE, Junghwan
(47) 25.01.2023	(21) EP19827636.2	YOO, Taewoo
(87) US2020061032	(47) 25.01.2023	(31) 20170064247
27.05.2021	(87) EP2019084271	(32) 24.05.2017
(22) 18.11.2020	18.06.2020	(33) Korea (Republic)
(54) KNITTED COMPONENT HAVING A	(22) 09.12.2019	(51) D06F 37/00
FOAM SURFACE FEATURE	(54) JET SUCTION BOX AND JET SUCTION	D06F 37/26
(73) Nike Innovate C.V.	METHOD	(11) EP3947801
(72) BARANEK, Austin	(73) AUTEFA Solutions Germany GmbH	(21) EP20713281.2
FRASER, Katharine	(72) Richter, Christian	(47) 25.01.2023
HIPP, Stephen J.	(31) 202018107163 U	(87) EP2020057957
MOLYNEUX, James	(32) 14.12.2018	08.10.2020
ORME, Kristen E.	(33) Germany	(22) 23.03.2020
ST. CLAIR, Margaret P.	(51) D05C 15/08	(54) A WASHING MACHINE COMPRISING A
ZHAO, Yang	E01C 13/08	HOUSING
(31) 201962939110 P	F28D 20/00	(73) Arçelik Anonim Sirketi
201962937117 P	B27L 11/02	(72) CATALTEPE, Servet
201962937133 P	(11) EP3601658	CELIK, Filiz
201962937092 P	(21) EP18777003.7	MUTLU, Eren
(32) 22.11.2019	(47) 25.01.2023	KASAP, Fatih
18.11.2019	(87) US2018025266	TOP, Ahmet Burak
18.11.2019	04.10.2018	(31) 201905015
18.11.2019	(22) 29.03.2018	(32) 03.04.2019
(33) United States of America	(54) INFILL FOR ARTIFICIAL TURF SYSTEM	(33) Turkey
United States of America	AND MANUFACTURING PROCESS	(51) D06F 37/06
United States of America	(73) Brock USA, LLC	D06F 23/02
United States of America	(72) KEYSER, Stephen	(11) EP3947802
(51) D04C 1/12	SAWYER, Steven L.	(21) EP20707075.6
A43C 1/02	(31) 201862616858 P	(47) 25.01.2023
A43C 1/00	201762529543 P	(87) EP2020054810
(11) EP3473761	201762478254 P	01.10.2020
(21) EP18201779.8	(32) 12.01.2018	(22) 25.02.2020
(47) 25.01.2023	07.07.2017	(54) A WASHING MACHINE COMPRISING A
(22) 01.11.2012	29.03.2017	FLOW REGULATING LIFTER
(54) LACE PROVIDED WITH TUBULAR	(33) United States of America	(73) Arçelik Anonim Sirketi
LACE BODY	United States of America	(72) KOCA, Burak
(73) Twins Corporation	United States of America	ASKIN, Ufuk
Osada, Masakazu	(51) D06C 21/00	ERDEM, Ilkan
Yang, Liming	(11) EP3754087	CORAK, Selahattin
Hsieh, Tsung Jen	(21) EP20179929.3	KANDEMIR, Nihat
(72) Osada, Masakazu	(47) 25.01.2023	(31) 201904579
Yang, Liming	(22) 15.06.2020	(32) 27.03.2019
Hsieh, Tsung Jen	(54) APPARATUS FOR COMPACTING A	(33) Turkey
Kajiwara, Ryuji	CONTINUOUS TEXTILE SUBSTRATE	(51) D06F 37/40
(31) 2012150880	BY MEANS OF ELASTIC BELT	D06F 37/30
(32) 04.07.2012	(73) Santex Rimar Group S.r.l.	(11) EP3597810
(33) Japan	(72) MANDRUZZATO, Giulio	(21) EP18766853.8
(51) D04H 1/49	NICOLETTI, Andrea	(47) 25.01.2023
D04H 1/498	(31) 201900009201	(87) CN2018078400
D04H 1/732	(32) 17.06.2019	20.09.2018
D04H 1/74	(33) Italy	(22) 08.03.2018
(11) EP4067549	(51) D06F 29/00	(54) WASHING MACHINE DECELERATING
(21) EP22163582.4	E03C 1/04	CLUTCH AND WASHING MACHINE
(47) 25.01.2023	D06F 39/12	(73) CHONGQING HAIER WASHING
(22) 22.03.2022	D06F 35/00	MACHINE CO., LTD.
	D06F 17/04	HAIER SMART HOME CO., LTD.

(72) CHI, Zongrui LUAN, Houli YANG, Long (31) 201710150971 (32) 14.03.2017 (33) China	(87) JP2017042681 31.05.2018 (22) 28.11.2017 (54) METHOD FOR PRODUCING COMPOSITE BODY OF FIBERS AND INORGANIC PARTICLES, AND LAMINATE CONTAINING COMPOSITE BODY OF FIBERS AND INORGANIC PARTICLES (73) Nippon Paper Industries Co., Ltd. (72) OISHI, Masatoshi FUKUOKA, Moe NAKATANI, Toru GOTO, Shisei (31) 2016230129 (32) 28.11.2016 (33) Japan	(33) European Patent Office (EPO) (51) E01B 35/00 E01B 35/02 E01B 1/00 E01B 29/32 (11) EP3995626 (21) EP21207231.8 (47) 25.01.2023 (22) 09.11.2021 (54) ASSEMBLY FOR ADJUSTING THE RAILS OF A RAILWAY TRACK TO BE CREATED AND ASSOCIATED METHOD (73) ALSTOM Transport Technologies (72) MEDINA-PINEDA, David LAHRECH, Mounira HERMOSILLA, Fabian PREVOST, Gérard (31) 2011518 (32) 10.11.2020 (33) France
(51) D06F 39/00 D06F 31/00 D06F 23/04 D06F 29/00 D06F 37/18 D06F 39/08 (11) EP2949800 (21) EP15170112.5 (47) 25.01.2023 (22) 01.06.2015 (54) LAUNDRY TREATMENT APPARATUS (73) LG Electronics Inc. (72) LEE, Jihong JEONG, Kwanwoong (31) 20140065892 (32) 30.05.2014 (33) Korea (Republic)	(51) D06M 15/564 (11) EP3940138 (21) EP20205612.3 (47) 25.01.2023 (22) 04.11.2020 (54) FUNCTIONAL RESIN MATERIAL, MANUFACTURING METHOD THEREOF, AND MOISTURE-SENSED SHRINKING FABRIC (73) TAIWAN TEXTILE RESEARCH INSTITUTE (72) JUAN, Sun-Wen LIN, Chun-Hung SUNG, Yi-Ching (31) 109123623 (32) 13.07.2020 (33) Taiwan, Chinese Taipei	(51) E01C 7/18 E01C 5/12 E01C 11/16 E01C 7/32 E01C 11/00 (11) EP3686344 (21) EP19159843.2 (47) 25.01.2023 (22) 27.02.2019 (54) WATERPROOFING PAVING FABRIC INTERLAYER SYSTEM AND METHOD OF WATERPROOFING, REPAIRING OR CONSTRUCTING A ROADWAY (73) Propex Operating Company, LLC (72) MARIENFELD, Mark Lee NICHOLS, Noah John RADER, Gregory Harding (31) 201916254268 (32) 22.01.2019 (33) United States of America
(51) D06F 39/00 D06F 39/04 A47L 15/42 (11) EP3902951 (21) EP19832976.5 (47) 25.01.2023 (87) EP2019087088 02.07.2020 (22) 27.12.2019 (54) WASHING MACHINE WITH STEAM WASHING FUNCTION (73) Arçelik Anonim Sirketi (72) USLU, Isil DOKMECI, Saadettin (31) 201820730 (32) 27.12.2018 (33) Turkey	(51) D21F 7/10 D06H 5/00 D21F 7/00 D21F 1/00 (11) EP3759277 (21) EP19871923.9 (47) 25.01.2023 (87) US2019053770 16.04.2020 (22) 30.09.2019 (54) PINTLE INSERTION TOOL (73) Astenjohnson International, Inc. (72) BORGERDING, Ted (31) 201862743898 P (32) 10.10.2018 (33) United States of America	(51) E01D 19/16 D07B 1/14 (11) EP3577274 (21) EP17710608.5 (47) 25.01.2023 (87) IB2017000214 09.08.2018 (22) 03.02.2017 (54) A STRUCTURAL CABLE HAVING AN INNER HOUSING (73) Soletanche Freyssinet (72) FABRY, Nicolas GUESDON, Matthieu SOLET, Ronan ALPMAN, Ihsan Aydin GÜZEL, Müslüm
(51) D06F 58/24 D06F 58/02 D06F 25/00 (11) EP3775356 (21) EP19713782.1 (47) 25.01.2023 (87) EP2019057547 10.10.2019 (22) 26.03.2019 (54) A LAUNDRY WASHER-DRYER (73) Arçelik Anonim Sirketi (72) USLU, Isil OZBEK, Mehmet GULDUR, Emir DOKMECI, Saadettin (31) 201804543 (32) 02.04.2018 (33) Turkey	(51) D21H 19/02 B65D 85/76 D21H 19/20 D21H 19/24 D21H 19/28 D21H 21/28 D21H 27/10 D21H 21/56 (11) EP3879030 (21) EP21165250.8 (47) 25.01.2023 (22) 05.05.2015 (54) A CHEESE PACKAGE (73) Danapak Flexibles A/S (72) DYDENSBORG, Else JOHANSEN, Peter (31) 14175809 (32) 04.07.2014	(51) E02D 27/42 (11) EP3516121 (21) EP17777643.2 (47) 25.01.2023 (87) IB2017001123 29.03.2018 (22) 15.09.2017 (54) FOUNDATION FOR A WIND TURBINE (73) Holcim Technology Ltd. (72) SCHULDT, Christian STECHE, Arne (31) 4402016
(51) D06M 11/76 B32B 5/16 D21H 17/69 D21H 19/36 D21H 27/30 D21H 17/70 D21H 17/00 (11) EP3546641 (21) EP17874567.5 (47) 25.01.2023		

(32) 26.09.2016	(72) DI BIASE, Mario	(47) 25.01.2023
(33) Austria	(31) 201700141257	(22) 22.06.2017
(51) E02F 3/04	(32) 06.12.2017	(54) METHOD OF FILLING A SANITIZING
E02F 3/36	(33) Italy	DEVICE, PARTICULARLY FOR
E02F 3/76	(51) E02F 9/20	SANITARY FIXTURES AND THE LIKE
(11) EP3792406	E02F 9/22	(73) Bolton Manitoba S.p.A.
(21) EP19800336.0	(11) EP3385456	(72) NOVITA', Luciano Mario
(47) 25.01.2023	(21) EP18166095.2	BAIGUERRA, Gianpaolo
(87) ES2019070298	(47) 25.01.2023	BIANCHI, Raoul
14.11.2019	(22) 06.04.2018	ALDERUCCIO, Gianni
(22) 07.05.2019	(54) METHOD OF CONTROLLING A FLOW	(31) UA20164706
(54) MOVABLE DEVICE FOR JOINING A	RATE OF A CONSTRUCTION MACHINE	(32) 28.06.2016
TOOL TO A LOADING MACHINE	AND SYSTEM FOR PERFORMING THE	(33) Italy
(73) Necematt, S.L.	SAME	(51) E03D 9/08
(72) ALCAINA CARBONELL, Vicente	(73) Hyundai Doosan Infracore Co., Ltd.	(11) EP3325731
(31) 201830654 U	(72) JEONG, Hee-Jun	(21) EP15745366.3
(32) 08.05.2018	YUN, Hong-Cheol	(47) 25.01.2023
(33) Spain	(31) 20170044905	(87) CH2015000107
(51) E02F 3/24	(32) 06.04.2017	26.01.2017
B65G 65/20	(33) Korea (Republic)	(22) 22.07.2015
(11) EP3841254	(51) E02F 9/28	(54) DEVICE FOR A SHOWER-WC FOR
(21) EP19753060.3	B22D 19/06	AVOIDING OVERFLOW OF THE
(47) 25.01.2023	B22D 19/14	WATER TANK
(87) EP2019071555	(11) EP3908703	(73) Presano AG
27.02.2020	(21) EP19832065.7	(72) GRABER, Daniel
(22) 12.08.2019	(47) 25.01.2023	(51) E03F 5/04
(54) BUCKET WHEEL WITH AN	(87) EP2019085953	(11) EP3527733
UNLOCKING DEVICE, AND METHOD	16.07.2020	(21) EP18210081.8
FOR PIVOTING BUCKETS OF A	(22) 18.12.2019	(47) 25.01.2023
BUCKET WHEEL	(54) TOOTH FOR ATTACHING TO AN	(22) 04.12.2018
(73) FLSmidth A/S	EXCAVATOR BUCKET	(54) METHOD FOR INSTALLING A DRAIN
(72) JANN, Markus	(73) FLSmidth A/S	OF A SANITARY FITTING
PACKE, Susanne	(72) KWIATKOWSKI, Tomasz	(73) Bette GmbH & Co. KG
KILIAN, Jörg	MÜLLER, Gabor	(31) 102018103459
WOHLGEMUTH, Christian	RAAZ, Viktor	(32) 15.02.2018
(31) 102018214187	SCHMITT, Martin	(33) Germany
(32) 22.08.2018	IRMAK, Baris	(51) E03F 5/04
(33) Germany	NEITEMEIER, Ingo	A47K 3/40
(51) E02F 3/36	TIGGES, Marc	(11) EP3339522
E02F 9/26	(31) 102019207962	(21) EP16002719.9
(11) EP3165681	202019103058 U	(47) 25.01.2023
(21) EP16191777.8	(32) 29.05.2019	(22) 22.12.2016
(47) 25.01.2023	11.01.2019	(54) SHOWER CHANNEL INSTALLATION
(22) 30.09.2016	(33) Germany	KIT OR ASSEMBLY
(54) QUICK HITCH	Germany	(73) Sanipat GmbH
(73) J.C. Bamford Excavators Limited	(51) E03C 1/042	(72) Gassmann, Urs
(72) ACKERMANN, Stephen Wilfred	E03C 1/02	(51) E04B 1/342
BIGONEY, Paul Richard	F16K 31/44	E04H 15/34
NIERENHAUSEN, Christopher Joseph	F16K 31/60	E04B 1/58
McILWAIN, Douglas	F16K 17/16	(11) EP3447206
WALTON, Ken	(11) EP3810862	(21) EP18187924.8
(31) 201518250	(21) EP18826578.9	(47) 25.01.2023
(32) 15.10.2015	(47) 25.01.2023	(22) 08.08.2018
(33) United Kingdom	(87) EP2018085240	(54) NODE CONNECTION DEVICE FOR
(51) E02F 9/08	26.12.2019	CONNECTING A FIRST PROFILE
B60K 5/12	(22) 17.12.2018	BAR WITH A SECOND PROFILE BAR
B62D 51/00	(54) VALVE WITH ROCKER	AND SUPPORT STRUCTURE DEVICE
E02F 9/20	(73) HUSQVARNA AB	WITH PROFILE BARS AND NODE
(11) EP3721021	(72) KAUPP, Rainer	CONNECTION DEVICE
(21) EP18830308.5	(31) 102018004934	(73) MDT - Gesellschaft für
(47) 25.01.2023	(32) 21.06.2018	Sonnenschutzsysteme mbH
(87) IB2018059720	(33) Germany	(31) 102017008004
13.06.2019	(51) E03D 9/00	(32) 25.08.2017
(22) 06.12.2018	E03D 9/03	(33) Germany
(54) EARTH MOVING MACHINE WITH	B29C 45/14	(51) E04B 1/41
A VERTICALLY MOVABLE ENGINE	E03D 9/02	(11) EP4062003
COMPARTMENT	(11) EP3263785	(21) EP21743084.2
(73) MDB SRL	(21) EP17177400.3	

(47) 25.01.2023	(21) EP20799982.2	(31) 1914060
(87) EP2021068684	(47) 25.01.2023	(32) 10.12.2019
10.02.2022	(87) DE2020100879	(33) France
(22) 06.07.2021	17.06.2021	(51) E05B 47/00
(54) ANCHOR RAIL AND METHOD OF	(22) 09.10.2020	E05B 41/00
MANUFACTURING AN ANCHOR RAIL	(54) DEVICE FOR DETACHABLY	E05B 47/02
(73) Wilhelm Modersohn GmbH & Co. KG	FASTENING AT LEAST ONE RAILING	(11) EP3725982
(72) MODERSOHN, Wilhelm Jochen Peter	ARRANGEMENT TO A SCAFFOLDING	(21) EP19861286.3
(31) 102020120750	ELEMENT	(47) 25.01.2023
(32) 06.08.2020	(73) Wilhelm Layher Verwaltungs-GmbH	(87) CN2019077214
(33) Germany	(72) BEHRBOHM, Wolf Christian	10.09.2020
(51) E04B 1/80	(31) 102019133939	(22) 06.03.2019
(11) EP2801676	(32) 11.12.2019	(54) LOCKSET STATE MONITORING
(21) EP14166087.8	(33) Germany	APPARATUS AND METHOD, LOCKSET
(47) 25.01.2023	(51) E04G 9/10	DRIVING APPARATUS AND LOCKSET
(22) 25.04.2014	G01L 19/14	ASSEMBLY
(54) HEAT INSULATING PANEL AND	E04B 2/86	(73) SHENZHEN GOODIX TECHNOLOGY
METHOD FOR MOUNTING CONDUITS	(11) EP3663483	CO., LTD.
(73) Fraunhofer-Gesellschaft zur Förderung	(21) EP18210069.3	(72) ZHOU, Wei
der angewandten Forschung e.V.	(47) 25.01.2023	ZHU, Ming
(72) Dinkel, Arnulf	(22) 04.12.2018	WANG, Mingliang
Coydon, Fabien	(54) SENSOR UNIT AND LOST	(51) E05B 47/06
Kagerer, Florian	FORMWORK FOR CONCRETE	E05B 47/00
(31) 102013208284	CONSTRUCTION	(11) EP3985212
(32) 06.05.2013	(73) PERI SE	(21) EP20201824.8
(33) Germany	(72) Järleberg, Mikael	(47) 25.01.2023
(51) E04B 9/04	(51) E04G 11/48	(22) 14.10.2020
(11) EP3347537	E01D 21/00	(54) KNOB FOR AN ELECTRONIC LOCKING
(21) EP16769891.9	(11) EP3857002	CYLINDER
(47) 25.01.2023	(21) EP19749698.7	(73) SimonsVoss Technologies GmbH
(87) EP2016071174	(47) 25.01.2023	(72) Voß, Norbert
16.03.2017	(87) EP2019070755	(51) E05B 79/20
(22) 08.09.2016	02.04.2020	E05B 85/12
(54) LINEAR PANEL	(22) 01.08.2019	E05B 79/06
(73) Hunter Douglas Industries B.V.	(54) STAY HEAD, CEILING STAY, CEILING	E05B 77/04
(72) VEJEN-JENSEN, Lars	FORMWORK AND METHOD FOR	(11) EP3748110
LANGEVELD, Michiel, Jacobus,	ERECTING SUCH A CEILING	(21) EP19746882.0
Johannes	FORMWORK	(47) 25.01.2023
(31) 1041463	(73) PERI SE	(87) JP2019003528
(32) 08.09.2015	(72) STURM, Florian	08.08.2019
(33) Netherlands	(31) 102018123387	(22) 31.01.2019
(51) E04F 10/08	(32) 24.09.2018	(54) INSIDE HANDLE DEVICE
E06B 7/084	(33) Germany	(73) Alpha Corporation
E06B 9/32	(51) E04H 17/16	(72) NISHIZUKA, Mitsuo
(11) EP3390743	E04H 17/18	(31) 2018014547
(21) EP16825482.9	(11) EP3892801	(32) 31.01.2018
(47) 25.01.2023	(21) EP21166723.3	(33) Japan
(87) FR2016053338	(47) 25.01.2023	(51) E05B 81/90
22.06.2017	(22) 01.04.2021	E05B 85/18
(22) 12.12.2016	(54) FENCE PANEL FOR CONSTRUCTION	E05B 85/10
(54) BUILDING COMPRISING AN	SITES AND MANUFACTURING	(11) EP3832057
AUTONOMOUSLY-MOVING MOBILE	METHOD THEREOF	(21) EP19213665.3
SUNSHADE	(73) Piazza, Simonetta	(47) 25.01.2023
(73) Commissariat à l'Energie Atomique et	(72) PIAZZA, Simonetta	(22) 04.12.2019
aux Energies Alternatives	NAVA, Fabio	(54) DOOR LEAF HANDLE FOR A MOTOR
Delta Concept	(31) 202000007489	VEHICLE
(72) QUENARD, Sébastien	(32) 08.04.2020	(73) U-Shin Italia S.p.A.
CORONEL, Philippe	(33) Italy	(72) SAVANT, Marco
DELEPIERRE, Gabriel	(51) E05B 19/04	CANNAVO, Antonino
PITONE, Gilbert	(11) EP3835518	GUERIN, Anthony
(31) 1562268	(21) EP20212951.6	ILARDO, Simone
(32) 14.12.2015	(47) 25.01.2023	(51) E05C 3/34
(33) France	(22) 10.12.2020	(11) EP3741939
(51) E04G 5/14	(54) VEHICLE KEY COMPRISING AN	(21) EP19215966.3
E04G 5/16	IMPROVED KEY CASE	(47) 25.01.2023
E04G 7/30	(73) U-Shin France	(22) 13.12.2019
E04G 7/32	(72) GINIES, Marvin	(54) LATCH AND CATCH ASSEMBLY
(11) EP4010545	PERRIN, Christophe	

(73) B/E Aerospace, Inc.	(33) Italy	SYSTEM COMPRISING SEGMENTED
(72) LAWRENCE, Robert J.	(51) E05D 15/06	WINDOW FRAME
(31) 201916419073	(11) EP3650624	(73) Filobe Co., Ltd.
(32) 22.05.2019	(21) EP19208062.0	(72) LEE, Kwang-Seog
(33) United States of America	(47) 25.01.2023	(31) 20180058870
(51) E05C 17/16	(22) 08.11.2019	(32) 24.05.2018
E05D 3/08	(54) CARRIAGE FOR A CANTILEVER	(33) Korea (Republic)
(11) EP3676469	SLIDABLE GATE	(51) E06B 9/06
(21) EP18850126.6	(73) Fratelli Comunello S.p.A.	F16H 25/20
(47) 25.01.2023	(72) COMUNELLO, Franco	E06B 9/04
(87) US2018048542	(31) 201800010182	(11) EP3262264
07.03.2019	(32) 08.11.2018	(21) EP15883627.0
(22) 29.08.2018	(33) Italy	(47) 25.01.2023
(54) SWING BAR DOOR GUARD	(51) E05F 3/10	(87) US2015059100
(73) Quiet Lock Corporation	E05F 3/12	01.09.2016
(72) THOMAS, Scott	(11) EP3916183	(22) 04.11.2015
(31) 201762553225 P	(21) EP20176648.2	(54) A BARRIER ASSEMBLY COMPRISING
(32) 01.09.2017	(47) 25.01.2023	A LINEAR ACTUATOR EXTENSION
(33) United States of America	(22) 26.05.2020	(73) Munchkin, Inc.
(51) E05D 7/04	(54) DOOR ACTUATOR FOR OPENING	(72) BIRKERT, Thomas C.
(11) EP3942136	AND/OR CLOSING A DOOR	CHAN, Sung Yun
(21) EP20708447.6	(73) dormakaba Deutschland GmbH	TRUMBO, Nicholas
(47) 25.01.2023	(72) Hellwig, Alexander	(31) 201514880125
(87) EP2020054611	Salutzki, Thomas	201562120797 P
01.10.2020	Wiemann, Sabine	(32) 09.10.2015
(22) 21.02.2020	(51) E05F 15/40	25.02.2015
(54) A COOLING APPLIANCE HAVING AN	E05F 15/53	(33) United States of America
ADJUSTABLE HINGE ASSEMBLY	E05F 15/614	United States of America
(73) Arçelik Anonim Sirketi	E05D 15/30	(51) E06B 9/15
(72) INAL, Tayfun	(11) EP2803801	(11) EP3587726
EROL, Semih	(21) EP13425076.0	(21) EP19180860.9
YAVUZ, Resul	(47) 25.01.2023	(47) 25.01.2023
AKYUZ, Ercan	(22) 17.05.2013	(22) 18.06.2019
EVREN, Ibrahim Yilmaz	(54) Electric actuator for an entry and exit	(54) FIRE RESISTANT SHUTTER DOOR,
(31) 201904277	device, in particular a door	BUILDING AND FIRE-RESISTANT SLAT
(32) 22.03.2019	(73) Isaf Bus Components S.r.l.	FOR A FIRE RESISTANT SHUTTER
(33) Turkey	(72) Sessa, Massimo	DOOR
(51) E05D 11/10	Turcatti, Gianni	(73) Metacon-Next B.V.
E05F 5/00	(51) E05G 1/14	(72) VERGUNST, Vincent
(11) EP3795790	E05G 5/00	VOS, Lambert
(21) EP20197051.4	(11) EP3467245	(31) 2021206
(47) 25.01.2023	(21) EP17195496.9	(32) 29.06.2018
(22) 18.09.2020	(47) 25.01.2023	(33) Netherlands
(54) A SNAP HINGE WITH A DAMPER	(22) 09.10.2017	(51) E06B 9/17
DEVICE	(54) SAFETY CASSETTE, ASSEMBLY WITH	(11) EP3744941
(73) Formenti & Giovenzana S.p.A.	A SAFETY CASSETTE AND METHOD	(21) EP20177543.4
(72) FORMENTI, Leonardo	FOR HANDLING PAPER MONEY	(47) 25.01.2023
(31) 201900017906	(73) Villiger, Peter	(22) 29.05.2020
19198760	(72) Villiger, Peter	(54) ACOUSTIC BOX FOR A ROLLER
(32) 03.10.2019	(51) E06B 3/26	SHUTTER
20.09.2019	E06B 3/267	(73) Soprofen
(33) Italy	E06B 3/46	(72) MITROVIC, Milan
European Patent Office (EPO)	E06B 3/54	HESS, Olivier
(51) E05D 13/00	E06B 3/58	(31) 1905815
E05D 15/58	E05D 15/06	(32) 31.05.2019
E05F 11/46	E06B 7/16	(33) France
(11) EP3938605	E06B 3/263	(51) E06B 9/266
(21) EP20716562.2	(11) EP3805507	E06B 9/327
(47) 25.01.2023	(21) EP19806572.4	(11) EP3805514
(87) IB2020052030	(47) 25.01.2023	(21) EP20178618.3
17.09.2020	(87) KR2019006290	(47) 25.01.2023
(22) 09.03.2020	28.11.2019	(22) 05.06.2020
(54) MECHANISM FOR GUIDING AND	(22) 24.05.2019	(54) FASTENING DEVICE FOR LIGHT
MOVING A DOOR	(54) INSTALLATION STRUCTURE OF	AND/OR VIEW PROTECTION
(73) CINETTO F.LLI S.R.L.	GLASS FIXING GASKET AND WINDOW	ARRANGEMENTS
(72) MARACANI, Michele	GLASS PANEL FIXING BRACKET OF	(73) Iversen, Hans
(31) 201900003683	FIXED WINDOW IN SLIDING WINDOW	(72) Iversen, Hans
(32) 13.03.2019		(31) 202019103163 U

(32) 05.06.2019	18.01.2018	(11) EP3701123
(33) Germany	(22) 13.07.2017	(21) EP18888557.8
(51) E21B 10/40	(54) POWER TONG POSITIONER	(47) 25.01.2023
E21B 4/06	(73) Rogers Oil Tools, LLC	(87) US2018064839
E21B 7/26	(72) ROGERS, Tommie, L.	20.06.2019
E21B 4/14	TRAHAN, John, William	(22) 11.12.2018
(11) EP3693532	(31) 201715432955	(54) SEAL CONDITION MONITORING
(21) EP20156549.6	201662362879 P	(73) Grant Prideco, Inc.
(47) 25.01.2023	(32) 15.02.2017	(72) JOHNSON, Austin
(22) 11.02.2020	15.07.2016	FRACZEK, Justin
(54) EARTH BORING DEVICE, METHOD	(33) United States of America	ANDERSON, Waybourn
OF MANUFACTURING A DEVICE FOR	United States of America	PICCOLO, Brian
BORING IN EARTH, METHOD OF	(51) E21B 23/00	SUNDARAMOORTHY, Saravanan
SERVICING A DEVICE FOR BORING IN	E21B 17/10	MACGREGOR, Alexander
EARTH AND USE OF A DEVICE FOR	(11) EP2699758	AMER, Kareem
BORING IN EARTH	(21) EP12716566.0	MICHAUD, George
(73) TRACTO-TECHNIK GmbH & Co. KG	(47) 25.01.2023	(31) 201862747086 P
(72) PÜTTMANN, Franz-Josef	(87) GB2012050861	201762597601 P
(31) 102019000932	26.10.2012	(32) 17.10.2018
(32) 11.02.2019	(22) 19.04.2012	12.12.2017
(33) Germany	(54) DOWNHOLE TOOL, METHOD &	(33) United States of America
(51) E21B 17/01	ASSEMBLY	United States of America
(11) EP3601713	(73) PARADIGM DRILLING SERVICES	(51) E21B 33/129
(21) EP18717426.3	LIMITED	(11) EP3592940
(47) 25.01.2023	(72) Simpson, Neil Andrew Abercrombie	(21) EP18717979.1
(87) IB2018051800	(31) 201113150	(47) 25.01.2023
27.09.2018	201106595	(87) GB2018050575
(22) 19.03.2018	(32) 29.07.2011	13.09.2018
(54) COUPLING SYSTEM BETWEEN	19.04.2011	(22) 07.03.2018
A RISER AND AN UNDERWATER	(33) United Kingdom	(54) DOWNHOLE ANCHOR MECHANISM
SUPPORTING STRUCTURE	United Kingdom	(73) ARDYNE HOLDINGS LIMITED
(73) SAIPEM S.p.A.	(51) E21B 23/00	(72) TELFER, George
(72) RADICIONI, Alessandro	E21B 33/12	WARDLEY, Michael
SERTA, Otavio	E21B 33/13	FAIRWEATHER, Alan
MORESCCHI, Giovanni	E21B 49/00	(31) 201703677
FILIPPI, Alessandro	E21B 43/10	(32) 08.03.2017
(31) 201700032863	E21B 34/14	(33) United Kingdom
(32) 24.03.2017	(11) EP3674513	(51) E21B 34/06
(33) Italy	(21) EP20158712.8	(11) EP3670827
(51) E21B 17/042	(47) 25.01.2023	(21) EP20156464.8
F16L 15/08	(22) 11.04.2008	(47) 25.01.2023
(11) EP3922807	(54) RUNNING TOOL FOR EXPANDABLE	(22) 20.11.2014
(21) EP21189945.5	LINER HANGER AND ASSOCIATED	(54) DOWNHOLE ISOLATION VALVE
(47) 25.01.2023	METHODS	WITH A DIFFERENTIAL PRESSURE
(22) 28.02.2018	(73) Halliburton Energy Services, Inc.	INDICATOR
(54) TORQUE SHOULDER OF A PREMIUM	(72) BRISCO, David	(73) Weatherford Technology Holdings, LLC
CONNECTION	WATSON, Brock	(72) KING, Kyle Allen
(73) ArcelorMittal Tubular Products	ECHOLS, Ralph	NOSKE, Joe
Luxembourg S.A.	(31) 737868	MCDOWELL, Christopher L.
(72) EVANS, Merle E.	(32) 20.04.2007	MICKENS, Brian A.
VAN WITTENBERGHE, Jeroen Stijn	(33) United States of America	(31) 201361908844 P
Juliaan	(51) E21B 33/037	(32) 26.11.2013
(31) 201715634558	E21B 33/038	(33) United States of America
201715449350	(11) EP3740647	(51) E21B 34/10
(32) 27.06.2017	(21) EP18829751.9	(11) EP3784872
03.03.2017	(47) 25.01.2023	(21) EP19723499.0
(33) United States of America	(87) EP2018083852	(47) 25.01.2023
United States of America	25.07.2019	(87) IB2019053005
(51) E21B 19/16	(22) 06.12.2018	31.10.2019
B66C 23/16	(54) SUBSEA HOUSING ASSEMBLY	(22) 11.04.2019
E21B 19/00	(73) Siemens Energy AS	(54) RESETTABLE TOE VALVE
E21B 47/00	(72) LUDWIG, Klaus	(73) Downhole Products Limited
G01N 27/00	(31) 18151877	(72) MACKAY, Alexander Craig
G01N 27/90	(32) 16.01.2018	(31) 201806561
(11) EP3485133	(33) European Patent Office (EPO)	(32) 23.04.2018
(21) EP17828500.3	(51) E21B 33/08	(33) United Kingdom
(47) 25.01.2023	E21B 21/08	(51) E21B 41/00
(87) US2017042013	E21B 47/117	E21B 34/08

(11) EP3596306	(51) F01D 5/14	(51) F01D 5/20
(21) EP18768533.4	(11) EP3894661	F04D 29/32
(47) 25.01.2023	(21) EP19839374.6	(11) EP3839215
(87) US2018022299	(47) 25.01.2023	(21) EP20215683.2
20.09.2018	(87) FR2019053004	(47) 25.01.2023
(22) 14.03.2018	18.06.2020	(22) 18.12.2020
(54) EXPANSION CHAMBER	(22) 10.12.2019	(54) ROTOR BLADE
(73) Innovex Downhole Solutions Inc.	(54) TURBOMACHINE BLADE HAVING A	(73) Raytheon Technologies Corporation
(72) LEVIE, David E. Y.	SWEEP LAW WITH HIGH FLUTTER	(72) WEISSE, Michael A.
BAYNHAM, Richard Ronald	MARGIN	(31) 201916722625
(31) 201762471072 P	(73) SAFRAN AIRCRAFT ENGINES	(32) 20.12.2019
(32) 14.03.2017	(72) GONDRE, Guillaume Pascal Jean-	(33) United States of America
(33) United States of America	Charles	(51) F01D 5/30
(51) E21B 47/01	DE CACQUERAY-VALMENIER, Nicolas	F01D 11/00
E21B 49/00	Pierre Alain Edme	F01D 5/08
(11) EP3559409	CAVAREC, Mickaël	(11) EP3049637
(21) EP17883387.7	DIEUDONNE, Sadim	(21) EP14790197.9
(47) 25.01.2023	(31) 1872700	(47) 25.01.2023
(87) US2017067695	(32) 11.12.2018	(87) FR2014052376
28.06.2018	(33) France	02.04.2015
(22) 20.12.2017	(51) F01D 5/14	(22) 23.09.2014
(54) IMPROVED ELECTRONIC MODULE	(11) EP3894662	(54) ROTARY ASSEMBLY FOR
HOUSING FOR DOWNHOLE USE	(21) EP19839376.1	TURBOMACHINE
(73) Baker Hughes Holdings LLC	(47) 25.01.2023	(73) Safran Aircraft Engines
(72) TREVIRANUS, Joachim	(87) FR2019053006	(72) LEDUC, Mathieu, Louis, Jean
WINK, Stephan	18.06.2020	CARLOS, Pierre-Louis, Alexandre
GAERTNER, Olaf	(22) 10.12.2019	ROUSSILLE, Clément
PORZIG, Daniel	(54) TURBOMACHINE BLADE HAVING A	(31) 1359237
MUELLER, Tim	MAXIMUM THICKNESS LAW WITH	(32) 25.09.2013
PETER, Andreas	HIGH FLUTTER MARGIN	(33) France
(31) 201615387995	(73) SAFRAN AIRCRAFT ENGINES	(51) F01D 9/06
(32) 22.12.2016	(72) DIEUDONNE, Sadim	F01D 11/24
(33) United States of America	CAVAREC, Mickaël	F02C 6/08
(51) E21B 47/09	GONDRE, Guillaume, Pascal, Jean-	F02C 7/18
E21B 41/00	Charles	F02C 9/18
E21B 44/00	DE CACQUERAY-VALMENIER, Nicolas	F02K 3/06
E21B 47/024	Pierre Alain Edme	(11) EP3722559
(11) EP3559411	(31) 1872701	(21) EP20168813.2
(21) EP17885379.2	(32) 11.12.2018	(47) 25.01.2023
(47) 25.01.2023	(33) France	(22) 08.04.2020
(87) US2017067776	(51) F01D 5/18	(54) TURBINE ENGINE FOR AN AIRCRAFT
28.06.2018	(11) EP3495616	(73) SAFRAN AIRCRAFT ENGINES
(22) 21.12.2017	(21) EP18210560.1	(72) DE CARNE-CARNAVALET, Vincent,
(54) EXTENDING THE RANGE OF A MEMS	(47) 25.01.2023	Marie, Jacques, Rémi
GYROSCOPE USING ECCENTRIC	(22) 05.12.2018	LAHAYE, Guillaume, Jean, Pierre
ACCELEROMETERS	(54) AIRFOIL WITH INTERNAL COOLING	(31) 1903798
(73) Baker Hughes Holdings LLC	PASSAGES	(32) 09.04.2019
(72) ESTES, Robert A.	(73) Raytheon Technologies Corporation	(33) France
RIGGS, Randell R.	(72) WHITFIELD, Christopher	(51) F01D 11/12
(31) 201615388674	CLUM, Carey	F01D 25/24
(32) 22.12.2016	MONGILLO, Jr., Dominic J.	(11) EP3899208
(33) United States of America	(31) 201715832478	(21) EP19856430.4
(51) F01D 5/08	(32) 05.12.2017	(47) 25.01.2023
F01D 21/00	(33) United States of America	(87) FR2019053173
(11) EP3705685	(51) F01D 5/18	25.06.2020
(21) EP20171985.3	(11) EP3495620	(22) 18.12.2019
(47) 25.01.2023	(21) EP18210571.8	(54) TURBINE SHROUD ASSEMBLY
(22) 12.12.2016	(47) 25.01.2023	(73) SAFRAN AIRCRAFT ENGINES
(54) SYSTEM AND METHOD OF REDUCING	(22) 05.12.2018	(72) DANIS, Antoine, Claude, Michel, Etienne
POST-SHUTDOWN ENGINE	(54) AIRFOIL WITH INTERNAL COOLING	DUFFAU, Clément, Jean, Pierre
TEMPERATURES	PASSAGES	JARROSSAY, Clément
(73) General Electric Company	(73) Raytheon Technologies Corporation	TABLEAU, Nicolas, Paul
(72) BAYRAKTAR, Ilhan	(72) WHITFIELD, Christopher	QUENNEHEN, Lucien, Henri, Jacques
BAYRAKTAR, Tuba	CLUM, Carey	(31) 1873404
ELBIBARY, Mohamed	MONGILLO, Jr., Dominic J.	(32) 19.12.2018
(31) 201514984531	(31) 201715832430	(33) France
(32) 30.12.2015	(32) 05.12.2017	(51) F01D 11/24
(33) United States of America	(33) United States of America	(11) EP3535479

(21) EP17801074.0	(54) SEAL RUNNER WITH DEFLECTOR AND CATCHER FOR GAS TURBINE ENGINE	(54) HYBRID VEHICLE
(47) 25.01.2023		(73) Siemens Mobility GmbH
(87) FR2017052964		(72) BEDAU, Christian
11.05.2018	(73) Raytheon Technologies Corporation	(72) HINTERMEIR, Stefan
(22) 27.10.2017	(72) DAVIS, Todd A.	(31) 102019210714
(54) COOLING DEVICE FOR A TURBINE OF A TURBOMACHINE	(72) HUMPHRIES, Dale C.	(32) 19.07.2019
(73) Safran Aircraft Engines	(31) 201916373879	(33) Germany
(72) JOUY, Baptiste, Marie, Aubin, Pierre	(32) 03.04.2019	(51) F01P 11/02
CONTINI, Nicolas	(33) United States of America	F24D 3/10
DOUBLIER, Arnaud	(51) F01L 1/18	(11) EP3504409
DUBOIS DOROGI, Vincent	F01L 1/24	(21) EP17844032.7
PRESTEL, Sébastien, Jean, Laurent	F01L 1/053	(47) 25.01.2023
	F02F 1/24	(87) SE2017050805
(31) 1660708	(11) EP3744953	01.03.2018
(32) 04.11.2016	(21) EP20161690.1	(22) 09.08.2017
(33) France	(47) 25.01.2023	(54) VEHICLE EXPANSION TANK SEALING, SEALING ASSEMBLY, VEHICLE EXPANSION TANK AND VEHICLE WITH EXPANSION TANK
(51) F01D 11/24	(22) 09.03.2020	(73) Scania CV AB
(11) EP3891364	(54) CYLINDER HEAD, AND ENGINE	(72) MUSTONEN, Markus
(21) EP19880956.8	(73) Mazda Motor Corporation	KARDOS, Zoltan
(47) 25.01.2023	(72) ONISHI, Takakazu	HULT, Johanna
(87) FR2019000198	(31) 2019099540	
11.06.2020	(32) 28.05.2019	
(22) 03.12.2019	(33) Japan	
(54) METHOD FOR COOLING A TURBINE CASING FOR A TURBOMACHINE	(51) F01N 3/20	(31) 1651127
(73) SAFRAN AIRCRAFT ENGINES	F01N 3/28	(32) 23.08.2016
(72) GIRARDEAU, Julian, Nicolas	F01N 13/00	(33) Sweden
ROTENBERG, Maxime, Aurélien	B01F 23/213	(51) F02B 63/04
(31) 1872479	B01F 25/314	(11) EP3443212
(32) 07.12.2018	B01F 25/432	(21) EP17718133.6
(33) France	B01F 25/433	(47) 25.01.2023
(51) F01D 17/16	(11) EP3812557	(87) IB2017052094
F04D 29/051	(21) EP20197088.6	19.10.2017
(11) EP3770381	(47) 25.01.2023	(22) 11.04.2017
(21) EP20184740.7	(22) 21.09.2020	(54) MODULAR GENSET ENCLOSURE COMPONENTS
(47) 25.01.2023	(54) MIXER	(73) Cummins Power Generation Limited
(22) 08.07.2020	(73) Purem GmbH	(72) GOLECZKA, Peter A.
(54) SELF RETAINED LINKAGE AND SYSTEM INCLUDING THE SELF RETAINED LINKAGE FOR A GAS TURBINE ENGINE	(72) Uysal, Fatih	READ, Gordon A.
(73) Raytheon Technologies Corporation	Kurpejovic, Enver	(31) 201662321582 P
(72) FASSETT, Jacob	(31) 102019130305	(32) 12.04.2016
PIETRZYK, Slawomir	102019128504	(33) United States of America
(31) 201916522150	(32) 11.11.2019	(51) F02C 3/107
(32) 25.07.2019	22.10.2019	F02C 7/36
(33) United States of America	(33) Germany	F01D 5/02
(51) F01D 25/12	Germany	F01D 5/06
F02C 7/18	(51) F01N 3/20	F01D 21/04
F02C 9/18	F01N 13/18	(11) EP3938635
F02C 7/143	(11) EP3819484	(21) EP20721675.5
(11) EP3734043	(21) EP20199180.9	(47) 25.01.2023
(21) EP20172468.9	(47) 25.01.2023	(87) FR2020000053
(47) 25.01.2023	(22) 30.09.2020	17.09.2020
(22) 30.04.2020	(54) EXHAUST GAS SYSTEM FOR AN INTERNAL COMBUSTION ENGINE AND METHOD OF MANUFACTURING OF AN EXHAUST GAS SYSTEM	(22) 11.03.2020
(54) HEAT TRANSFER AUGMENTATION FEATURE	(73) Purem GmbH	(54) CURVIC COUPLING FOR AN AIRCRAFT TURBOMACHINE
(73) Raytheon Technologies Corporation	(72) Uysal, Fatih	(73) Safran Helicopter Engines
(72) ROBERGE, Gary D.	Kurpejovic, Enver	(72) DESCUBES, Olivier, Pierre
(31) 201962842000 P	Uebele, Dietmar	BATLLE, Frédéric, Ferdinand, Jacques
(32) 02.05.2019	(31) 102019129795	(31) 1902529
(33) United States of America	(32) 05.11.2019	(32) 12.03.2019
(51) F01D 25/18	(33) Germany	(33) France
F16J 15/3268	(51) F01P 7/16	(51) F02C 9/22
(11) EP3719268	(11) EP3959426	F02C 9/54
(21) EP20168074.1	(21) EP20719351.7	(11) EP3739191
(47) 25.01.2023	(47) 25.01.2023	(21) EP20174540.3
(22) 03.04.2020	(87) EP2020059505	(47) 25.01.2023
	28.01.2021	(22) 13.05.2020
	(22) 03.04.2020	(54) VARIABLE AREA TURBINE NOZZLE AND METHOD

(73) Honeywell International Inc.	(54) TURBULATORS FOR AN INTERNAL COMBUSTION ENGINE	(22) 31.01.2019
(72) JAN, David K.	(73) Caterpillar Energy Solutions GmbH	(54) ROTARY AXIAL VALVE
GIEBERT, Dietmar	(72) Snuis, Hans-Bernhard	(73) Garrett Transportation I Inc.
CUNNINGHAM, Jr., Thomas G.	Schelle, Jörg	(72) Zatko, Miroslav
(31) 201916412771	(31) 201600792	Krejci, Jaroslav
(32) 15.05.2019	(32) 15.01.2016	Planka, Jakub
(33) United States of America	(33) United Kingdom	Klement, Jan
(51) F02C 9/28	(51) F02K 1/06	(31) 201815889642
B64D 31/06	B64D 33/04	(32) 06.02.2018
G05D 1/06	F02K 1/10	(33) United States of America
(11) EP3219965	(11) EP3001019	(51) F02M 35/02
(21) EP17160897.9	(21) EP15184197.0	B01D 46/24
(47) 25.01.2023	(47) 25.01.2023	F02M 35/08
(22) 14.03.2017	(22) 08.09.2015	(11) EP3538754
(54) TAKEOFF POWER MANAGEMENT SYSTEM AND METHOD FOR GAS TURBINE ENGINES	(54) METHODS AND APPARATUS FOR PASSIVE THRUST VECTORING AND PLUME DEFLECTION	(21) EP17870566.1
(73) Raytheon Technologies Corporation	(73) The Boeing Company	(47) 25.01.2023
(72) FEULNER, Matthew R.	(72) Cerra, David F.	(87) US2017061147
WALTHER, Ronald S.	Willie, Robert H.	17.05.2018
(31) 201615072869	Prieto, Alvaro	(22) 10.11.2017
(32) 17.03.2016	(31) 201414496526	(54) CYCLONIC AIR FILTER ASSEMBLY FOR AN ENGINE
(33) United States of America	(32) 25.09.2014	(73) Briggs & Stratton, LLC
(51) F02D 9/10	(33) United States of America	(72) GLEIXNER, Steven G.
F02M 26/70	(51) F02K 1/12	JOHNSON, Robert
F02M 26/71	F02K 1/80	(31) 201762460032 P
(11) EP3551867	F02K 1/15	201662421098 P
(21) EP17811264.5	(11) EP3816424	(32) 16.02.2017
(47) 25.01.2023	(21) EP20202608.4	11.11.2016
(87) EP2017081201	(47) 25.01.2023	(33) United States of America
14.06.2018	(22) 19.10.2020	United States of America
(22) 01.12.2017	(54) AN EXHAUST NOZZLE FOR A GAS TURBINE ENGINE	(51) F02P 9/00
(54) FLAP DEVICE	(73) Rolls-Royce plc	F02P 5/15
(73) Pierburg GmbH	(72) Colebrooke, Jack	F02D 41/12
(72) SCHNELLE, Sascha	(31) 201915792	(11) EP3491232
WEISER, Michael	(32) 31.10.2019	(21) EP17754486.3
WEIDMANN, Bernd	(33) United Kingdom	(47) 25.01.2023
(31) 102016123738	(51) F02K 1/76	(87) IB2017054390
(32) 08.12.2016	(11) EP3924612	08.02.2018
(33) Germany	(21) EP20707736.3	(22) 20.07.2017
(51) F02D 19/06	(47) 25.01.2023	(54) METHOD FOR CONTROLLING THE OPERATION OF A TWO-STROKE SPARK IGNITION INTERNAL COMBUSTION ENGINE
F02D 13/02	(87) FR2020050233	(73) Emak S.p.A.
F02D 19/00	20.08.2020	(72) BARBOLINI, Gianluca
F02D 19/02	(22) 10.02.2020	GAGLIARDI, Vincenzo
F02D 41/00	(54) SYSTEM FOR CONTROLLING A THRUST REVERSER FOR A NACELLE	GRISENDI, Alessandro
(11) EP3317503	(73) Safran Nacelles	(31) 201600080647
(21) EP16740943.2	(72) CARUEL, Pierre	(32) 01.08.2016
(47) 25.01.2023	GIARD, Régis	(33) Italy
(87) AT2016050232	DESCAMPS, Alexandre	(51) F03B 13/22
05.01.2017	VANCON, Philippe	(11) EP3927961
(22) 24.06.2016	(31) 1901503	(21) EP20707527.6
(54) METHOD FOR CONTROLLING AN ENGINE	(32) 14.02.2019	(47) 25.01.2023
(73) Innio Jenbacher GmbH & Co OG	(33) France	(87) IB2020051435
(72) THALHAUSER, Josef	(51) F02M 26/05	27.08.2020
SPYRA, Nikolaus	F02M 26/43	(22) 20.02.2020
MUSU, Ettore	F02M 26/70	(54) DEVICE FOR GENERATING HYDROELECTRIC ENERGY
(31) 4162015	F02M 26/71	(73) Van Rompay, Boudewijn Gabriël
(32) 30.06.2015	F02B 37/18	(72) Van Rompay, Boudewijn Gabriël
(33) Austria	F02B 37/22	(31) 201905110
(51) F02F 1/00	F16K 11/085	(32) 20.02.2019
F02B 77/04	F16K 11/052	(33) Belgium
F02F 3/28	F02M 26/52	(51) F03D 1/02
(11) EP3192994	(11) EP3521588	F03D 5/00
(21) EP16204988.6	(21) EP19154815.5	F03D 9/25
(47) 25.01.2023	(47) 25.01.2023	(11) EP3622173
(22) 19.12.2016		

(21) EP18723695.5	(72) Schmidt, Soeren Adrian	(31) 201862760880 P
(47) 25.01.2023	(51) F03D 80/70	(32) 13.11.2018
(87) DK2018050093	F03D 80/50	(33) United States of America
15.11.2018	(11) EP3670901	(51) F04C 2/107
(22) 04.05.2018	(21) EP18382940.7	F04C 29/00
(54) A WIND ENERGY PARK COMPRISING	(47) 25.01.2023	F04C 15/00
AIRBORNE WIND ENERGY SYSTEMS	(22) 18.12.2018	(11) EP4008903
(73) Vestas Wind Systems A/S	(54) METHOD FOR RELOCATING THE YAW	(21) EP20211922.8
(72) BAUN, Torben Ladegaard	BEARING OF A WIND TURBINE	(47) 25.01.2023
(31) PA201770332	(73) Nordex Energy Spain, S.A.U.	(22) 04.12.2020
(32) 11.05.2017	(72) NUÑEZ POLO, Miguel	(54) ROTOR UNIT AND ECCENTRIC
(33) Denmark	ARLABÁN GABEIRAS, Teresa	SCREW PUMP
(51) F03D 1/06	GARCÍA SAYÉS, José Miguel	(73) ViscoTec Pumpen- und Dosiertechnik
(11) EP3848573	FERNÁNDEZ FARALDO, Francisco	GmbH
(21) EP20217866.1	Pigueiras Martínez, Vicente	(72) KELSCH, Horst
(47) 25.01.2023	Franco Caaveiro, José Ramón	AUER, Jürgen
(22) 30.12.2020	(51) F03D 80/80	(51) F04C 18/02
(54) METHODS FOR MANUFACTURING	H02G 5/06	F04C 29/02
BLADE STRUCTURES	(11) EP3732373	F04C 23/00
(73) General Electric Company	(21) EP18842519.3	(11) EP3974652
(72) Buravalla, Vidyashankar Ramasastry	(47) 25.01.2023	(21) EP21163597.4
Mathew, Paul	(87) EP2018084671	(47) 25.01.2023
Krishnamurthy, Sriram	04.07.2019	(22) 19.03.2021
(31) 202016739244	(22) 13.12.2018	(54) SCROLL COMPRESSOR
(32) 10.01.2020	(54) BUSBAR HOUSING FOR A WIND	(73) LG Electronics Inc.
(33) United States of America	TURBINE	(72) CHOI, Yongkyu
(51) F03D 7/04	(73) Flyteg GmbH & Co. Kg	PARK, Junghoon
F03D 7/02	(72) WIECHERS, Jörg	KIM, Taekyoung
(11) EP3613982	(31) 202017107951 U	(31) 20200124936
(21) EP19192617.9	(32) 29.12.2017	(32) 25.09.2020
(47) 25.01.2023	(33) Germany	(33) Korea (Republic)
(22) 20.08.2019	(51) F03H 1/00	(51) F04D 13/06
(54) METHOD FOR CONTROLLING	(11) EP3938652	F04D 29/62
OPERATION OF A WIND TURBINE	(21) EP20725875.7	F04D 29/42
(73) General Electric Company	(47) 25.01.2023	(11) EP3867533
(72) Evans, Scott Charles	(87) FR2020050501	(21) EP19801972.1
Delpont, Sara Simonne Louisa	24.09.2020	(47) 25.01.2023
Davoust, Samuel	(22) 11.03.2020	(87) IB2019058826
Virani, Nurali	(54) CHAMBER BOTTOM FOR A PLASMA	23.04.2020
Shartzer, Samuel Bryan	THRUSTER	(22) 16.10.2019
(31) 201816105076	(73) SAFRAN AIRCRAFT ENGINES	(54) MAGNETIC DRIVE CENTRIFUGAL
(32) 20.08.2018	(72) VAUDOLON, Julien, Pierre, Alain	PUMP
(33) United States of America	INDERSIE, Dominique, Jean, Etienne	(73) Eurosets S.r.l.
(51) F03D 17/00	GODARD, Laurent, Alexandre, René	(72) GHELLI, Nicola
F03D 7/02	DE TINGUY, Tiphaine	FONTANILI, Paolo
(11) EP3721082	MAYEUL, Fabrice, François, Julien	COSTA MAIANI, Edgardo
(21) EP18819020.1	VALLAT, Romain	(31) 201800009500
(47) 25.01.2023	(31) 1902712	(32) 16.10.2018
(87) EP2018083557	(32) 15.03.2019	(33) Italy
13.06.2019	(33) France	(51) F04D 17/16
(22) 04.12.2018	(51) F04B 23/00	F04D 29/02
(54) WIND-TURBINE TOWER TO BLADE-	F04B 49/02	(11) EP3628872
TIP MEASURING SYSTEM	F04B 49/10	(21) EP19193582.4
(73) Nidec SSB Wind Systems GmbH	B25B 21/00	(47) 25.01.2023
(72) BERTOLOTI, Fabio	F04B 53/08	(22) 26.08.2019
(31) 17001973	F15B 19/00	(54) VOLUMETRIC RESISTANCE BLOWERS
(32) 04.12.2017	F15B 20/00	(73) INTEL Corporation
(33) European Patent Office (EPO)	F15B 21/0423	(72) KENNEDY, David
(51) F03D 80/50	(11) EP3653888	CARDENAS, Ruander
(11) EP3696407	(21) EP19208915.9	MACDONALD, Mark
(21) EP19157228.8	(47) 25.01.2023	RAUPP, James
(47) 25.01.2023	(22) 13.11.2019	(31) 201862737278 P
(22) 14.02.2019	(54) HYDRAULIC POWER SYSTEM AND	(32) 27.09.2018
(54) SAFETY SYSTEM FOR A WIND	METHOD FOR CONTROLLING SAME	(33) United States of America
TURBINE	(73) Enerpac Tool Group Corp.	(51) F04D 17/16
(73) Siemens Gamesa Renewable Energy A/	(72) HUGHES, Nathan Adam	F04D 29/42
S	VAN WEELDEN, Curtis L.	F04D 29/62
	KEETON, Benajmin W.	

F23D 14/34	(87) US2014043336	(72) DERELÖV, Peter
F23D 14/62	23.12.2015	(31) 1751640
(11) EP3739216	(22) 20.06.2014	(32) 22.12.2017
(21) EP20167595.6	(54) ZONED MANIFOLD ASSEMBLY FOR	(33) Sweden
(47) 25.01.2023	SOLENOID VALVE CONTROL SYSTEM	(51) F16B 12/26
(22) 01.04.2020	(73) Asco, L.P.	(11) EP3594514
(54) INFLOW DEVICE FOR A GAS BLOWER	(72) ATKIN, Bradly, Joe	(21) EP19195833.9
(73) ebm-papst Landshut GmbH	DE CAROLIS, Enrico	(47) 25.01.2023
(72) PETRYSZAK, Christian	HUNDT, Michael, W.	(22) 17.12.2015
SCHMIDT, Tobias	(51) F15B 15/14	(54) PANELS COMPRISING A MECHANICAL
(31) 102019112645	B64C 25/60	LOCKING DEVICE
(32) 14.05.2019	(11) EP3708853	(73) Vålinge Innovation AB
(33) Germany	(21) EP19213593.7	(72) BOO, Christian
(51) F04D 29/16	(47) 25.01.2023	DERELÖV, Peter
F04D 29/32	(22) 04.12.2019	(31) 1451611
(11) EP3626974	(54) RETENTION SYSTEMS FOR LIGHT	(32) 19.12.2014
(21) EP19200968.6	WEIGHT ACTUATOR GLANDS	(33) Sweden
(47) 25.01.2023	(73) Goodrich Corporation	(51) F16B 15/08
(22) 25.10.2011	(72) GOLDRING, Eric	F16B 15/02
(54) OUTDOOR UNIT FOR AN AIR	GANIS, Rony	(11) EP4027026
CONDITIONER	(31) 201916298928	(21) EP21150547.4
(73) LG Electronics Inc.	(32) 11.03.2019	(47) 25.01.2023
(72) CHOI, Seokho	(33) United States of America	(22) 07.01.2021
MOON, Dongsoo	(51) F16B 5/06	(54) NAIL, IN PARTICULAR FOR USE IN A
(31) 20100105396	H05K 5/00	NAILING APPARATUS
(32) 27.10.2010	F16B 21/02	(73) Raimund Beck Nageltechnik GmbH
(33) Korea (Republic)	(11) EP3663592	(72) SIEMERS, Stefan
(51) F04D 29/28	(21) EP18210173.3	(51) F16C 27/06
F04D 25/06	(47) 25.01.2023	F03D 80/70
F04D 29/42	(22) 04.12.2018	(11) EP3739227
F04D 29/44	(54) CONNECTOR SYSTEM	(21) EP20171373.2
(11) EP3670926	(73) Gustav Hensel GmbH & Co. KG	(47) 25.01.2023
(21) EP19203892.5	(72) BAETZ, Marcus	(22) 24.04.2020
(47) 25.01.2023	(51) F16B 11/00	(54) BEARING FOR A WIND TURBINE
(22) 17.10.2019	B23P 19/00	DRIVETRAIN HAVING AN ELASTOMER
(54) COMPRESSOR WHEEL FOR	B23P 19/06	SUPPORT
COMPRESSING A FLUID MEDIUM	F16L 23/00	(73) General Electric Company
(73) Robert Bosch GmbH	F16L 23/14	(72) Krauss, Thomas
(72) Baeuerle, Michael	F24F 13/02	(31) 201916399022
Schepp, Rene	(11) EP3740686	(32) 30.04.2019
Mayer, Joerg	(21) EP20744669.1	(33) United States of America
(31) 102018222065	(47) 25.01.2023	(51) F16D 23/02
(32) 18.12.2018	(87) TR2020050010	(11) EP3748184
(33) Germany	30.07.2020	(21) EP19178402.4
(51) F15B 11/22	(22) 08.01.2020	(47) 25.01.2023
F15B 11/20	(54) SERIAL SCREW ATTACHING SYSTEM	(22) 05.06.2019
F15B 13/02	ON CLIPS	(54) A SYNCHRONIZING RING
E02F 3/43	(73) Sente Makina Insaat Sanayi Ve Ticaret	(73) Ningbo Geely Automobile Research &
B66F 7/20	Limited Sirketi	Development Co., Ltd.
B66F 9/22	(72) DOGAN, Yavuz	(72) BARRIENTOS BLANCO, Eva
(11) EP3742001	KIRANTAY, Ali Lütfü	(51) F16D 48/02
(21) EP20165275.7	(31) 201901044	E02F 9/22
(47) 25.01.2023	(32) 23.01.2019	F16H 61/00
(22) 24.03.2020	(33) Turkey	F16H 61/68
(54) HYDRAULIC SYSTEM HOISTING AND	(51) F16B 12/20	B60W 30/186
AUTO-LEVELLING A TOOL	F16B 5/06	B60W 10/02
(73) Hydac S.p.A.	F16B 21/08	(11) EP3415778
(72) GUERZONI, Davide	(11) EP3728869	(21) EP17843419.7
TIBILETTI, Luca	(21) EP18890665.5	(47) 25.01.2023
(31) 201900007047	(47) 25.01.2023	(87) JP2017029102
(32) 21.05.2019	(87) SE2018051320	01.03.2018
(33) Italy	27.06.2019	(22) 10.08.2017
(51) F15B 13/042	(22) 14.12.2018	(54) WHEEL LOADER AND METHOD FOR
F15B 13/08	(54) A SET OF PANELS, A METHOD FOR	CONTROLLING A WHEEL LOADER
F16K 11/10	ASSEMBLY OF THE SAME AND A	(73) Komatsu Ltd.
(11) EP3158240	LOCKING DEVICE FOR A FURNITURE	(72) ENOMOTO, Ryota
(21) EP14895117.1	PRODUCT	IKARI, Masanori
(47) 25.01.2023	(73) Vålinge Innovation AB	

YAJIMA, Kentaro	(33) Germany	(47) 25.01.2023
NISHIMURA, Takuma	(51) F16H 57/031	(87) JP2014082247
(31) 2016165741	(11) EP3827184	18.06.2015
(32) 26.08.2016	(21) EP19742521.8	(22) 05.12.2014
(33) Japan	(47) 25.01.2023	(54) SLIDING COMPONENT
(51) F16D 55/36	(87) EP2019025227	(73) Eagle Industry Co., Ltd.
B66D 5/22	30.01.2020	(72) ITADANI Masatoshi
F16D 59/00	(22) 11.07.2019	SUNAGAWA Kazumasa
(11) EP3715660	(54) GEARED MOTOR	(31) 2013254440
(21) EP19215041.5	(73) Sew-Eurodrive GmbH & Co. KG	(32) 09.12.2013
(47) 25.01.2023	(72) MORITZ, Thorsten	(33) Japan
(22) 10.12.2019	WIECZOREK, Dorothee	(51) F16K 1/52
(54) SELF ADJUSTING AUTOMATIC LOAD BRAKE	(31) 102018005800	B05C 5/02
(73) Goodrich Corporation	(32) 24.07.2018	F16K 31/06
(72) MAGHSOODI, Bejan	(33) Germany	(11) EP3754229
LIMAS, Zachary	(51) F16H 61/662	(21) EP20190060.2
(31) 201916370049	F16H 63/06	(47) 25.01.2023
(32) 29.03.2019	F16H 9/18	(22) 24.05.2017
(33) United States of America	F16H 55/56	(54) VALVE FOR FLOWABLE MEDIA, IN PARTICULAR GLUE VALVE
(51) F16D 65/56	(11) EP3721120	(73) Focke & Co. (GmbH & Co. KG)
(11) EP3685068	(21) EP18821753.3	(72) Walter, Jan-Christian
(21) EP17771663.6	(47) 25.01.2023	Stegen, Marc-Daniel
(47) 25.01.2023	(87) IB2018059576	(31) 102016006785
(87) EP2017001121	13.06.2019	(32) 06.06.2016
28.03.2019	(22) 03.12.2018	(33) Germany
(22) 21.09.2017	(54) CONTINUOUS VARIATION TRANSMISSION DEVICE WITH ADJUSTMENT DEVICE	(51) F16K 3/02
(54) WRAP SPRING AND WRAP SPRING ASSEMBLY	(73) Piaggio & C. SpA	F16K 5/06
(73) ZF CV Systems Europe BV	(72) NESTI, Paolo	F16K 3/314
(72) GROSSKOPF, Ralf	MARIOTTI, Walter	F16K 5/16
KLOOS, Eugen	FRESCHI, Giacomo	(11) EP3529519
(51) F16F 15/121	(31) 201700140043	(21) EP16919564.1
F16F 15/133	(32) 05.12.2017	(47) 25.01.2023
F16F 15/16	(33) Italy	(87) US2016058117
F16F 15/123	(51) F16J 15/08	26.04.2018
F16F 15/134	F01D 9/02	(22) 21.10.2016
(11) EP3899316	F01D 11/00	(54) DUAL FACE-TYPE SEAT SEAL ARRANGEMENT FOR VALVE APPLICATIONS
(21) EP19832628.2	(11) EP3983703	(73) FMC Technologies, Inc.
(47) 25.01.2023	(21) EP20763988.1	(72) UNGCHUSRI, Tep
(87) EP2019085839	(47) 25.01.2023	CHIRKO, Roman
25.06.2020	(87) EP2020072086	TIVIROLI-MELCHERT, Gabriel
(22) 18.12.2019	11.03.2021	(51) F16K 3/24
(54) TORSIONAL VIBRATION DAMPER ASSEMBLY FOR THE POWERTRAIN OF A VEHICLE	(22) 06.08.2020	F16J 15/16
(73) ZF Friedrichshafen AG	(54) SEAL FOR COMBUSTION APPARATUS	F16K 3/26
(72) GROSSGEBAUER, Uwe	(73) Siemens Energy Global GmbH & Co. KG	F16K 1/46
LORENZ, Daniel	(72) BARTLEY, Robert H.	(11) EP3658806
HOFFELNER, Ingrid	RABEN, Markus	(21) EP18743377.6
CARLSON, Cora	AKSIT, Mahmut Faruk	(47) 25.01.2023
(31) 102018222306	BERTONCELLO, James	(87) US2018040847
(32) 19.12.2018	DURAN, Ertugrul Tolga	31.01.2019
(33) Germany	DYSZKIEWICZ, Wojciech	(22) 05.07.2018
(51) F16G 15/02	GORGUN, Erdem	(54) SEAL ASSEMBLIES FOR USE WITH FLUID VALVES
F16G 15/12	HAZER, Sadik	(73) Fisher Controls International LLC
(11) EP4007861	WEAVER, Adam J.	(72) JACKSON, Trenton, Frank
(21) EP20743982.9	YURDDAS, Ali Ihsan	(31) 201715658147
(47) 25.01.2023	ZHOU, Kunyuan	(32) 24.07.2017
(87) EP2020069934	(31) 201962896008 P	(33) United States of America
04.02.2021	19210381	(51) F16K 11/052
(22) 15.07.2020	(32) 05.09.2019	F16K 27/02
(54) CHAIN LINK	20.11.2019	F16K 1/42
(73) J.D. Theile GmbH & Co. KG	(33) United States of America	(11) EP3805620
(72) WIRTZ, Torsten	European Patent Office (EPO)	(21) EP20201022.9
KULMS, Fabian	(51) F16J 15/34	(47) 25.01.2023
(31) 202019104124 U	F16C 33/72	(22) 09.10.2020
(32) 26.07.2019	F16C 17/04	
	(11) EP3091257	
	(21) EP14868985.4	

(54) A VALVE ASSEMBLY WITH SEALINGS FITTED INTO GROOVES IN THE VALVE ASSEMBLY HOUSING	(22) 27.03.2019	(73) JFE Steel Corporation
(73) Agrisys A/S	(54) DEVICE FOR PREVENTING THE MANIPULATION OF A STOPCOCK	(72) KAWAI Takamasa
(72) SCHMIDT, Marcio A. KIRK, Mikael	(73) GRDF	YOSHIKAWA Masaki
(31) PA201970638	(72) CARRE, Romuald FRONTERO, Philippe	TAKANO Jun
(32) 11.10.2019	(31) 1852733	NAGAHAMA Takuya
(33) Denmark	(32) 29.03.2018	SEKI Haruhiko
(51) F16K 15/02	(33) France	(31) 2018038495
F16K 27/02	(51) F16K 37/00	(32) 05.03.2018
(11) EP3784935	F16K 17/194	(33) Japan
(21) EP19734765.1	(11) EP3221623	(51) F16L 19/028
(47) 25.01.2023	(21) EP15805348.8	(11) EP3961078
(87) EP2019067226	(47) 25.01.2023	(21) EP20193157.3
02.01.2020	(87) US2015060988	(47) 25.01.2023
(22) 27.06.2019	26.05.2016	(22) 27.08.2020
(54) CHECK VALVE SYSTEM	(22) 17.11.2015	(54) METHOD FOR COATING A SCREW ELEMENT, SCREW ELEMENT AND PIPE CONNECTION DEVICE
(73) medmix Switzerland AG	(54) PRESSURE VACUUM RELIEF VALVE PROVIDING MONITORING CAPABILITIES	(73) TI Automotive (Heidelberg) GmbH
(72) TURNER, Hayden FAINO, Garrett	(73) Regulator Technologies Tulsa, LLC	(72) Stahn, Andreas
(31) 201816023701	(72) MYERS, James	Weick, Georg
(32) 29.06.2018	BOWYER, Johnny	(51) F16L 21/00
(33) United States of America	(31) 201514931521	F16L 21/02
(51) F16K 31/06	201462080802 P	F16L 21/03
F16K 39/02	(32) 03.11.2015	F16L 53/32
(11) EP3696455	17.11.2014	F16L 17/02
(21) EP20155989.5	(33) United States of America	F16L 25/12
(47) 25.01.2023	United States of America	F16L 37/12
(22) 06.02.2020	(51) F16K 37/00	F16L 37/133
(54) ELECTROMAGNETICALLY ACTUATED VALVE	G05B 15/02	F16L 37/138
(73) SVM Schultz Verwaltungs-GmbH & Co. KG	G05B 23/02	(11) EP4042050
(72) Wassermann, Ralph	(11) EP3418824	(21) EP20808440.0
Weiß, Johann	(21) EP17205449.6	(47) 25.01.2023
(31) 102019103447	(47) 25.01.2023	(87) EP2020083201
(32) 12.02.2019	(22) 18.04.2013	10.06.2021
(33) Germany	(54) METHODS AND APPARATUS FOR ANALYZING EFFECTS OF FRICTION ON PROCESS CONTROL DEVICES	(22) 24.11.2020
(51) F16K 31/06	(73) Fisher Controls International LLC	(54) FLUID CIRCUIT COMPRISING A CONNECTING FITTING FOR PIPES, COMPRISING A GUIDE MEMBER FOR A HEATER DUCT
H01M 8/04	(72) ANDERSON, Shawn W.	(73) Airbus Atlantic
F02M 63/00	(31) 201213451862	(72) PERHERIN, Daniel
H01M 8/04089	(32) 20.04.2012	(31) 1913858
(11) EP3608568	(33) United States of America	(32) 06.12.2019
(21) EP18781442.1	(51) F16L 11/08	(33) France
(47) 25.01.2023	F16L 11/12	(51) F16L 37/086
(87) JP2018014261	(11) EP4048929	F16L 37/098
11.10.2018	(21) EP21791005.8	F16L 33/22
(22) 03.04.2018	(47) 25.01.2023	(11) EP3956595
(54) ELECTROMAGNETIC VALVE HAVING DURABILITY AGAINST OXYGEN, HYDROGEN, AND WATER	(87) IB2021058716	(21) EP19748774.7
(73) Shinwa Controls Co., Ltd.	21.04.2022	(47) 25.01.2023
(72) ICHIYAMA, Ryoji	(22) 24.09.2021	(87) EP2019070132
OOKA, Hidemitsu	(54) FLEXIBLE HOSE WITH A QR CODE	22.10.2020
YAJIMA, Hiroki	(73) FITT SPA	(22) 25.07.2019
(31) 2017073850	(72) PETRONILLI, Andrea	(54) COUPLING SLEEVE FOR A QUICK- ACTING HOSE COUPLING
(32) 03.04.2017	STRAZZARI, Luca	(73) Husqvarna AB
(33) Japan	(31) 202000024055	(72) RENNER, Thomas
(51) F16K 31/60	(32) 13.10.2020	(31) 102019002830
F16K 35/10	(33) Italy	(32) 18.04.2019
G05G 1/12	(51) F16L 15/04	(33) Germany
G05G 5/28	E21B 17/042	(51) F16L 55/00
(11) EP3775646	(11) EP3763981	F16L 41/00
(21) EP19720944.8	(21) EP19764512.0	G01M 3/28
(47) 25.01.2023	(47) 25.01.2023	E03B 7/07
(87) FR2019050700	(87) JP2019005177	E03B 7/04
03.10.2019	12.09.2019	F17D 5/02
	(22) 14.02.2019	F16L 13/14
	(54) SCREW JOINT FOR OIL WELL PIPE	(11) EP3722650

(21) EP20161228.0	(73) Automotive Lighting Reutlingen GmbH	(72) Rocard, Florian
(47) 25.01.2023	(72) SAMEK, Frantisek	Taron, Alexandre
(22) 05.03.2020	STANG, Andreas	
(54) A LEAK DETECTOR AND A METHOD OF INSTALLING A LEAK DETECTOR	(31) 202018107292 U	(51) F21V 33/00
(73) Silotek Oy	(32) 19.12.2018	(11) EP3739261
(72) HARNIO, Aku	(33) Germany	(21) EP20175000.7
(31) 20195171	(51) F21S 41/153	(47) 25.01.2023
(32) 08.03.2019	F21S 41/20	(22) 15.05.2020
(33) Finland	F21S 41/663	(54) LIGHTING APPARATUS WITH ILLUMINATED SIGN-BOARD
(51) F21K 9/232	G02B 27/00	(73) Self Electronics Co., Ltd.
F21K 9/237	G02B 19/00	SELF ELECTRONICS Germany GmbH
F21K 9/66	(11) EP3671304	Lin, Wanjong
F21V 23/00	(21) EP19217309.4	(72) ZENG, Guoqing
F21V 29/503	(47) 25.01.2023	He, Zuping
F21V 29/508	(22) 18.12.2019	Xu, Kai
F21V 29/56	(54) METHOD FOR CONSTRUCTING AN OPTICAL ELEMENT FOR A MOTOR VEHICLE HEADLIGHT	(31) 201910415070
F21V 29/70	(73) Marelli Automotive Lighting Reutlingen (Germany) GmbH	(32) 17.05.2019
F21V 31/04	(72) Kiesel, Markus	(33) China
F21V 3/08	(31) 102018132866	(51) F22B 1/28
F21Y 115/10	(32) 19.12.2018	F24C 15/32
(11) EP3995732	(33) Germany	A21B 3/04
(21) EP20217740.8	(51) F21S 41/25	A47J 27/04
(47) 25.01.2023	F21S 41/675	(11) EP3938705
(22) 30.12.2020	(11) EP3483498	(21) EP20708452.6
(54) LIGHTING DEVICE AND BULB	(21) EP18201893.7	(47) 25.01.2023
(73) Hangzhou Hangke Optoelectronics Co., Ltd.	(47) 25.01.2023	(87) EP2020054853
(72) YAN, Qianjun	(22) 23.10.2018	17.09.2020
ZHENG, Zhaozhang	(54) VEHICLE HEADLIGHT DEVICE	(22) 25.02.2020
MA, Lingli	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(54) A COOKING DEVICE COMPRISING A WATER TANK
(31) 202022548640 U	(72) MOURI, Fumihiko	(73) Arçelik Anonim Sirketi
202011230118	KITAZONO, Takuya	(72) YERLIKAYA, Turgut
(32) 06.11.2020	(31) 2017205975	YAMAN, Yalcin
06.11.2020	(32) 25.10.2017	CENGİZ, Osman
(33) China	(33) Japan	SARIER, Hakan
China	(51) F21V 8/00	(31) 201903620
(51) F21S 41/00	G02B 27/01	(32) 11.03.2019
F21S 43/235	(11) EP2422228	(33) Turkey
F21W 107/00	(21) EP10715331.4	(51) F23D 1/00
F21K 9/61	(47) 25.01.2023	F23K 3/00
F21S 10/00	(87) GB2010050639	F23K 5/00
F21S 41/24	28.10.2010	F23D 14/70
F21S 43/239	(22) 19.04.2010	F23D 14/84
F21V 8/00	(54) IMPROVEMENTS IN OPTICAL WAVEGUIDES	(11) EP3903029
(11) EP3686482	(73) BAE Systems PLC	(21) EP19848894.2
(21) EP18858494.0	(72) SIMMONDS, Michael, David	(47) 25.01.2023
(47) 25.01.2023	VALERA, Mohamed, Salim	(87) FR2019053230
(87) KR2018010736	(31) 0906707	02.07.2020
28.03.2019	09275026	(22) 20.12.2019
(22) 13.09.2018	(32) 20.04.2009	(54) BURNER WITH ADJUSTABLE FLAME
(54) LIGHTING DEVICE	20.04.2009	(73) Fives Pillard
(73) LG Innotek Co., Ltd.	(33) United Kingdom	(72) LE PIVER, Gaël
(72) LIM, Eay Jin	European Patent Office (EPO)	LAROCHE, Pascal
BAEK, Seung Jong	(51) F21V 14/02	SAID, Fouad
HAN, Kyu Sung	F21V 19/02	(31) 1874343
(31) 20170121070	F21V 5/04	(32) 28.12.2018
(32) 20.09.2017	F21W 131/103	(33) France
(33) Korea (Republic)	F21Y 115/10	(51) F23D 14/06
(51) F21S 41/148	(11) EP3470730	(11) EP3940294
F21S 41/19	(21) EP17195682.4	(21) EP21185691.9
(11) EP3671014	(47) 25.01.2023	(47) 25.01.2023
(21) EP19202186.3	(22) 10.10.2017	(22) 14.07.2021
(47) 25.01.2023	(54) LIGHTING UNIT AND LUMINAIRE FOR ROAD AND/OR STREET LIGHTING	(54) BURNER WITH MULTIPLE SECTIONS
(22) 09.10.2019	(73) ZG Lighting France S.A.S	(73) Whirlpool Corporation
(54) LED HEADLIGHT MODULE AND LED LIGHT MODULE FOR USE IN SUCH AN LED HEADLIGHT MODULE		(72) Caloca, Victor Gerardo
		Manrique, Victor H.
		(31) 202016930625
		(32) 16.07.2020

(33) United States of America	F23R 3/34	(47) 25.01.2023
(51) F23G 5/00	(11) EP3809044	(22) 31.08.2020
F23G 5/50	(21) EP19216269.1	(54) A COOKING DEVICE COMPRISING A COOKING STONE
F23H 7/08	(47) 25.01.2023	(73) Arçelik Anonim Sirketi
(11) EP3699490	(22) 13.12.2019	(72) GULBAY, Berrin
(21) EP18868297.5	(54) GASTURBINE ENGINE WITH A FUEL MANIFOLD	GOCER, Mehmet Baris
(47) 25.01.2023	(73) Collins Engine Nozzles, Inc.	YAYLA, Sonat
(87) JP2018037827	(72) PROCIW, Lev A.	KARDAS, Gunay
25.04.2019	RYON, Jason	(31) 201914264
(22) 10.10.2018	ZINK, Gregory	(32) 19.09.2019
(54) STOKER FURNACE FOR BURNING MATERIAL TO BE INCINERATED	(31) 201916656752	(33) Turkey
(73) Mitsubishi Heavy Industries Environmental & Chemical Engineering Co., Ltd.	(32) 18.10.2019	(51) F24C 15/12
(72) SAWAMOTO Yoshimasa	(33) United States of America	(11) EP3619474
SATOU Jun	(51) F24C 3/08	(21) EP17725867.0
(31) 2017201342	F24C 15/32	(47) 25.01.2023
(32) 17.10.2017	(11) EP3495738	(87) EP2017060454
(33) Japan	(21) EP18214353.7	08.11.2018
(51) F23J 3/02	(47) 25.01.2023	(22) 03.05.2017
F24H 9/00	(22) 24.05.2016	(54) COOKING APPLIANCE WITH IMPROVED ASSEMBLAGE
F24B 13/00	(54) COOKING DEVICE	(73) Arçelik Anonim Sirketi
F28G 1/00	(73) LG Electronics Inc.	(72) BICER, Emrah
F28G 1/06	(72) LEE, Kookhaeng	MAMATOGLU, Mehmet Murat
(11) EP4056900	WIE, Jaehyuk	TARIMTORU, Merih
(21) EP21161524.0	KIM, Seungyoun	OFLUGIL, Ilhan
(47) 25.01.2023	(31) 20150072921	(51) F24C 15/32
(22) 09.03.2021	(32) 26.05.2015	(11) EP3620722
(54) BIOMASS HEATING SYSTEM WITH AN IMPROVED CLEANING DEVICE	(33) Korea (Republic)	(21) EP18192609.8
(73) SL-Technik GmbH	(51) F24C 7/08	(47) 25.01.2023
(72) SOMMERAUER, Thilo	(11) EP3183501	(22) 04.09.2018
(51) F23R 3/08	(21) EP15750048.9	(54) GAS CONVECTION OVEN
F23R 3/26	(47) 25.01.2023	(73) Whirlpool Corporation
F23R 3/50	(87) EP2015068568	(72) Crow, Nicholas E.
(11) EP3667167	25.02.2016	Fiolomia, Federico
(21) EP19215043.1	(22) 12.08.2015	Lacche, Tiziano
(47) 25.01.2023	(54) OPERATING DEVICE FOR A DOMESTIC APPLIANCE HAVING A ROTARY RING AND HAVING A LIGHT STRIP	Pascucci, Chiara
(22) 10.12.2019	(73) BSH Hausgeräte GmbH	Vitaloni, Valentina
(54) COMBUSTOR LINER FOR GAS TURBINE ENGINE	(72) GOSS, Ulrich	(51) F24D 10/00
(73) Raytheon Technologies Corporation	ORTMANN, Christoph	F24D 3/18
(72) Khoun, Laengheng	SACHON, Robert	F24F 5/00
Pietraszkiewicz, Edward F	(31) 102014216398	F24F 11/62
Kinnaman, Joshua E.	(32) 19.08.2014	F24F 11/67
(31) 201816214824	(33) Germany	(11) EP3891437
(32) 10.12.2018	(51) F24C 7/08	(21) EP19813509.7
(33) United States of America	H04N 5/235	(47) 25.01.2023
(51) F23R 3/28	H04N 5/238	(87) EP2019083403
F02C 7/22	(11) EP3742051	11.06.2020
(11) EP3770502	(21) EP20171453.2	(22) 03.12.2019
(21) EP19213478.1	(47) 25.01.2023	(54) CONTROLLING OF A THERMAL ENERGY DISTRIBUTION SYSTEM
(47) 25.01.2023	(22) 27.04.2020	(73) E.ON Sverige AB
(22) 04.12.2019	(54) LIGHTING CONTROL OF FOOD PRODUCTS	(72) ROSÉN, Per
(54) MULTIPOINT FUEL INJECTION SYSTEM AND RELATED MANUFACTURING METHOD	(73) Miele & Cie. KG	SKOGSTRÖM, Jacob
(73) Collins Engine Nozzles, Inc.	(72) Stein, Karsten	ROSENQVIST, Fredrik
(72) RYON, Jason	Heimann, Thorsten Karl	LINDOFF, Bengt
PROCIW, Lev A.	Bußmann, Arndt	(31) 18210957
ZINK, Gregory A.	Kersting, André	(32) 07.12.2018
(31) 201916518282	Lind, Martin	(33) European Patent Office (EPO)
(32) 22.07.2019	(31) 102019113281	(51) F24D 10/00
(33) United States of America	(32) 20.05.2019	F24D 19/10
(51) F23R 3/28	(33) Germany	G05D 16/00
F02C 7/22	(51) F24C 14/00	G05D 16/20
	F24C 15/16	(11) EP3894757
	(11) EP3795907	(21) EP19813573.3
	(21) EP20193642.4	(47) 25.01.2023
		(87) EP2019084188
		18.06.2020

(22) 09.12.2019	(54) FILTER, MANUFACTURING METHOD FOR FILTER AND AIR CONDITIONER	(72) HANSEN, William G.
(54) DISTRIBUTION PUMP ARRANGEMENT FOR A HYDRAULIC DISTRIBUTION SYSTEM HAVING CHANGING FLOWING DIRECTION	(73) GD Midea Heating & Ventilating Equipment Co., Ltd.	KUJAK, Stephen A.
(73) E.ON Sverige AB	Midea Group Co., Ltd.	(31) 201762610464 P
(72) ROSÉN, Per	(72) ZHANG, Tiegang	(32) 26.12.2017
SKOGSTRÖM, Jacob	XU, Yongfeng	(33) United States of America
ROSENQVIST, Fredrik	LAO, Tongbing	
LINDOFF, Bengt	WU, Yandong	(51) F24F 11/70
(31) 18211861	HE, Shiqiang	A61B 5/11
(32) 12.12.2018	CUI, Chunlei	A61B 5/16
(33) European Patent Office (EPO)	(31) 201821004410 U	F24F 1/008
(51) F24F 1/00	201821005858 U	A61L 9/12
F24F 11/42	201810676450	F24F 120/14
F25B 13/00	(32) 27.06.2018	F24F 8/50
F25B 47/02	27.06.2018	(11) EP3779306
F25B 40/00	27.06.2018	(21) EP19776612.4
F24F 1/0059	(33) China	(47) 25.01.2023
F24F 11/67	China	(87) JP2019012117
F24F 13/30	China	03.10.2019
F24F 11/84	(51) F24F 11/00	(22) 22.03.2019
(11) EP3734167	F24F 11/64	(54) AROMA RELEASING SYSTEM
(21) EP18893462.4	F24F 11/86	(73) DAIKIN INDUSTRIES, LTD.
(47) 25.01.2023	F24F 110/20	(72) KITAGAWA, Keita
(87) CN2018115747	F24F 110/22	HANDA, Youichi
04.07.2019	(11) EP3604948	(31) 2018070250
(22) 15.11.2018	(21) EP18908881.8	(32) 30.03.2018
(54) AIR CONDITIONER SYSTEM	(47) 25.01.2023	(33) Japan
(73) Qingdao Haier Air Conditioner General Corp., Ltd.	(87) CN2018084902	(51) F24F 11/74
Chongqing Haier Air Conditioner Co., Ltd	12.09.2019	F24F 13/10
(72) WANG, Fei	(22) 27.04.2018	F24F 7/06
FU, Yu	(54) AIR CONDITIONER, CONTROL METHOD THEREFOR AND	F24F 8/10
LUO, Rongbang	COMPUTER READABLE STORAGE MEDIUM	F24F 8/70
XU, Wenming	(73) GD Midea Air-Conditioning Equipment Co., Ltd.	F24F 13/08
(31) 201711474368	Midea Group Co., Ltd.	F24F 7/00
(32) 29.12.2017	(72) MA, Lie	F24F 110/68
(33) China	Ji, Ansheng	(11) EP3903045
(51) F24F 1/0011	ZHENG, Xiong	(21) EP19849024.5
F24F 13/14	Qi, Tao	(47) 25.01.2023
(11) EP3361165	(31) 201810199869	(87) EP2019087002
(21) EP18155379.3	(32) 09.03.2018	02.07.2020
(47) 25.01.2023	(33) China	(22) 24.12.2019
(22) 06.02.2018	(51) F24F 11/30	(54) DEVICE FOR REDUCING THE RADON CONCENTRATION IN A CONFINED SPACE
(54) AIR CONDITIONER	F24F 11/52	(73) Radoff S.r.l.
(73) Samsung Electronics Co., Ltd.	F24F 11/58	(72) CASSITTA, Domenico
(72) PARK, Hyun Uk	F24F 11/89	CASSITTA, Giovanni Piero
PARK, Chan Young	(11) EP3460345	(31) 201800021160
EOM, Tae-In	(21) EP16902303.3	(32) 27.12.2018
JEONG, Young Kyun	(47) 25.01.2023	(33) Italy
(31) 20170173985	(87) JP2016064453	(51) F24F 13/20
20170018747	23.11.2017	F24F 1/0047
(32) 18.12.2017	(22) 16.05.2016	F24F 13/22
10.02.2017	(54) AIR CONDITIONING MANAGEMENT DEVICE AND PROGRAM	F24F 1/0011
(33) Korea (Republic)	(73) Mitsubishi Electric Corporation	F24F 13/14
Korea (Republic)	(72) KOMIYA, Noriyuki	(11) EP3885667
(51) F24F 3/16	(51) F24F 11/36	(21) EP19888699.6
F24F 13/28	(11) EP3505842	(47) 25.01.2023
B01D 46/00	(21) EP18213237.3	(87) JP2019039390
B01D 46/24	(47) 25.01.2023	04.06.2020
(11) EP3657083	(22) 17.12.2018	(22) 04.10.2019
(21) EP18924370.2	(54) RETROFITTING R-410A HVAC PRODUCTS TO HANDLE FLAMMABLE REFRIGERANTS	(54) INDOOR UNIT OF AIR-CONDITIONER
(47) 25.01.2023	(73) Trane International Inc.	(73) DAIKIN INDUSTRIES, LTD.
(87) CN2018124324		(72) KIMURA, Tsuyoshi
02.01.2020		SUHARA, Ryoua
(22) 27.12.2018		SHIOHAMA, Kousuke
		NAKAYAMA, Toshimichi
		(31) 2018224565
		(32) 30.11.2018
		(33) Japan

(51) F24F 13/30	F25B 47/02	A23L 5/30
F24F 13/20	F25B 45/00	F25D 11/02
F24F 13/22	(11) EP3933302	(11) EP3707447
F24F 13/28	(21) EP20183239.1	(21) EP18795340.1
F24F 1/00	(47) 25.01.2023	(47) 25.01.2023
(11) EP2851627	(22) 30.06.2020	(87) EP2018078671
(21) EP12873781.4	(54) DYNAMIC LIQUID RECEIVER AND	09.05.2019
(47) 25.01.2023	CONTROL STRATEGY	(22) 19.10.2018
(87) JP2012002414	(73) Trane International Inc.	(54) A REFRIGERATOR EXTENDING
10.10.2013	(72) TISSERAND, Philippe Del Marcel	THE SHELF-LIFE OF THE FOOD
(22) 06.04.2012	RAIMBAULT, Yves Jacques	PRODUCTS PLACED THEREIN
(54) FLOOR-MOUNTED AIR CONDITIONER	KOENIGSECKER, Stephane David	(73) Arçelik Anonim Sirketi
(73) Mitsubishi Electric Corporation	(51) F25D 17/04	(72) AKINCI, Irem
(72) IKEDA, Takashi	(11) EP3933312	ERCAN, Veysi
YAMAGUCHI, Koji	(21) EP21176408.9	AKSIN, Yasin
YAMASHITA, Tetsuo	(47) 25.01.2023	(31) 201717333
TAZAWA, Tetsuya	(22) 28.05.2021	(32) 06.11.2017
NAKAGAWA, Yoshiyuki	(54) A SMART REFRIGERATOR	(33) Turkey
(51) F24H 3/00	COMPRISING A UV LIGHT SOURCE	(51) F25D 25/02
H05B 3/00	(73) Arçelik Anonim Sirketi	F25D 27/00
H01M 10/627	(72) DUMAN, Deniz	(11) EP3904801
H01M 10/615	COSAN, Ahmet Ferit	(21) EP21165718.4
H01M 10/6562	GOL, Gokhan	(47) 25.01.2023
H01M 50/213	AKYILDIZ, Emre	(22) 29.03.2021
H01M 50/264	BACAK, Cihat	(54) A REFRIGERATOR COMPRISING AN
(11) EP3676540	(31) 202010231	ILLUMINATED CRISPER
(21) EP18812241.0	(32) 29.06.2020	(73) Arçelik Anonim Sirketi
(47) 25.01.2023	(33) Turkey	(72) BACAK, Cihat
(87) FR2018052745	(51) F25D 17/04	AKYILDIZ, Emre
23.05.2019	F16K 17/196	COSAN, Ahmet Ferit
(22) 07.11.2018	(11) EP3956616	(31) 202006705
(54) HEATING APPARATUS COMPRISING	(21) EP20713602.9	(32) 29.04.2020
A BATTERY INSTALLED WITHIN THE	(47) 25.01.2023	(33) Turkey
ENTRY FRESH AIR FLOW	(87) EP2020057953	(51) F28D 7/00
(73) Lancey Energy Storage	22.10.2020	F28D 7/16
(72) CHATILLON, Yohann	(22) 23.03.2020	F28D 21/00
MEYER, Raphaël	(54) A COOLING APPLIANCE HAVING	F25B 39/02
MOREAU, Gilles	IMPROVED VACUUM REMOVAL	(11) EP3842724
(31) 1760818	SYSTEM	(21) EP20215167.6
(32) 16.11.2017	(73) Arçelik Anonim Sirketi	(47) 25.01.2023
(33) France	(72) EROL, Semih	(22) 17.12.2020
(51) F25B 1/00	YAVUZ, Resul	(54) HEAT EXCHANGER AND HEAT
F04B 39/00	AKYUZ, Ercan	EXCHANGE SYSTEM INCLUDING THE
F04C 23/00	EVREN, Ibrahim Yilmaz	SAME
F04C 29/02	YASAR, Mehmet	(73) Carrier Corporation
F25B 1/10	(31) 201905623	(72) ZHANG, Wei
(11) EP3835685	(32) 16.04.2019	ALAHYARI, Abbas A.
(21) EP19866259.5	(33) Turkey	ESFORMES, Jack Leon
(47) 25.01.2023	(51) F25D 23/06	(31) 201911346709
(87) JP2019037670	F25D 23/08	(32) 24.12.2019
02.04.2020	A47F 3/04	(33) China
(22) 25.09.2019	A47L 15/42	(51) F28D 7/00
(54) MULTISTAGE COMPRESSION SYSTEM	F24C 15/34	F28D 9/00
(73) DAIKIN INDUSTRIES, LTD.	(11) EP3792575	(11) EP3814713
(72) OKAMOTO, Daisuke	(21) EP20193977.4	(21) EP19745318.6
KAJIWARA, Mikio	(47) 25.01.2023	(47) 25.01.2023
NISHIDE, Yohei	(22) 01.09.2020	(87) NL2019050348
TOMIOKA, Naoto	(54) STANDOFF ASSEMBLY FOR A	12.12.2019
ADACHI, Masaaki	HOUSEHOLD APPLIANCE	(22) 07.06.2019
OHNISHI, Yousuke	(73) Whirlpool Corporation	(54) TUBE ASSEMBLY FOR A TUBE-TYPE
UENO, Akitoshi	(72) Ickes, Jacob Charles	HEAT EXCHANGER DEVICE
HORITA, Takuya	Miller, Dustin Michael	(73) Apex International Holding B.V.
TAKEGAMI, Masaaki	Naik, Abhay	(72) DINULESCU, Mircea
(31) 2018185073	Stewart, Aaron Michael	KITZHOFFER, Jens
(32) 28.09.2018	(31) 201916567080	(31) 2021088
(33) Japan	(32) 11.09.2019	(32) 08.06.2018
(51) F25B 13/00	(33) United States of America	(33) Netherlands
F25B 49/02	(51) F25D 23/12	(51) F28D 21/00

F25J 1/02	(54) ADIABATIC COOLER OR CONDENSER	(87) ZA2020050011
F28D 15/00	COMPRISING A MEMBER FOR	06.08.2020
F04D 29/58	GENERATING VARIABLE PRESSURE	(22) 27.01.2020
F25J 3/04	LOSS	(54) CONTROL CIRCUIT FOR A
F28D 1/02	(73) Jacir	DETONATOR
(11) EP3904815	(72) DUHAMEL, Philippe	(73) Detnet South Africa (Pty) Ltd
(21) EP21170518.1	(31) 2013891	(72) KRUGER, Michiel Jacobus
(47) 25.01.2023	(32) 22.12.2020	MAURISSENS, Daniel Auguste
(22) 26.04.2021	(33) France	LABUSCHAGNE, Albertus Abraham
(54) PROCESS FOR ENHANCED CLOSED- CIRCUIT COOLING SYSTEM	(51) F41G 1/38	KOEKEMOER, Andre Louis
(73) AIR PRODUCTS AND CHEMICALS, INC.	(11) EP3408605	(31) 201900559
(72) LUO, Xukun	(21) EP17704879.0	(32) 28.01.2019
MOYLE, Todd M.	(47) 25.01.2023	(33) South Africa
(31) 202016862839	(87) US2017015041	
(32) 30.04.2020	03.08.2017	(51) G01B 5/00
(33) United States of America	(22) 26.01.2017	G01B 5/012
(51) F28F 9/02	(54) TURRET WITH A ZERO STOP	G01Q 20/00
F28D 7/16	(73) Sheltered Wings, Inc. D/b/a/ Vortex	G01Q 30/06
(11) EP3811018	Optics	(11) EP3752790
(21) EP19729008.3	(72) HAMILTON, David	(21) EP19753991.9
(47) 25.01.2023	ROSEN, Michael	(47) 25.01.2023
(87) EP2019065097	(31) 201662287665 P	(87) US2019018204
26.12.2019	(32) 27.01.2016	22.08.2019
(22) 11.06.2019	(33) United States of America	(22) 15.02.2019
(54) HEAT EXCHANGER	(51) F41G 1/38	(54) METROLOGY DEVICE WITH
(73) BASF SE	G02B 23/04	AUTOMATED COMPENSATION
(72) KREUZ, James P	G02B 27/16	AND/OR ALERT FOR ORIENTATION
GLIDDEN, Bryan L.	(11) EP3833925	ERRORS
FIERRO, David M	(21) EP19883622.3	(73) The L.S. Starrett Company
(31) 201862688645 P	(47) 25.01.2023	(72) WILKINSON, Jeffrey M.
18183578	(87) US2019045493	(31) 201862631939 P
(32) 22.06.2018	22.05.2020	(32) 18.02.2018
16.07.2018	(22) 07.08.2019	(33) United States of America
(33) United States of America	(54) A DISPLAY SYSTEM FOR A VIEWING	
European Patent Office (EPO)	OPTIC	(51) G01B 11/00
(51) F28F 9/02	(73) Sheltered Wings, Inc. D/b/a/ Vortex	G01B 11/24
F28D 9/00	Optics	G01B 5/012
B23K 1/00	(72) HAMILTON, Sam	G01B 11/25
B23K 1/008	KLEMM, Ian	G01B 21/04
B23K 1/19	HAVENS, Calen	B23Q 17/24
B23K 15/00	CODY, Tom	B23Q 3/155
B23K 26/242	SCHULTZ, Craig	B23Q 17/20
B23K 26/26	BOLLIG, Garrison	(11) EP3550260
B23K 26/32	CARLSON, Andy	(21) EP17876139.1
(11) EP3653984	LOWRY, William	(47) 25.01.2023
(21) EP19208360.8	LEWIS, Alexander	(87) JP2017042648
(47) 25.01.2023	LAUFENBERG, Nicholas, B.	07.06.2018
(22) 11.11.2019	(31) 201862716176 P	(22) 28.11.2017
(54) PLATE FIN HEAT EXCHANGER	(32) 08.08.2018	(54) THREE-DIMENSIONAL
FLEXIBLE MANIFOLD STRUCTURE	(33) United States of America	MEASUREMENT DEVICE
(73) Hamilton Sundstrand Corporation	(51) F41H 5/14	(73) Hexagon Metrology Kabushiki Kaisha
(72) STREETER, James	F41H 5/08	(72) SUZUKI Satoshi
FENG, Feng	(11) EP3527926	SUZUKI Masahiro
MILLER, Matthew W.	(21) EP19157003.5	SANO Yohichi
(31) 201816193723	(47) 25.01.2023	(31) 2016231200
(32) 16.11.2018	(22) 13.02.2019	(32) 29.11.2016
(33) United States of America	(54) BALLISTIC DOLLY SYSTEM	(33) Japan
(51) F28F 13/08	(73) Tyr Tactical, LLC	
F28B 1/06	(72) Beck, Jason	(51) G01B 21/04
F28D 5/00	(31) 201815896840	(11) EP3708945
F28D 5/02	(32) 14.02.2018	(21) EP19162769.4
(11) EP4019882	(33) United States of America	(47) 25.01.2023
(21) EP21208966.8	(51) F42C 19/12	(22) 14.03.2019
(47) 25.01.2023	F42C 15/40	(54) EVALUATION OF MEASUREMENT
(22) 18.11.2021	F42D 1/04	DATA FROM A MEASUREMENT OF A
	(11) EP3918269	PLURALITY OF WORKPIECES
	(21) EP20709116.6	(73) Carl Zeiss Industrielle Messtechnik
	(47) 25.01.2023	GmbH
		(72) RÜGER, Oliver
		GÖRSCH, Daniel
		(51) G01B 21/26

(11) EP3688409	(51) G01C 21/16	G06N 3/08
(21) EP18731043.8	G01C 25/00	G06N 5/00
(47) 25.01.2023	(11) EP3899432	G01P 3/481
(87) EP2018065248	(21) EP19829550.3	G01P 15/08
04.04.2019	(47) 25.01.2023	G01P 21/02
(22) 11.06.2018	(87) EP2019086286	(11) EP3998460
(54) METHOD FOR DETERMINING A	25.06.2020	(21) EP21210052.3
WHEEL CAMBER OR A TOE	(22) 19.12.2019	(47) 25.01.2023
(73) Continental Reifen Deutschland GmbH	(54) METHOD FOR CHARACTERISING AN	(22) 16.12.2019
(72) SAHLMÜLLER, Baldo	INERTIAL MEASUREMENT UNIT	(54) ENCODER DEVICE AND METHOD FOR
LEHMANN, Jörg	(73) Safran Electronics & Defense	DETERMINING A KINEMATIC VALUE
(31) 102017217309	(72) ELIE, Philippe	(73) SICK AG
(32) 28.09.2017	DAVI, Frédéric	(72) Brugger, Simon
(33) Germany	LIGNON, Christian	Sellmer, Christian
(51) G01C 15/00	(31) 1873747	Hopp, David
G01S 17/66	(32) 21.12.2018	Thomae, Dominic
(11) EP3677872	(33) France	(51) G01D 11/24
(21) EP20159851.3	(51) G01C 21/34	(11) EP3346721
(47) 25.01.2023	G05D 1/02	(21) EP16842103.0
(22) 17.12.2014	B60W 60/00	(47) 25.01.2023
(54) SURVEYING INSTRUMENT	B60W 50/00	(87) KR2016007314
(73) Kabushiki Kaisha Topcon	(11) EP3861291	09.03.2017
(72) NISHITA, Nobuyuki	(21) EP19891683.5	(22) 06.07.2016
(31) 2013271153	(47) 25.01.2023	(54) ACCESSORY
(32) 27.12.2013	(87) CN2019127123	(73) LG Electronics Inc.
(33) Japan	24.06.2021	(72) KIM, Dooyul
(51) G01C 15/02	(22) 20.12.2019	KIM, Kyoungtae
G01S 17/08	(54) SPLINE CURVE AND SPIRAL	Ji, Sanghoon
G06F 3/01	CURVE BASED REFERENCE LINE	RYU, Jisung
(11) EP3795947	SMOOTHING METHOD	GOO, Kyeonggyu
(21) EP20195253.8	(73) Baidu.com Times Technology (Beijing)	EOM, Dajeong
(47) 25.01.2023	Co., Ltd.	KIM, Sangin
(22) 09.09.2020	Baidu USA LLC	(31) 20150181789
(54) SURVEY SYSTEM AND SURVEY	(72) MA, Lin	20150124846
METHOD USING EYEWEAR DEVICE	ZHU, Fan	201662341566 P
(73) Topcon Corporation	XU, Xin	(32) 18.12.2015
(72) KIKUCHI, Takeshi	(51) G01D 3/08	03.09.2015
(31) 2019168967	(11) EP3056866	25.05.2016
(32) 18.09.2019	(21) EP16155175.9	(33) Korea (Republic)
(33) Japan	(47) 25.01.2023	Korea (Republic)
(51) G01C 19/5691	(22) 11.02.2016	United States of America
G01C 19/5783	(54) DIAGNOSTIC REPORTING FOR	(51) G01D 11/24
(11) EP3605018	SENSOR INTEGRATED CIRCUITS	G01D 11/30
(21) EP19189196.9	(73) Melexis Technologies NV	(11) EP3906392
(47) 25.01.2023	(72) PEEV, Rumen	(21) EP20707000.4
(22) 30.07.2019	GAYDOV, Stoyan	(47) 25.01.2023
(54) GYROSCOPE	WILCZEK, Klaus	(87) EP2020054039
(73) Innalabs Limited	(31) 201562114856 P	08.10.2020
(72) BEITIA, Jose	(32) 11.02.2015	(22) 17.02.2020
(31) 201812364	(33) United States of America	(54) POSITION DETERMINING IN A HIGH
(32) 30.07.2018	(51) G01D 5/244	PRESSURE AREA
(33) United Kingdom	(11) EP3729003	(73) Siemens Aktiengesellschaft
(51) G01C 21/00	(21) EP18842428.7	(72) BURGHARD, Matthias Johannes
G05D 1/02	(47) 25.01.2023	DENK, Joachim
G06V 20/56	(87) FR2018053297	FESTA, Marco
G08G 1/01	27.06.2019	(31) 19166193
(11) EP3236212	(22) 14.12.2018	(32) 29.03.2019
(21) EP16166511.2	(54) DETECTION AND ACCOMMODATION	(33) European Patent Office (EPO)
(47) 25.01.2023	OF INTERMITTENT OPEN CIRCUITS	(51) G01D 21/00
(22) 22.04.2016	ON AN ENGINE SENSOR OF AN	H04L 67/10
(54) METHOD FOR GENERATING	AIRCRAFT TURBINE ENGINE	H04L 67/12
NAVIGATION DATA AND A NAVIGATION	(73) Safran Aircraft Engines	(11) EP3667252
DEVICE FOR PERFORMING THE	(72) ANTONIO, Gilian Thierry	(21) EP18844774.2
METHOD	ESTEVE, Gwenael Thierry	(47) 25.01.2023
(73) Volvo Car Corporation	(31) 1762365	(87) JP2018026629
(72) Lin-Sörstedt, Mr. Joakim	(32) 18.12.2017	14.02.2019
Schäfer, Alexander	(33) France	(22) 17.07.2018
(51) G01D 5/347		

(54) SENSOR MANAGEMENT UNIT, SENSOR DEVICE, SENSOR MANAGEMENT METHOD, AND SENSOR MANAGEMENT PROGRAM	(22) 03.04.2020	(11) EP3762694
(73) Omron Corporation	(54) THERMOPILE-BASED FLOW SENSING DEVICE	(21) EP18909233.1
(72) YAMATO, Tetsuji	(73) Honeywell International Inc.	(47) 25.01.2023
NAITO, Takeshi	(72) HIGASHI, Robert	(87) CN2018115737
ODA, Toshihiko	BECK, Scott Edward	12.09.2019
YOSHIKAWA, Taiji	WANG, Yong-Fa	(22) 15.11.2018
(31) 2017230052	BENTLEY, Ian	(54) DEVICE FOR MEASURING THE TEMPERATURE OF A CONDUCTOR
2017153899	HOOVER, Bill	(73) ABB Schweiz AG
(32) 30.11.2017	(31) 201916389647	(72) HUANG, Siyuan
09.08.2017	(32) 19.04.2019	XU, Guanmian
(33) Japan	(33) United States of America	SU, Yonghui
Japan	(51) G01F 1/84	(31) 201810194237
(51) G01D 21/00	(11) EP3935350	(32) 09.03.2018
H04L 67/12	(21) EP20705191.3	(33) China
H04W 84/18	(47) 25.01.2023	(51) G01K 11/32
(11) EP3643090	(87) EP2020053827	G01H 9/00
(21) EP18820255.0	10.09.2020	G01L 1/24
(47) 25.01.2023	(22) 14.02.2020	(11) EP3640618
(87) US2018034188	(54) CORIOLIS SENSOR AND CORIOLIS MEASURING DEVICE WITH CORIOLIS SENSOR	(21) EP19201859.6
27.12.2018	(73) Endress + Hauser Flowtec AG	(47) 25.01.2023
(22) 23.05.2018	(72) SCHWENTER, Benjamin	(22) 08.10.2019
(54) METHODS AND SYSTEMS TO IDENTIFY SMART SENSOR LOCATIONS BY APPLICATION OF PHYSICAL STIMULUS	WERNER, Marc	(54) HIGH RATE DISTRIBUTED ACOUSTIC SENSING USING HIGH POWER LIGHT PULSES
(73) General Electric Company	HOLLINGER, Claude	(73) AiQ Dienstleistungen UG (haftungsbeschränkt)
(72) BONNETT, Steven	GSCHWEND, Gebhard	(72) Cedilnik, Gregor
GILBERT, Tod Alexander	(31) 102019105736	(31) 201816836
NORTH, Timothy, Robert	(32) 07.03.2019	(32) 16.10.2018
(31) 201710099	(33) Germany	(33) United Kingdom
(32) 23.06.2017	(51) G01G 19/393	(51) G01L 1/18
(33) United Kingdom	G01G 13/24	(11) EP3413354
(51) G01F 1/10	(11) EP3617669	(21) EP16863200.8
A24F 40/50	(21) EP18791903.0	(47) 25.01.2023
A24F 40/51	(47) 25.01.2023	(87) CN2016085956
A61M 15/00	(87) JP2018017294	10.08.2017
A61M 15/06	01.11.2018	(22) 16.06.2016
A61M 16/00	(22) 27.04.2018	(54) THIN-FILM TRANSISTOR SENSOR AND METHOD FOR FABRICATION THEREOF
G01N 21/85	(54) WEIGHING APPARATUS	(73) BOE Technology Group Co., Ltd.
A24F 40/40	(73) Kawanishi, Shozo	(72) TIAN, Xueyan
A24F 40/60	(72) Kawanishi, Shozo	(31) 201610079996
G06Q 30/02	(31) 2017089866	(32) 04.02.2016
G01N 15/06	(32) 28.04.2017	(33) China
A24F 40/53	(33) Japan	(51) G01M 11/00
A61M 11/04	(51) G01H 13/00	(11) EP3637082
A24F 40/10	G01N 9/00	(21) EP19201294.6
(11) EP3503750	G01H 1/00	(47) 25.01.2023
(21) EP17844055.8	G01N 29/024	(22) 03.10.2019
(47) 25.01.2023	G01N 29/34	(54) OTDR METHOD TARGETING IDENTIFIED EVENT
(87) US2017019033	G01N 11/16	(73) EXFO Inc.
01.03.2018	(11) EP3234525	(72) PERRON, Stephane
(22) 30.03.2017	(21) EP15709603.3	(31) 201862744320 P
(54) INHALATION DEVICE WITH METERING	(47) 25.01.2023	(32) 11.10.2018
(73) Indose Inc	(87) US2015018472	(33) United States of America
(72) FREEMAN, Daniel	23.06.2016	(51) G01M 11/00
FREEMAN, Ari	(22) 03.03.2015	G01K 11/32
FREEMAN, Jacqueline	(54) DETERMINING A VIBRATION RESPONSE PARAMETER OF A VIBRATORY ELEMENT	G01H 9/00
(31) 201615244518	(73) Micro Motion, Inc.	(11) EP3237874
(32) 23.08.2016	(72) MCANALLY, Craig B.	(21) EP15828874.6
(33) United States of America	KRAVITZ, Andrew S.	(47) 25.01.2023
(51) G01F 1/688	(31) 201462094255 P	(87) IB2015059913
G01F 1/684	(32) 19.12.2014	30.06.2016
(11) EP3726187	(33) United States of America	(22) 23.12.2015
(21) EP20168100.4	(51) G01K 1/14	
(47) 25.01.2023	G01K 1/08	
	G01K 1/024	

(54) REFLECTOMETRIC VIBRATION
MEASUREMENT SYSTEM
AND RELATIVE METHOD FOR
MONITORING MULTIPHASE FLOWS

(73) ENI S.p.A.
(72) GALTAROSSA, Andrea
PALMIERI, Luca
ZAMPATO, Massimo

(31) MI20142244
(32) 23.12.2014
(33) Italy

(51) G01M 17/007
(11) EP3811049

(21) EP19744788.1
(47) 25.01.2023
(87) GB2019051753
26.12.2019

(22) 21.06.2019
(54) SOFT TARGET MOVEMENT
PLATFORM

(73) Anthony Best Dynamics Ltd
(72) SONES, James
(31) 201810313
201810311

(32) 22.06.2018
22.06.2018

(33) United Kingdom
United Kingdom

(51) G01N 1/30
B01L 3/00
G01N 1/31
G01N 35/10
G01N 35/00

(11) EP3298381
(21) EP16724342.7
(47) 25.01.2023
(87) EP2016060804
01.12.2016

(22) 13.05.2016
(54) METHOD AND APPARATUS FOR
THE REMOVAL OR REDUCTION OF

PRECIPITATES FORMED IN
HEMATOXYLIN SOLUTIONS

(73) Ventana Medical Systems, Inc.
(72) GROLL, Henning
KERNAG, Casey A.
WEIDNER, Charles H.
DURRANT, Edward E.
WEIR, Kenneth

(31) 201562165631 P
(32) 22.05.2015
(33) United States of America

(51) G01N 1/40
G01N 1/22
H01J 49/26
H01J 49/04
G01N 21/71
G01N 15/06
G01N 15/14
G01N 15/00

(11) EP2889602
(21) EP14199559.7
(47) 25.01.2023
(22) 22.12.2014

(54) Device for characterising particles in a
particle stream under vacuum

(73) COMMISSARIAT A L'ENERGIE
ATOMIQUE ET AUX ENERGIES
ALTERNATIVES
Synchrotron Soleil

(72) Sublemontier, Olivier
Barreda, Flory-Anne
Sirven, Jean-Baptiste
Lacour, Jean-Luc
Nicolas, Christophe
Robert, Emmanuel

(31) 1363437
(32) 23.12.2013
(33) France

(51) G01N 3/32
G01N 3/20
G01N 3/42

(11) EP3362776
(21) EP16782064.6
(47) 25.01.2023

(87) EP2016074864
20.04.2017
(22) 17.10.2016
(54) METHOD FOR TESTING OF
FLEXURAL FATIGUE RESISTANCE
AND ASSOCIATED SYSTEM THEREOF

(73) Global Life Sciences Solutions USA LLC
(72) BUCKLEY, Donald Joseph
BODEN, Eugene Pauling
MILLER, Scott Michael
BURNS, Andrew Arthur Paul
MISNER, Kathryn Amanda
SAUNDERS, Terry Lee

(31) 201615230488
201562242343 P
(32) 08.08.2016
16.10.2015
(33) United States of America
United States of America

(51) G01N 15/14
G01N 33/49
G01N 33/493
G01N 15/10

(11) EP3722784
(21) EP20168467.7
(47) 25.01.2023
(22) 07.04.2020
(54) LIQUID SAMPLE ANALYSIS METHOD
AND LIQUID SAMPLE ANALYSIS
DEVICE

(73) ARKRAY, Inc.
(72) OTA, Shinichi
NAKAJIMA, Shinya

(31) 2019073450
(32) 08.04.2019
(33) Japan

(51) G01N 21/01
A61B 5/023
G01N 21/17
G01N 21/359
H01L 31/12
H01S 5/02
A61B 5/00
A61B 5/026
G01N 21/47
G01N 21/49
G01N 33/02
A61B 5/024
(11) EP3726197

(21) EP18889890.2
(47) 25.01.2023
(87) JP2018041799
20.06.2019

(22) 12.11.2018
(54) OPTICAL SENSING DEVICE
(73) Panasonic Intellectual Property
Management Co., Ltd.

(72) SHIONO Teruhiro
ANDO, Takamasa
(31) 2017238286
(32) 13.12.2017
(33) Japan

(51) G01N 21/05
G01N 21/11
B01L 3/00
G01N 15/14
B01L 9/00
G01N 15/10

(11) EP3722000
(21) EP20168549.2
(47) 25.01.2023
(22) 07.04.2020

(54) FLUID DELIVERY METHOD AND
ANALYSIS DEVICE

(73) ARKRAY, Inc.
(72) OTA, Shinichi
MASUDA, Shigeki
NAKAJIMA, Shinya

(31) 2020051915
2019073451
(32) 23.03.2020
08.04.2019
(33) Japan
Japan

(51) G01N 21/17
G01N 21/03
G01N 29/24

(11) EP3798607
(21) EP19191110.6
(47) 25.01.2023
(22) 09.08.2019

(54) PHOTOACOUSTIC GAS SENSOR
DEVICES

(73) Sensirion AG
(72) BÜRGI, Lukas
HUNZIKER, Werner
UEHLINGER, Thomas

(51) G01N 21/31
G01J 3/02
G01J 3/28
G01J 3/32
G01J 3/36
G01J 3/12

(11) EP3830551
(21) EP19763077.5
(47) 25.01.2023
(87) GR2019000054
06.02.2020

(22) 31.07.2019
(54) A HYBRID SPECTRAL IMAGER
(73) Qcell P.C.
(72) BALAS, Konstantinos
(31) 201862713019 P
(32) 01.08.2018

(33) United States of America
(51) G01N 21/3504
G01J 3/02

G01N 21/27	(72) VIKLUND, Henrik	Fundació Privada Institució Catalana de
G01N 21/39	SANDSTEN, Jonas	Recerca i Estudis Avançats
G01J 3/10	(31) 201862613247 P	Medcom Tech, S.A.
G01J 3/28	(32) 03.01.2018	(72) PAZOS-PEREZ, Nicolas
G01J 3/42	(33) United States of America	PAZOS, Elena
G01J 3/433	(51) G01N 21/39	CATALA, Carme
H01S 5/06	G01J 3/433	MIR-SIMON, Bernat
H01S 5/062	G01J 3/10	GOMEZ-DE-PEDRO, Sara
H01S 5/068	(11) EP3336522	SAGALES, Juan
H01S 5/0683	(21) EP17204301.0	VILLANUEVA, Carlos
(11) EP3559634	(47) 25.01.2023	ALVAREZ-PUEBLA, Ramon A.
(21) EP17829657.0	(22) 29.11.2017	(51) G01N 21/84
(47) 25.01.2023	(54) ANALYSIS APPARATUS, NON-	G01N 21/27
(87) EP2017084448	TRANSITORY COMPUTER READABLE	G01J 3/28
28.06.2018	MEDIUM FOR ANALYSIS APPARATUS,	G01J 3/42
(22) 22.12.2017	AND ANALYSIS METHOD	(11) EP2950083
(54) METHOD FOR CORRECTING THE	(73) Horiba, Ltd.	(21) EP14743027.6
WAVELENGTH AND THE TUNING	(72) SHIBUYA, Kyoji	(47) 25.01.2023
RANGE OF A LASER SPECTROMETER	FUKUSHIRO, Kensuke	(87) JP2014050903
(73) Siemens Aktiengesellschaft	OHTA, Toshio	31.07.2014
(72) DEPENDHEUER, Daniel	NISHIMURA, Katsumi	(22) 20.01.2014
(31) 102016226215	(31) 2016243752	(54) CALIBRATION METHOD, DEVICE,
17150724	(32) 15.12.2016	AND PROGRAM, AND BODILY-FLUID
(32) 23.12.2016	(33) Japan	COMPONENT MEASUREMENT
09.01.2017	(51) G01N 21/64	DEVICE CALIBRATED USING SAID
(33) Germany	G02B 21/06	METHOD
European Patent Office (EPO)	G02B 21/18	(73) Terumo Kabushiki Kaisha
(51) G01N 21/3504	G02B 21/36	(72) AIKAWA, Ryokei
G01N 21/31	G02B 27/58	(31) 2013010615
G01N 21/39	(11) EP3628075	(32) 23.01.2013
G01J 1/42	(21) EP19741108.5	(33) Japan
G01N 33/00	(47) 25.01.2023	(51) G01N 23/207
H02H 9/00	(87) US2019013504	G01N 23/223
(11) EP3268723	25.07.2019	G21K 1/02
(21) EP16711091.5	(22) 14.01.2019	(11) EP3502677
(47) 25.01.2023	(54) PATTERN ANGLE SPATIAL SELECTION	(21) EP18213519.4
(87) US2016021615	STRUCTURED ILLUMINATION	(47) 25.01.2023
15.09.2016	IMAGING	(22) 18.12.2018
(22) 09.03.2016	(73) Illumina Inc.	(54) STRUCTURE AND METHOD
(54) INTRINSICALLY SAFE	(72) NEWMAN, Peter, Clarke	FOR SPATIALLY RESOLVED
SPECTROSCOPIC ANALYZER	CONDELLO, Danilo	MEASUREMENT WITH A
(73) Endress+Hauser Optical Analysis, Inc.	LU, Shaoping	WAVELENGTH-DISPERSIVE X-RAY
(72) HELBLEY, Keith, Benjamin	PRINCE, Simon	SPECTROMETER
DESSECKER, Juergen	SIU, Merek, C.	(73) Bruker AXS GmbH
MUELLER, Harald	HONG, Stanley, S.	(72) Filsinger, Frank
FINK, Nikolai	LIU, Aaron	Metka, Uwe
BOYLE, William	(31) 2020620	(31) 102017223228
DORN, Peter	201862618059 P	(32) 19.12.2017
SILVA, Paulo	(32) 20.03.2018	(33) Germany
(31) 201562130463 P	16.01.2018	(51) G01N 27/12
(32) 09.03.2015	(33) Netherlands	H01L 23/00
(33) United States of America	United States of America	(11) EP3449246
(51) G01N 21/3504	(51) G01N 21/65	(21) EP17789884.8
H04N 5/232	B82Y 15/00	(47) 25.01.2023
H04N 5/33	C12Q 1/04	(87) KR2017004374
G06T 7/254	(11) EP3329258	02.11.2017
(11) EP3735577	(21) EP15756116.8	(22) 25.04.2017
(21) EP18889948.8	(47) 25.01.2023	(54) SENSOR
(47) 25.01.2023	(87) EP2015067717	(73) LG Electronics Inc.
(87) US2018067334	09.02.2017	(72) HWANG, Insung
29.08.2019	(22) 31.07.2015	KIM, Moosub
(22) 21.12.2018	(54) A METHOD FOR DETECTION OF	JANG, Yunguk
(54) DYNAMIC DETERMINATION OF	PRESENCE OR ABSENCE OF	JIN, Wonhyeog
RADIOMETRIC VALUES USING	ANALYTES IN FLUIDS	(31) 20160051534
MULTIPLE BAND SENSOR ARRAY	(73) MEDCOM ADVANCE, S.A.	(32) 27.04.2016
SYSTEMS AND METHODS	Universitat Rovira I Virgili	(33) Korea (Republic)
(73) Flir Systems AB	Fundacio Privada Centre Tecnologic de	(51) G01N 27/22
Teledyne Flir, LLC	la Quimica de Catalunya	G01N 27/414

H01L 27/08	WANG, Tanyu	(47) 25.01.2023
G01N 33/497	MERLIN, Didier	(87) DE2018100241
(11) EP3899515	(31) 201562194125 P	27.09.2018
(21) EP19836341.8	201562189144 P	(22) 20.03.2018
(47) 25.01.2023	(32) 17.07.2015	(54) METHOD FOR DETERMINING THE
(87) US2019065981	06.07.2015	NITROGEN CONTENT IN SOLID OR
25.06.2020	(33) United States of America	LIQUID SAMPLES
(22) 12.12.2019	United States of America	(73) Taunus Instruments GmbH
(54) SYSTEMS AND METHODS FOR	(51) G01N 29/00	(72) DUNSBAUGH, Ralf
MEASURING KINETIC RESPONSE	G01N 29/12	(31) 102017002627
OF CHEMICAL SENSOR ELEMENTS	G01N 29/34	(32) 20.03.2017
COMPRISING GRAPHENE	G01N 29/36	(33) Germany
VARACTORS	G01N 29/42	(51) G01N 31/22
(73) Boston Scientific Scimed Inc.	G01N 29/44	G01N 21/78
Regents of the University of Minnesota	G01N 33/38	(11) EP3428638
(72) SHERWOOD, Gregory J.	(11) EP3589942	(21) EP16890559.4
NELSON, Justin Theodore	(21) EP18761942.4	(47) 25.01.2023
KOESTER, Steven J.	(47) 25.01.2023	(87) JP2016054815
(31) 201862781254 P	(87) US2018019956	24.08.2017
(32) 18.12.2018	07.09.2018	(22) 19.02.2016
(33) United States of America	(22) 27.02.2018	(54) COMPOSITION FOR OXYGEN
(51) G01N 27/406	(54) FINGERPRINTING AND ANALYZING	DETECTION AND OXYGEN
(11) EP3761019	GEMSTONES	DETECTOR
(21) EP20183600.4	(73) Gemological Institute of America, Inc.	(73) Tokiwa Sangyo Co., Ltd.
(47) 25.01.2023	(GIA)	(72) YAMAZAKI, Tatsuo
(22) 02.07.2020	(72) RHODES, George Wyatt	KASE, Hiroshi
(54) COMPENSATOR CIRCUITRY AND	MAGANA, Sally Catherine	ABE, Naoto
METHOD FOR AN OXYGEN SENSOR	(31) 201715444736	(51) G01N 33/18
(73) Delphi Technologies IP Limited	(32) 28.02.2017	(11) EP3688458
(72) GOSE, Mark	(33) United States of America	(21) EP18772840.7
CAMPBELL, Jerry W.	(51) G01N 29/024	(47) 25.01.2023
RIPLEY, Eugene V.	G01N 29/22	(87) EP2018076187
ENGELHARDT, Marc R.	G01N 29/24	04.04.2019
HOU, Jingyi	G01N 29/30	(22) 26.09.2018
(31) 201916460611	G01N 29/32	(54) IMPROVED DETECTION AND
(32) 02.07.2019	G01N 29/44	CHARACTERIZATION OF ANOMALIES
(33) United States of America	(11) EP3559651	IN A CONTINUUM OF WATER
(51) G01N 27/414	(21) EP17816885.2	(73) Suez International
(11) EP3234575	(47) 25.01.2023	(72) DO QUANG, Zdravka
(21) EP15823567.1	(87) EP2017083734	CUSSONNEAU, Guillaume
(47) 25.01.2023	28.06.2018	FAY, Gilles
(87) US2015066110	(22) 20.12.2017	(31) 1763286
23.06.2016	(54) ULTRASONIC GAS SENSOR	201762565722 P
(22) 16.12.2015	(73) Eaton Intelligent Power Limited	(32) 27.12.2017
(54) APPARATUS FOR MEASURING	(72) MASSEY, Alan	29.09.2017
ANALYTES USING LARGE SCALE FET	SHINDE, Yogesh	(33) France
ARRAYS	(31) 201611044110	United States of America
(73) Life Technologies Corporation	(32) 23.12.2016	(51) G01N 33/53
(72) FIFE, Keith G.	(33) India	C07K 16/00
(31) 201462093851 P	(51) G01N 30/46	C12Q 1/68
(32) 18.12.2014	G01N 30/96	(11) EP3696277
(33) United States of America	B01D 15/36	(21) EP20164170.1
(51) G01N 27/48	(11) EP3486647	(47) 25.01.2023
C12Q 1/6886	(21) EP18199722.2	(22) 30.07.2014
(11) EP3320117	(47) 25.01.2023	(54) QUANTITATIVE DNA-BASED IMAGING
(21) EP16821916.0	(22) 12.09.2006	AND SUPER-RESOLUTION IMAGING
(47) 25.01.2023	(54) MULTIDIMENSIONAL	(73) President and Fellows of Harvard
(87) US2016041150	CHROMATOGRAPHY APPARATUS	College
12.01.2017	AND METHOD	(72) Jungmann, Ralf
(22) 06.07.2016	(73) DIONEX CORPORATION	Yin, Peng
(54) SYSTEMS FOR DETECTING AND	(72) SRINIVASAN, Kannan	Dai, Mingjie
QUANTIFYING NUCLEIC ACIDS	LIN, Rong	Avendano, Maier
(73) Georgia State University Research	(31) 229002	Woehrstein, Johannes B.
Foundation, Inc.	(32) 16.09.2005	(31) 201461934759 P
The United States Government as	(33) United States of America	201361884126 P
Represented by The Department of	(51) G01N 31/12	201361859891 P
Veterans Affairs	(11) EP3615929	(32) 01.02.2014
(72) WANG, Gangli	(21) EP18726906.3	29.09.2013

30.07.2013	(54) MEASURING APPARATUS FOR	(47) 25.01.2023
(33) United States of America	MEASURING A DC COMPONENT	(22) 17.03.2021
United States of America	OF AN ELECTRIC CURRENT AND	(54) MULTI-PHASE VFD SYSTEM WITH
United States of America	ASSOCIATED MEASURING METHOD	FREQUENCY COMPENSATED
(51) G01N 33/574	(73) General Electric Technology GmbH	GROUND FAULT PROTECTION
(11) EP3867647	(72) STURGESS, Jonathan Peter	(73) Neilsen-Kuljian Inc.
(21) EP19831825.5	(51) G01R 15/18	(72) Lik-Chung Lee, Tom
(47) 25.01.2023	G01R 19/25	(31) 202016913781
(87) GB2019053626	H03H 17/04	(32) 26.06.2020
25.06.2020	(11) EP3559683	(33) United States of America
(22) 19.12.2019	(21) EP17829088.8	(51) G01R 29/10
(54) USE OF MCM5 AS A MARKER FOR	(47) 25.01.2023	H01Q 3/34
GYNAECOLOGICAL CANCERS	(87) US2017066922	G01R 29/08
(73) Arquer Diagnostics Limited	28.06.2018	(11) EP3792641
(72) STOCKLEY, Jacqueline	(22) 18.12.2017	(21) EP18917969.0
NYBERG, Cheryl	(54) CURRENT SENSING CIRCUITS AND	(47) 25.01.2023
(31) 201820867	METHODS OF IMPLEMENTING A	(87) CN2018124558
(32) 20.12.2018	DIGITAL INTEGRATOR	14.11.2019
(33) United Kingdom	(73) Eaton Intelligent Power Limited	(22) 28.12.2018
(51) G01N 33/58	(72) GAO, Zhi	(54) PHASE COMPENSATION METHOD
(11) EP3916393	HOSKO, Daniel A.	AND DEVICE FOR MEASURING
(21) EP20176696.1	MILLER, Theodore J.	ARRAY ANTENNA
(47) 25.01.2023	(31) 201615386063	(73) Kuang-Chi Institute of Advanced
(22) 27.05.2020	(32) 21.12.2016	Technology
(54) METHOD FOR DETECTION OF CELLS	(33) United States of America	(72) LIU, RuoPeng
BY REPETITIVE STAINING AND	(51) G01R 15/20	ZHAO, Zhi Ya
DESTAINING	G01R 15/18	TIAN, Hua
(73) Miltenyi Biotec B.V. & Co. KG	(11) EP3543715	YAO, Jie
(72) FAUERBACH, Jonathan	(21) EP18179296.1	(31) 201810432530
BERNDT, Daniel	(47) 25.01.2023	(32) 08.05.2018
DOSE, Christian	(22) 22.06.2018	(33) China
MEINEKE, Dirk	(54) A DEVICE FOR MEASURING	(51) G01R 31/08
(51) G01N 33/86	ELECTRIC CURRENT	H02H 3/04
B01L 3/00	(73) ABB Schweiz AG	H02H 1/00
(11) EP3198281	(72) Disselnkötter, Rolf	G06N 3/04
(21) EP15782124.0	Ottoboni, Roberto	G06N 3/08
(47) 25.01.2023	Toscani, Sergio	G01R 31/52
(87) US2015052408	(31) 18176757	(11) EP3460494
31.03.2016	18163223	(21) EP17193123.1
(22) 25.09.2015	(32) 08.06.2018	(47) 25.01.2023
(54) ELLAGIC ACID FORMULATIONS FOR	22.03.2018	(22) 26.09.2017
USE IN COAGULATION ASSAYS	(33) European Patent Office (EPO)	(54) A METHOD AND APPARATUS FOR
(73) Abbott Point Of Care, Inc.	European Patent Office (EPO)	AUTOMATIC DETECTION OF A FAULT
(72) COLLIER, G. Bruce	(51) G01R 19/04	TYPE
JOHNS, Paul Willis, Jr.	G01R 21/10	(73) Siemens Aktiengesellschaft
SUTRALA, Smitha RK	G01R 21/14	(72) Büttner, Florian
WANG, Dan	G01R 23/00	Buggenthin, Felix
DI TULLIO, Katrina Petronilla	G01R 29/08	Spieckermann, Sigurd
(31) 201462055768 P	(11) EP3208620	Becher, Silvio
(32) 26.09.2014	(21) EP16156454.7	Böhme, Klaus
(33) United States of America	(47) 25.01.2023	Kereit, Matthias
(51) G01R 1/20	(22) 19.02.2016	Kogan, Igor
G01R 19/00	(54) MEASURING SYSTEM FOR OVER-	(51) G01R 31/12
G01R 19/32	THE-AIR POWER MEASUREMENTS	G01R 27/26
(11) EP3527995	(73) Rohde & Schwarz GmbH & Co. KG	G01R 31/64
(21) EP18382100.8	(72) Perndl, Werner	G01R 31/62
(47) 25.01.2023	Gallhauser, Markus	G01R 15/06
(22) 20.02.2018	Hechtischer, Gerd	(11) EP3589964
(54) SHUNT RESISTOR AND	Voss, Nino	(21) EP18708621.0
MEASUREMENT SYSTEM	Tankielun, Adam	(47) 25.01.2023
(73) Fico Triad, S.A.	(51) G01R 27/18	(87) EP2018054398
(72) SALA MASIP, Enric	G01R 31/52	07.09.2018
(51) G01R 15/18	H02H 1/00	(22) 22.02.2018
(11) EP3842812	H02H 3/16	(54) METHOD AND APPARATUS FOR
(21) EP19219721.8	H02H 3/33	MONITORING THE LOSS FACTOR OF
(47) 25.01.2023	G01R 23/165	CAPACITOR BUSHINGS
(22) 26.12.2019	(11) EP3929599	(73) Maschinenfabrik Reinhausen GmbH
	(21) EP21163058.7	(72) VIERECK, Karsten

WU, Junliang SUNDERMANN, Ulrich (31) 102017104110 (32) 28.02.2017 (33) Germany	(54) OPTICAL SCANNER, OBJECT DETECTOR, AND SENSING APPARATUS (73) Ricoh Company, Ltd. (72) NAKAMURA, Tadashi NAKAMURA, Kento (31) 2019125651 (32) 05.07.2019 (33) Japan	(73) QUALCOMM INCORPORATED (72) GULATI, Kapil LI, Junyi SUBRAMANIAN, Sundar HAMILTON, Michael John (31) 201916437092 201862700529 P (32) 11.06.2019 19.07.2018
(51) G01R 31/36 (11) EP3610277 (21) EP18709549.2 (47) 25.01.2023 (87) EP2018055477 18.10.2018 (22) 06.03.2018 (54) SYSTEM AND METHOD FOR DETERMINING A STATUS OF A VEHICLE BATTERY (73) Robert Bosch GmbH (72) GUPTA, Sanghmitra (31) 102017206071 (32) 10.04.2017 (33) Germany	(51) G01S 7/484 G01S 17/89 G01S 17/933 G01S 7/481 B64F 1/00 (11) EP3726245 (21) EP19216017.4 (47) 25.01.2023 (22) 13.12.2019 (54) ARRAY OF INDEPENDENTLY- CONTROLLABLE LASER DIODE BARS FOR SCANNING A LINEAR ILLUMINATION PATTERN (73) ROSEMOUNT AEROSPACE INC. (72) Ramthun, Kent Allan Zhang, Weibin (31) 201916389391 (32) 19.04.2019 (33) United States of America	(33) United States of America United States of America (51) G01S 17/89 G01S 7/497 (11) EP3236286 (21) EP17166451.9 (47) 25.01.2023 (22) 13.04.2017 (54) AUTO COMMISSIONING SYSTEM AND METHOD (73) Otis Elevator Company (72) FINN, Alan Matthew FANG, Hui HSU, Arthur (31) 201662323864 P (32) 18.04.2016 (33) United States of America
(51) G01R 31/40 G01R 35/00 G01R 31/367 G01R 31/396 G05B 13/04 G01R 31/382 G01R 31/00 G01R 31/28 (11) EP3669199 (21) EP18800834.6 (47) 25.01.2023 (87) AT2018060256 02.05.2019 (22) 24.10.2018 (54) APPARATUS AND METHOD OF CALIBRATING A BATTERY SIMULATOR (73) Kristl, Seibt & Co. Gesellschaft m.b.H. (72) GÖLDNER, Arthur AUER, Christian HAIDINGER, Thomas PIRCHER, Stefan (31) 508952017 (32) 25.10.2017 (33) Austria	(51) G01S 7/52 G01S 15/89 A61B 8/08 (11) EP3213108 (21) EP14830543.6 (47) 25.01.2023 (87) IB2014002600 06.05.2016 (22) 28.10.2014 (54) IMAGING METHODS AND APPARATUS FOR PERFORMING SHEAR WAVE ELASTOGRAPHY IMAGING (73) SUPERSONIC IMAGINE (72) LOUPAS, Thanasis BRUCE, Matthew, Frederick CRITON, Aline, Laure	(51) G01V 1/16 G01V 13/00 G01V 1/38 G01V 1/18 (11) EP2888607 (21) EP13879433.4 (47) 25.01.2023 (87) NO2013000041 20.02.2014 (22) 30.07.2013 (54) OCEAN BOTTOM SEISMIC NODE SYSTEM (73) Magseis Fairfield ASA (72) GATEMAN, Jan, B. GATEMAN, Nils, P. (31) 20120915 201261683721 P (32) 16.08.2012 16.08.2012
(51) G01R 35/00 G01R 31/28 (11) EP3532857 (21) EP17778283.6 (47) 25.01.2023 (87) EP2017075140 03.05.2018 (22) 04.10.2017 (54) DEVICE AND METHOD FOR DIAGNOSING THE DETECTION OF A MULTI-PHASE ELECTRIC CURRENT (73) Robert Bosch GmbH (72) SCHLESER, Roland HANEL, Stephan (31) 102016220948 (32) 25.10.2016 (33) Germany	(51) G01S 11/02 G01S 11/06 G01S 11/08 (11) EP3502736 (21) EP17209014.4 (47) 25.01.2023 (22) 20.12.2017 (54) METHOD FOR DISTANCE DETERMINATION (73) Stichting IMEC Nederland (72) Romme, Jacobus Petrus Adrianus	(33) Norway United States of America (51) G01V 1/38 (11) EP2778721 (21) EP14158744.4 (47) 25.01.2023 (22) 11.03.2014 (54) Systems and methods for randomizing firing times of simultaneous sources in marine surveys (73) PGS Geophysical AS (72) van Borselen, Roald Gunnar Baardman, Rolf Huibert (31) 201313835711 (32) 15.03.2013 (33) United States of America
(51) G01S 7/481 (11) EP3761056 (21) EP20183091.6 (47) 25.01.2023 (22) 30.06.2020	(51) G01S 13/931 G01S 7/02 G01S 13/34 (11) EP3824311 (21) EP19739751.6 (47) 25.01.2023 (87) US2019036673 23.01.2020 (22) 12.06.2019 (54) MULTI-RADAR COEXISTENCE USING SLOW RATE INTERFERENCE IDENTIFICATION AND SUPPRESSION	(51) G01V 8/00 (11) EP3287816 (21) EP17160046.3 (47) 25.01.2023 (22) 09.03.2017 (54) MILLIMETER-WAVE IMAGING SYSTEM (73) Nuctech Company Limited

(72) ZHAO, Ziran CHEN, Zhiqiang LI, Yuanjing WU, Wanlong SHEN, Zongjun JIN, Yingkang QIAO, Lingbo ZHENG, Lei (31) 201610727538 (32) 25.08.2016 (33) China	(47) 25.01.2023 (87) CN2018078290 10.01.2019 (22) 07.03.2018 (54) TRANSPARENT DISPLAY APPARATUS AND PREPARATION METHOD THEREFOR (73) BOE TECHNOLOGY GROUP CO., LTD. FUZHOU BOE OPTOELECTRONICS TECHNOLOGY CO., LTD. (72) WANG, Qiaoni CHEN, Hui LUO, Shijian ZHANG, Xinyu LIN, Yabin (31) 201710552654 (32) 07.07.2017 (33) China	(47) 25.01.2023 (87) IB2019057149 05.03.2020 (22) 26.08.2019 (54) REFLECTION SUPPRESSION IN NEAR EYE DISPLAYS (73) Lumus Ltd. (72) DANZIGER, Yochay RONEN, Eitan GELBERG, Jonathan EISENFELD, Tsion SHAPIRA, Amir (31) 201962843610 P 201862722903 P (32) 06.05.2019 26.08.2018 (33) United States of America United States of America
(51) G01V 99/00 (11) EP3938815 (21) EP20717388.1 (47) 25.01.2023 (87) US2020021671 17.09.2020 (22) 09.03.2020 (54) METHOD FOR DYNAMIC CALIBRATION AND SIMULTANEOUS CLOSED-LOOP INVERSION OF SIMULATION MODELS OF FRACTURED RESERVOIRS (73) Saudi Arabian Oil Company (72) MAUCEC, Marko MEZA CAMARGO, Otto E. MORIWAON, Babatunde TAIBAN, Ali A. (31) 201916351233 (32) 12.03.2019 (33) United States of America	(51) G02B 6/126 G02B 6/14 G02B 6/27 (11) EP3417323 (21) EP17709918.1 (47) 25.01.2023 (87) EP2017053660 24.08.2017 (22) 17.02.2017 (54) METHOD FOR PRODUCING A POLARIZATION CONVERTER, POLARIZATION CONVERTER AND POLARIZATION CONVERTER ELEMENT (73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (72) BAIER, Moritz SOARES, Francisco (31) 102016202634 (32) 19.02.2016 (33) Germany	(51) G02B 6/38 (11) EP3699656 (21) EP20161062.3 (47) 25.01.2023 (22) 13.02.2020 (54) CONNECTOR SYSTEM AND DUST PROTECTOR THEREOF (73) Reichle & De-Massari AG (72) MUH-CHEN, Yang (31) 201910567488 201962807859 P (32) 27.06.2019 20.02.2019 (33) China United States of America
(51) G02B 6/00 B60Q 3/64 B60Q 3/14 G09F 13/06 G09F 13/10 G09F 13/14 G09F 23/00 F21V 8/00 (11) EP3610308 (21) EP18826548.2 (47) 25.01.2023 (87) EP2018084808 18.07.2019 (22) 13.12.2018 (54) LIGHTING DEVICE AND METHOD FOR PRODUCING SAME (73) Dr. Schneider Kunststoffwerke GmbH (72) SCHINZLER, Claus SCHMIDT, Klaus (31) 102018100547 (32) 11.01.2018 (33) Germany	(51) G02B 6/255 G02B 6/02 G02B 6/036 (11) EP3546995 (21) EP17874563.4 (47) 25.01.2023 (87) JP2017042249 31.05.2018 (22) 24.11.2017 (54) OPTICAL FIBER LINE AND OPTICAL FIBER LINE MANUFACTURING METHOD (73) Sumitomo Electric Industries, Ltd. (72) SUZUKI, Masato TAMURA, Yoshiaki YAMAMOTO, Yoshinori HASEGAWA, Takemi TAKASAKI, Suguru KUBARA, Saori (31) 2016229085 (32) 25.11.2016 (33) Japan	(51) G02B 6/38 G01M 11/00 G01N 21/88 G06K 9/00 G06V 20/80 (11) EP3786677 (21) EP20192942.9 (47) 25.01.2023 (22) 26.08.2020 (54) SIGNATURE RECOGNITION ON OPTICAL-FIBER CONNECTOR ENDFACES (73) EXFO Inc. (72) COTE, Olivier CARON, Nicolas L'HEUREUX, Mario BARIBAUT, Robert (31) 201962894080 P (32) 30.08.2019 (33) United States of America
(51) G02B 6/036 (11) EP2749917 (21) EP13199669.6 (47) 25.01.2023 (22) 27.12.2013 (54) Optical fiber silica glass base material (73) Shin-Etsu Chemical Co., Ltd. (72) Oyamada, Hiroshi (31) 2012287315 (32) 28.12.2012 (33) Japan	(51) G02B 6/27 G02B 27/01 F21V 8/00 G02B 1/14 H04J 14/06 (11) EP3841414 (21) EP19855738.1	(51) G02B 6/44 (11) EP3916451 (21) EP20177466.8 (47) 25.01.2023 (22) 29.05.2020 (54) PIVOTING MODULE DEVICE FOR OPTICAL FIBRE CABLE WITH A COVER PLATE (73) Hauff-Technik GRIDCOM GmbH (72) Hammer, Ralf Gschwinder, Roland
(51) G02B 6/122 G02B 1/00 (11) EP3650896 (21) EP18789312.8		

(22) 13.05.2021	(33) France	G02B 27/28
(54) GH SPLITTER	(51) G02B 21/02	G02F 1/1335
(73) Huizhou Fibercan Industrial Co., LTD	G02B 21/32	(11) EP3899643
(72) Li, Yaole	G02B 21/00	(21) EP19835776.6
(31) 202023305615 U	G02B 21/24	(47) 25.01.2023
(32) 31.12.2020	G02B 21/36	(87) IB2019060933
(33) China	G02B 27/00	25.06.2020
(51) G02B 6/44	(11) EP3816611	(22) 17.12.2019
(11) EP3660564	(21) EP19205882.4	(54) COMPACT HEADS-UP DISPLAY
(21) EP18208885.6	(47) 25.01.2023	(73) 3M Innovative Properties Company
(47) 25.01.2023	(22) 29.10.2019	(72) YUN, Zhisheng
(22) 28.11.2018	(54) MICROSCOPE AND METHOD FOR	WU, Hao
(54) CABLE MANAGEMENT SYSTEM	DETERMINING AN ABERRATION IN A	WILLETT, Stephen J.
(73) Reichle & De-Massari AG	MICROSCOPE	SCHARDT, Craig R.
(72) Zhelyazkov, Evgeni	(73) Leica Microsystems CMS GmbH	PANKRATZ, Stephan J.
Zidarova, Nadejda	(72) Schumann, Christian	BENOIT, Gilles J.
Franzke, Jörg	Weiß, Alexander	(31) 201862783648 P
Lendi, Christian	Lotter, Andreas	(32) 21.12.2018
(51) G02B 7/182	(51) G02B 26/10	(33) United States of America
G02B 23/16	G01D 5/34	(51) G02B 27/10
(11) EP3673312	(11) EP3739373	G02B 27/09
(21) EP18758611.0	(21) EP20166645.0	(11) EP3921695
(47) 25.01.2023	(47) 25.01.2023	(21) EP20703230.1
(87) EP2018072586	(22) 30.03.2020	(47) 25.01.2023
28.02.2019	(54) OPTICAL SCANNER UNIT AND	(87) EP2020052738
(22) 21.08.2018	OPTICAL DEVICE	13.08.2020
(54) TELESCOPE THAT IS EASIER	(73) Funai Electric Co., Ltd.	(22) 04.02.2020
TO MOUNT AND METHOD FOR	(72) TANAKA, Fuminori	(54) OPTICAL DEVICE COMBINING A
ADJUSTING SUCH A TELESCOPE	TAKEDA, Futoshi	PLURALITY OF BEAMS AND SYSTEM
(73) Safran Electronics & Defense	TANEHASHI, Kenji	USING SAME
(72) HOELTZEL, Charlotte	FUJITA, Kenichi	(73) Cailabs
TACCONI, Cédric	(31) 2019092866	(72) PINEL, Olivier
FURUI, Christophe	(32) 16.05.2019	LABROILLE, Guillaume
SEILLIER, Franck	(33) Japan	(31) 1901034
ANNA, Guillaume	(51) G02B 27/00	(32) 04.02.2019
(31) 1700866	G02B 27/01	(33) France
(32) 22.08.2017	(11) EP3916464	(51) G02B 27/64
(33) France	(21) EP21173410.8	G03B 5/02
(51) G02B 9/34	(47) 25.01.2023	G03B 3/10
G02B 13/00	(22) 11.05.2021	G02B 7/09
(11) EP3598191	(54) GAZE TRACKING APPARATUS AND	(11) EP3701329
(21) EP19196660.5	SYSTEMS	(21) EP17935553.2
(47) 25.01.2023	(73) Sony Interactive Entertainment Inc.	(47) 25.01.2023
(22) 08.06.2012	(72) CONNOR, Patrick John	(87) CN2017118126
(54) IMAGING LENS	SANDERS, Matthew William	27.06.2019
(73) LG Innotek Co., Ltd.	BREUGELMANS, Mark Jacobus	(22) 23.12.2017
(72) KWON, Dukkeun	MONTI, Maria Chiara	(54) LENS POSITION ADJUSTMENT
(31) 20110056437	(31) 202007791	DEVICE, CAMERA MODULE,
(32) 10.06.2011	(32) 26.05.2020	INFORMATION DEVICE, AND CAMERA
(33) Korea (Republic)	(33) United Kingdom	DRIVING METHOD
(51) G02B 19/00	(51) G02B 27/01	(73) HUAWEI TECHNOLOGIES CO., LTD.
G02B 27/10	G02B 27/00	(72) UNO, Masaru
G02B 27/14	(11) EP3887888	YONEYAMA, Atsushi
G02B 27/62	(21) EP19820946.2	(51) G02B 30/56
(11) EP3894926	(47) 25.01.2023	(11) EP3241046
(21) EP19813354.8	(87) US2019062086	(21) EP15817405.2
(47) 25.01.2023	04.06.2020	(47) 25.01.2023
(87) EP2019084145	(22) 19.11.2019	(87) EP2015081304
18.06.2020	(54) EXIT PUPIL EXPANSION VIA CURVED	07.07.2016
(22) 09.12.2019	WAVEGUIDE	(22) 28.12.2015
(54) MULTISPECTRAL HARMONIZATION	(73) Microsoft Technology Licensing, LLC	(54) LIGHT COUPLER
DEVICE DESIGNED TO ALIGN THE	(72) VALLIUS, Tuomas Heikki Sakari	(73) IMEC vzw
OPTICAL PATHS OF AN OPTRONIC	WALL, Richard Andrew	(72) ROTTENBERG, Xavier
SYSTEM	(31) 201816201888	CLAES, Tom
(73) SAFRAN ELECTRONICS & DEFENSE	(32) 27.11.2018	VERCRUYSSSE, Dries
(72) DAVENEL, Arnaud	(33) United States of America	(31) 14200427
(31) 1872709	(51) G02B 27/01	(32) 29.12.2014
(32) 11.12.2018		(33) European Patent Office (EPO)

(51) G02C 7/02	(33) Korea (Republic)	(22) 30.04.2018
G02C 7/06	(51) G02F 1/13363	(54) OPTICAL MODULATION DEVICE
(11) EP3669230	G02F 1/1333	(73) LG Chem, Ltd.
(21) EP18758555.9	G02F 1/137	(72) GIM, Min Jun
(47) 25.01.2023	G02F 1/13	OH, Dong Hyun
(87) EP2018071628	G02B 27/01	YOU, Jung Sun
21.02.2019	G02F 1/01	LIM, Eun Jung
(22) 09.08.2018	G02F 1/1337	KIM, Jin Hong
(54) OPTIMIZING A SPECTACLE LENS	B32B 27/06	LEE, Hyun Jun
TAKING ACCOUNT OF A VISION	B32B 7/00	KIM, Nam Hun
MODEL	G02C 7/10	(31) 20170054964
(73) Rodenstock GmbH	(11) EP3617784	20180004305
(72) BECKEN, Wolfgang	(21) EP18791730.7	20180003789
ALTHEIMER, Helmut	(47) 25.01.2023	20180003788
MUSCHIELOK, Adam	(87) KR2018005017	20180003787
BÉNARD, Yohann	01.11.2018	20180003786
SEIDEMANN, Anne	(22) 30.04.2018	20180003783
WELK, Andrea	(54) LIGHT MODULATION DEVICE	20180003784
ESSER, Gregor	(73) LG Chem, Ltd.	20180003785
(31) 102017007663	(72) GIM, Min Jun	(32) 28.04.2017
(32) 14.08.2017	LIM, Eun Jung	12.01.2018
(33) Germany	YOU, Jung Sun	11.01.2018
(51) G02F 1/1333	OH, Dong Hyun	11.01.2018
H04N 5/64	LEE, Hyun Jun	11.01.2018
(11) EP3731216	KIM, Nam Hun	11.01.2018
(21) EP18892485.6	(31) 20180004305	11.01.2018
(47) 25.01.2023	20180003789	11.01.2018
(87) JP2018041346	20180003788	11.01.2018
27.06.2019	20180003787	(33) Korea (Republic)
(22) 07.11.2018	20180003786	Korea (Republic)
(54) IMAGE DISPLAY DEVICE	20180003785	Korea (Republic)
(73) Panasonic Intellectual Property	20180003784	Korea (Republic)
Management Co., Ltd.	20180003783	Korea (Republic)
(72) ISHIDA, Shinya	20170054964	Korea (Republic)
FUJIKAWA, Akihiro	(32) 12.01.2018	Korea (Republic)
ENOKI, Toshiyuki	11.01.2018	Korea (Republic)
(31) 2017242480	11.01.2018	Korea (Republic)
(32) 19.12.2017	11.01.2018	(51) G02F 1/13363
(33) Japan	11.01.2018	G02F 1/1333
(51) G02F 1/1334	11.01.2018	G02F 1/137
E06B 9/24	11.01.2018	G02F 1/139
G02F 1/133	11.01.2018	G02F 1/13
(11) EP3507648	28.04.2017	G02B 27/01
(21) EP17748619.8	(33) Korea (Republic)	G02F 1/01
(47) 25.01.2023	Korea (Republic)	G02F 1/1337
(87) CN2017076247	Korea (Republic)	B32B 27/06
08.03.2018	Korea (Republic)	B32B 7/00
(22) 10.03.2017	Korea (Republic)	G02C 7/10
(54) OPTICAL ASSEMBLY, OPTICAL	Korea (Republic)	G02F 1/1335
DEVICE, AND MANUFACTURING	Korea (Republic)	(11) EP3617783
METHOD THEREOF	Korea (Republic)	(21) EP18791578.0
(73) BOE Technology Group Co., Ltd.	Korea (Republic)	(47) 25.01.2023
(72) LIANG, Pengxia	(51) G02F 1/13363	(87) KR2018005016
(31) 201610788737	G02F 1/1333	01.11.2018
(32) 31.08.2016	G02F 1/137	(22) 30.04.2018
(33) China	G02F 1/139	(54) OPTICAL MODULATION DEVICE
(51) G02F 1/1335	G02F 1/13	(73) LG Chem, Ltd.
(11) EP3282310	G02B 27/01	(72) GIM, Min Jun
(21) EP17185622.2	G02F 1/01	LIM, Eun Jung
(47) 25.01.2023	G02F 1/1337	YOU, Jung Sun
(22) 09.08.2017	B32B 27/06	KIM, Jin Hong
(54) METHOD OF MANUFACTURING A	B32B 7/00	OH, Dong Hyun
COLOR FILTER	G02C 7/10	LEE, Hyun Jun
(73) Samsung Display Co., Ltd	(11) EP3617782	(31) 20180004305
(72) CHAE, Kyungtae	(21) EP18791018.7	20180003789
CHAE, Seungyeon	(47) 25.01.2023	20180003788
(31) 20160102443	(87) KR2018005023	20180003787
(32) 11.08.2016	01.11.2018	20180003786

20180003785	11.04.2021	(54) WATERTIGHT WATCH CASE
20180003784	22.03.2021	(73) Omega SA
20180003783	01.12.2020	(72) KALTENRIEDER, Cédric
20170054964	05.11.2020	KISSLING, Gregory
(32) 12.01.2018	26.08.2020	WINKLER, Yves
11.01.2018	30.05.2020	RAMSAY, John
11.01.2018	(33) United States of America	(51) G04F 10/00
11.01.2018	United States of America	H03K 3/03
11.01.2018	United States of America	H03M 1/50
11.01.2018	United States of America	(11) EP3828647
11.01.2018	United States of America	(21) EP19920363.9
11.01.2018	United States of America	(47) 25.01.2023
28.04.2017	United States of America	(87) CN2019078448
(33) Korea (Republic)	(51) G03F 7/20	24.09.2020
Korea (Republic)	G03F 1/70	(22) 18.03.2019
Korea (Republic)	(11) EP3963404	(54) TIME-TO-DIGITAL CONVERSION
Korea (Republic)	(21) EP20719958.9	CIRCUIT AND RELATED METHOD
Korea (Republic)	(47) 25.01.2023	(73) SHENZHEN GOODIX TECHNOLOGY
Korea (Republic)	(87) EP2020059826	CO., LTD.
Korea (Republic)	05.11.2020	(72) HUANG, Yen-yin
Korea (Republic)	(22) 07.04.2020	(51) G04G 9/00
Korea (Republic)	(54) METHOD AND APPARATUS FOR	G06Q 10/00
(51) G02F 1/1339	PHOTOLITHOGRAPHIC IMAGING	(11) EP2369431
G02F 1/1362	(73) ASML Netherlands B.V.	(21) EP11150274.6
G02F 1/1337	(72) FRANKE, Joern-Holger	(47) 25.01.2023
(11) EP3477370	HENDRICKX, Eric Henri Jan	(22) 06.01.2011
(21) EP18190847.6	SCHIFFELERS, Guido Constant Simon	(54) PROVIDING CALLED PARTY
(47) 25.01.2023	(31) 20164386	AWARENESS INFORMATION
(22) 24.08.2018	19171770	(73) Mitel Networks Corporation
(54) LIQUID CRYSTAL DISPLAY DEVICE	(32) 20.03.2020	(72) COUSE, Peter
(73) Samsung Display Co., Ltd	30.04.2019	(31) 661940
(72) SIM, Jun Bo	(33) European Patent Office (EPO)	(32) 25.03.2010
KIM, Yeun Tae	European Patent Office (EPO)	(33) United States of America
PARK, Do Yeong	(51) G03G 15/16	(51) G05B 13/04
LEE, Se Hyun	G03G 21/00	(11) EP3304236
(31) 20170140117	G03G 21/10	(21) EP16804407.1
(32) 26.10.2017	(11) EP3614211	(47) 25.01.2023
(33) Korea (Republic)	(21) EP19182134.7	(87) US2016035458
(51) G03B 37/02	(47) 25.01.2023	08.12.2016
G02B 13/02	(22) 25.06.2019	(22) 02.06.2016
G02B 15/14	(54) CLEANING DEVICE AND IMAGE	(54) SYSTEM AND METHOD FOR
G02B 15/15	FORMING APPARATUS THEREWITH	CONTROLLING RAMP IMBALANCES IN
G03B 13/36	(73) KYOCERA Document Solutions Inc.	MODEL PREDICTIVE CONTROLLERS
G03B 30/00	(72) UEDA, Yoji	(73) Shell Internationale Research
(11) EP3966631	KAMIYAMA, Yuji	Maatschappij B.V.
(21) EP21815874.9	(31) 2018153859	(72) AMRIT, Rishi
(47) 25.01.2023	(32) 20.08.2018	CARRETTE, Pierre Christian Marie
(87) IB2021054186	(33) Japan	WILLIAMSON, John Martin
09.12.2021	(51) G04B 19/14	CANNEY, William Matthew
(22) 15.05.2021	(11) EP3729204	(31) 201562171577 P
(54) SYSTEMS AND METHODS FOR	(21) EP18815697.0	(32) 05.06.2015
OBTAINING A SUPER MACRO IMAGE	(47) 25.01.2023	(33) United States of America
(73) Corephotonics Ltd.	(87) EP2018084210	(51) G05B 15/02
(72) COHEN, Noy	27.06.2019	G05B 19/042
SHABTAY, Gal	(22) 10.12.2018	(11) EP3411759
GOLDENBERG, Ephraim	(54) TIMEPIECE COMPRISING A DEVICE	(21) EP17704048.2
GEVA, Nadav	FOR ATTACHING A DIAL	(47) 25.01.2023
YAKIR, Udi	(73) ETA SA Manufacture Horlogère Suisse	(87) GB2017050243
HABANI, Sagi	(72) BALMER, Raphaël	10.08.2017
DANINO, Dolev	(31) 17209869	(22) 01.02.2017
(31) 202163177427 P	(32) 21.12.2017	(54) SYSTEM FOR CONTROLLING A
202163173446 P	(33) European Patent Office (EPO)	PLURALITY OF POWER-CONSUMING
202163164187 P	(51) G04B 37/11	DEVICES
202063119853 P	G04B 37/08	(73) Shields Energy Services Limited
202063110057 P	(11) EP3736642	(72) JONES, Christopher
202063070501 P	(21) EP19173328.6	(31) 201601768
202063032576 P	(47) 25.01.2023	(32) 01.02.2016
(32) 21.04.2021	(22) 08.05.2019	

(33) United Kingdom	(51) G05B 19/045	(54) METHODS AND SYSTEMS FOR
(51) G05B 17/02	G05B 9/03	DETECTING FAULTS IN VEHICLE
(11) EP3864471	G05B 23/02	CONTROL SYSTEMS
(21) EP18815046.0	(11) EP3508929	(73) Ningbo Geely Automobile Research &
(47) 25.01.2023	(21) EP18215297.5	Development Co., Ltd.
(87) RU2018000679	(47) 25.01.2023	(72) Palander, Michael
16.04.2020	(22) 21.12.2018	(51) G05B 23/02
(22) 12.10.2018	(54) DISTRIBUTED FINITE STATE MACHINE	G01F 1/34
(54) ELASTIC STRAIN ENGINEERING OF	CONFIGURATION FOR CONTROLLING	G01F 1/68
MATERIALS	A PHYSICAL ASSET	G01F 25/00
(73) MASSACHUSETTS INSTITUTE OF	(73) General Electric Company	(11) EP3580623
TECHNOLOGY	(72) Seely, William F	(21) EP17772237.8
Skolkovo Institute of Science and	Raffensperger, John Joseph	(47) 25.01.2023
Technology	Minto, Karl D	(87) US2017051433
Nanyang Technological University	(31) 201815862367	05.04.2018
(72) DAO, Ming	(32) 04.01.2018	(22) 14.09.2017
LI, Ju	(33) United States of America	(54) METHOD FOR DETECTION AND
SHI, Zhe	(51) G05B 19/418	ISOLATION OF FAULTY SENSORS
TSYMBALOV, Evgenii Alekseevich	(11) EP3314341	(73) General Electric Company
SHAPEEV, Alexander Vasilievich	(21) EP16726056.1	(72) GONZAGA, Carlos Alberto Cavichioli
SURESH, Subra	(47) 25.01.2023	SOUZA, Luiz Felipe Willcox
(51) G05B 19/042	(87) EP2016061530	DOUAT, Luiz Ricardo
(11) EP3382480	29.12.2016	NEMOTO, Rafael Horschutz
(21) EP18157582.0	(22) 23.05.2016	(31) 201615277814
(47) 25.01.2023	(54) METHOD AND DEVICE FOR	(32) 27.09.2016
(22) 20.02.2018	DETERMINING AN ENERGY-	(33) United States of America
(54) CONTROLLER	EFFICIENT OPERATING POINT	(51) G05B 23/02
(73) OMRON CORPORATION	(73) ZF Friedrichshafen AG	G03F 7/20
(72) NISHIYAMA, Yoshihide	(72) XU, Yiwen	(11) EP3924793
EGUCHI, Shigeyuki	YAKARIA, Herman	(21) EP20705024.6
OTA, Masanori	KÖSLER, Tobias	(47) 25.01.2023
(31) 2017072171	ACKERMANN, Thomas	(87) EP2020053324
(32) 31.03.2017	BAUER, Johannes	20.08.2020
(33) Japan	(31) 102015211944	(22) 10.02.2020
(51) G05B 19/042	(32) 26.06.2015	(54) OPEN-LOOP CONTROL SYSTEM,
G06F 9/445	(33) Germany	OPTICAL SYSTEM AND METHOD
(11) EP2659317	(51) G05B 19/418	(73) Carl Zeiss SMT GmbH
(21) EP11796931.1	(11) EP3538961	(72) HOFFMANN, Malte
(47) 25.01.2023	(21) EP17801817.2	SCHULZ, Gunther
(87) EP2011070862	(47) 25.01.2023	(31) 102019201810
05.07.2012	(87) US2017060628	(32) 12.02.2019
(22) 23.11.2011	17.05.2018	(33) Germany
(54) FIELD DEVICE HAVING LONG-TERM	(22) 08.11.2017	(51) G05B 23/02
FIRMWARE COMPATIBILITY	(54) SYSTEMS AND METHODS FOR	G05D 16/04
(73) Endress+Hauser Flowtec AG	PROCESSING OBJECTS	G05D 16/06
(72) WYSS, Juerg	(73) Berkshire Grey Operating Company, Inc.	(11) EP3629117
COLUCCI, Marco	(72) WAGNER, Thomas	(21) EP19195515.2
ELLE, André	AHEARN, Kevin	(47) 25.01.2023
(31) 102010064279	COHEN, Benjamin	(22) 05.09.2019
(32) 28.12.2010	DAWSON-HAGGERTY, Michael	(54) DETERMINING DIAPHRAGM LIFE ON
(33) Germany	GEYER, Christopher	A PRESSURE REGULATOR
(51) G05B 19/042	KOLETSCHKA, Thomas	(73) Dresser, LLC
G06F 11/20	MARONEY, Kyle	(72) ARTIUCH, Roman Leon
(11) EP2573636	MASON, Matthew, T.	MARTIN, Jeff Thomas
(21) EP12183922.9	PRICE, Gene Temple	(31) 201816121695
(47) 25.01.2023	ROMANO, Joseph	(32) 05.09.2018
(22) 11.09.2012	SMITH, Daniel	(33) United States of America
(54) Multi-channel control switchover logic	SRINIVASA, Siddhartha	(51) G05B 23/02
(73) Hamilton Sundstrand Corporation	VELAGAPUDI, Prasanna	G06F 3/06
(72) Kamenetz, Jeffry K.	ALLEN, Thomas	G06F 16/215
Johnston, Mark A.	(31) 201662418973 P	(11) EP3933532
Marotta, Edward John	(32) 08.11.2016	(21) EP21180576.7
Bleier, Cathleen R.	(33) United States of America	(47) 25.01.2023
O'Neil, John M.	(51) G05B 23/02	(22) 21.06.2021
(31) 201113239791	(11) EP3287859	(54) DATA MANAGEMENT SYSTEM, DATA
(32) 22.09.2011	(21) EP16185731.3	MANAGEMENT METHOD, AND DATA
(33) United States of America	(47) 25.01.2023	MANAGEMENT PROGRAM
	(22) 25.08.2016	(73) Yokogawa Electric Corporation

(72) EMA, Nobuaki YOSHIDA, Yoshitaka	(31) 102018124981	G08C 17/00
(31) 2020111700	(32) 10.10.2018	G05G 9/047
(32) 29.06.2020	(33) Germany	(11) EP3434830
(33) Japan	(51) G05D 23/19	(21) EP18184427.5
(51) G05D 1/00	F25D 29/00	(47) 25.01.2023
(11) EP3486740	F25D 13/00	(22) 19.07.2018
(21) EP18207126.6	(11) EP3803534	(54) OPERATING DEVICE FOR A WORKING MACHINE
(47) 25.01.2023	(21) EP19731097.2	(73) Liebherr-Hydraulikbagger GmbH
(22) 19.11.2018	(47) 25.01.2023	(72) Bolz, Gerhard
(54) SYSTEMS AND METHODS FOR PROVIDING PREDICTED MODE CHANGE DATA FOR DECOUPLED VERTICAL NAVIGATION (VNAV) AND LATERAL NAVIGATION (LNAV) AUTOPILOT OPERATIONS	(87) US2019034746 05.12.2019	Mang, Florian
(73) Honeywell International Inc.	(22) 30.05.2019	Ansorge, Dieter
(72) VENKATARAMANA, Kiran Mancheiah	(54) THERMAL CONTROL SYSTEM	(31) 102017116830
(31) 201715819120	(73) Lineage Logistics, LLC	(32) 25.07.2017
(32) 21.11.2017	(72) WOOLF, Alexander James	(33) Germany
(33) United States of America	WOLF, Elliott Gerard	(51) G06F 1/16
(51) G05D 1/00	WINTZ, Daniel Thomas	(11) EP3311377
B63H 21/21	TOOTELL, Jesse Scott	(21) EP16810881.9
B63H 25/00	KAYE, Bryan Thomas	(47) 25.01.2023
(11) EP3757707	CROSSNO, Jesse Dylan	(87) CN2016082865
(21) EP20181067.8	ZHANG, Alexander Ming	22.12.2016
(47) 25.01.2023	WEST, Gabriel Len	(22) 20.05.2016
(22) 19.06.2020	CRAWFORD, John Richardson	(54) DISPLAY APPARATUS HAVING A FLEXIBLE DISPLAY PANEL
(54) DEVICE, METHOD, AND PROGRAM FOR CONTROLLING SHIP BODY	FLEWELLING, Tiara Lee	(73) BOE Technology Group Co., Ltd.
(73) FURUNO ELECTRIC CO., LTD.	(31) 201916413309	(72) SONG, Song
(72) UENO, Hideki	201815993259	(31) 201510335013
(31) 2019119450	(32) 15.05.2019	(32) 16.06.2015
(32) 27.06.2019	30.05.2018	(33) China
(33) Japan	(33) United States of America United States of America	(51) G06F 1/16
(51) G05D 1/02	(51) G05F 3/04	G04G 17/08
G01C 21/00	G05F 3/26	(11) EP3442205
(11) EP3921714	H03M 1/06	(21) EP16900870.3
(21) EP20713770.4	H03M 1/12	(47) 25.01.2023
(47) 25.01.2023	G05F 3/18	(87) CN2016081288
(87) US2020016566	(11) EP3792728	09.11.2017
13.08.2020	(21) EP20192936.1	(22) 06.05.2016
(22) 04.02.2020	(47) 25.01.2023	(54) WEARABLE DEVICE
(54) SYSTEM AND METHOD FOR MAST SWAY COMPENSATION	(22) 26.08.2020	(73) Huawei Technologies Co., Ltd.
(73) Crown Equipment Corporation	(54) CURRENT MIRROR ARRANGEMENTS WITH DOUBLE-BASE CURRENT CIRCULATORS	(72) YANG, Jun
(72) THODE, Justin Forbes	(73) Analog Devices, Inc.	TANG, Zhihong
LEE, Grace Da-In	(72) Aksin, Devrim	TIAN, Feng
(31) 201962801904 P	Foroudi, Omid	LV, Jiawei
201962801897 P	(31) 201916570346	(51) G06F 1/16
201962801893 P	(32) 13.09.2019	G06F 1/3206
(32) 06.02.2019	(33) United States of America	G06F 1/3231
06.02.2019	(51) G05G 1/04	(11) EP3506052
06.02.2019	E02F 9/16	(21) EP16916418.3
(33) United States of America	E02F 9/20	(47) 25.01.2023
United States of America	(11) EP3734399	(87) CN2016099417
United States of America	(21) EP18893504.3	29.03.2018
(51) G05D 16/20	(47) 25.01.2023	(22) 20.09.2016
E03B 7/07	(87) JP2018040816	(54) METHOD OF DETECTING WHETHER SMART DEVICE IS BEING WORN, AND SMART DEVICE
(11) EP3637216	04.07.2019	(73) Honor Device Co., Ltd.
(21) EP19194831.4	(22) 02.11.2018	(72) ZHANG, Hong
(47) 25.01.2023	(54) LEVER DEVICE AND WORKING MACHINE WITH SAME	(51) G06F 1/16
(22) 02.09.2019	(73) KUBOTA CORPORATION	H04M 1/02
(54) ARRANGEMENT AND METHOD FOR REGULATING THE OUTPUT FLOW PRESSURE OF A WATER FITTING	(72) NISHIGORI Yoichi	(11) EP3507674
(73) Hans Sasserath GmbH & Co KG	SAKURAOKA Satoru	(21) EP17764723.7
(72) Hecking, Willi	(31) 2017250814	(47) 25.01.2023
	(32) 27.12.2017	(87) US2017048772
	(33) Japan	08.03.2018
	(51) G05G 9/04	(22) 26.08.2017
	G06F 3/01	(54) INTEGRATED MULTI-PIVOT HINGE MODULE
	E02F 9/20	(73) Microsoft Technology Licensing, LLC

(72) TAZBAZ, Errol M. BITZ, Brian (31) 201615256412 (32) 02.09.2016 (33) United States of America	(51) G06F 1/16 H04M 1/02 (11) EP3869294 (21) EP20188525.8 (47) 25.01.2023 (22) 30.07.2020 (54) HINGE, HINGE ASSEMBLY AND FOLDABLE ELECTRONIC DEVICE (73) Beijing Xiaomi Mobile Software Co., Ltd. (72) ZHANG, Xuehu ZHAO, Lianjia WANG, Zhengquan JIN, Hongwei (31) 202010104844 (32) 20.02.2020 (33) China	(51) G06F 1/26 (11) EP3465379 (21) EP17729069.9 (47) 25.01.2023 (87) EP2017063362 07.12.2017 (22) 01.06.2017 (54) SYSTEMS, APPARATUS, AND METHODS FOR POWERING ELECTRONIC DEVICES WITH LOW VOLTAGE BATTERIES (73) Ascensia Diabetes Care Holdings AG (72) GOFMAN, Igor Y. (31) 201662344383 P (32) 01.06.2016 (33) United States of America	China
(51) G06F 1/16 H04M 1/02 (11) EP3869294 (21) EP20188525.8 (47) 25.01.2023 (22) 30.07.2020 (54) HINGE, HINGE ASSEMBLY AND FOLDABLE ELECTRONIC DEVICE (73) Beijing Xiaomi Mobile Software Co., Ltd. (72) ZHANG, Xuehu ZHAO, Lianjia WANG, Zhengquan JIN, Hongwei (31) 202010104844 (32) 20.02.2020 (33) China	(51) G06F 1/16 H04R 1/00 (11) EP3674838 (21) EP19214947.4 (47) 25.01.2023 (22) 10.12.2019 (54) ELECTRONIC DEVICE (73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. (72) ZUO, Zhouquan (31) 201811640399 (32) 29.12.2018 (33) China	(51) G06F 3/01 (11) EP3392745 (21) EP18168568.6 (47) 25.01.2023 (22) 20.04.2018 (54) MULTI-DEVICE VIRTUAL REALITY, ARTIFICIAL REALITY AND MIXED REALITY ANALYTICS (73) Accenture Global Solutions Limited (72) WEBB, Sunny SHORT, Matthew Thomas MEHTA, Manish DOOLEY, Robert CHENG, Grace T. DUBEY, Alpna A. (31) 201762488457 P (32) 21.04.2017 (33) United States of America	(51) G06F 3/048 G06F 3/14 (11) EP3196747 (21) EP16205711.1 (47) 25.01.2023 (22) 21.12.2016 (54) USER INTERFACES IN A COMPUTER SYSTEM (73) SSH Communications Security Oyj (72) KETOLA, Jarkko (31) 201514980137 (32) 28.12.2015 (33) United States of America
(51) G06F 1/16 H04R 1/00 (11) EP3674838 (21) EP19214947.4 (47) 25.01.2023 (22) 10.12.2019 (54) ELECTRONIC DEVICE (73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. (72) ZUO, Zhouquan (31) 201811640399 (32) 29.12.2018 (33) China	(51) G06F 1/20 G06F 1/3221 G06F 1/3225 G06F 1/3234 G06F 3/06 (11) EP3995933 (21) EP20205818.6 (47) 25.01.2023 (22) 05.11.2020 (54) METHOD AND SYSTEM FOR CONTROLLING DATA STORAGE DEVICE TEMPERATURE (73) Axis AB (72) Kälvesten, Gustav	(51) G06F 3/01 (11) EP3906459 (21) EP19842890.6 (47) 25.01.2023 (87) IB2019061447 09.07.2020 (22) 30.12.2019 (54) SENSING DEVICE SUITABLE FOR HAPTIC PERCEPTION APPLICATIONS (73) Weart S.r.l. (72) GIOIOSO, Guido SPAGNOLETTI, Giovanni PRATTICHIZZO, Domenico AURILIO, Mirko (31) 201900000004 (32) 02.01.2019 (33) Italy	(51) G06F 3/04817 G06F 9/46 G06F 16/11 G06F 9/48 (11) EP3867751 (21) EP19794266.7 (47) 25.01.2023 (87) IN2019050773 23.04.2020 (22) 19.10.2019 (54) DEPENDENCY GRAPH-CONTROLLED OBJECT AND COMPUTE PIPELINE MIGRATION (73) ORACLE FINANCIAL SERVICES SOFTWARE LIMITED (72) VADAPANDESHWARA, Rajaram N. JACOB, Jesna JOSHY, Rony (31) 201841039626 201916430566 (32) 19.10.2018 04.06.2019 (33) India
(51) G06F 1/20 H01L 23/427 H05K 7/20 H04M 1/02 F28D 20/02 (11) EP3554203 (21) EP16924972.9 (47) 25.01.2023 (87) CN2016113152 05.07.2018 (22) 29.12.2016 (54) TERMINAL APPARATUS COMPRISING A HEAT DISSIPATION DEVICE (73) Huawei Technologies Co., Ltd. (72) LI, Wei CHEN, Chunyang CHEN, Baochun ZHANG, Zhiguo LI, Quanming	(51) G06F 1/20 H01L 23/427 H05K 7/20 H04M 1/02 F28D 20/02 (11) EP3554203 (21) EP16924972.9 (47) 25.01.2023 (87) CN2016113152 05.07.2018 (22) 29.12.2016 (54) TERMINAL APPARATUS COMPRISING A HEAT DISSIPATION DEVICE (73) Huawei Technologies Co., Ltd. (72) LI, Wei CHEN, Chunyang CHEN, Baochun ZHANG, Zhiguo LI, Quanming	(51) G06F 3/044 G06F 3/041 (11) EP3438803 (21) EP18186118.8 (47) 25.01.2023 (22) 27.07.2018 (54) ARRAY SUBSTRATE, SELF-CAPACITIVE TOUCH DISPLAY PANEL, AND ELECTRONIC APPARATUS (73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. (72) Zeng, Yuanqing (31) 201710783734 201710646419 (32) 31.08.2017 31.07.2017 (33) China	(51) G06F 3/0485 G06F 3/0481 G06F 3/0482 G06Q 10/02 G06Q 10/10 G06T 11/60 G06T 13/00 H04M 1/725 H04N 5/232 G06F 3/04817 G06F 3/04842 G06F 3/04845 G06F 3/04847 G06F 3/04883 G06F 3/04886 G06F 40/197 H04M 1/7243 H04L 51/216 H04L 51/046 (11) EP3620902 (21) EP19180887.2 (47) 25.01.2023 (22) 18.05.2017 (54) DEVICES, METHODS, AND GRAPHICAL USER INTERFACES FOR MESSAGING (73) Apple Inc. (72) CHAUDHRI, Imran A. ANZURES, Freddy A. DELLINGER, Richard R.

GRIFFIN, Bradley W.	G06F 3/046	(47) 25.01.2023
JON, Tiffany S.	G09G 3/3225	(87) IB2016051588
KARUNAMUNI, Chanaka G.	H01L 27/32	29.06.2017
KING, Nicholas V.	(11) EP3489820	(22) 21.03.2016
MOHSENI, Daamun	(21) EP17771323.7	(54) SEMANTIC WEAVING OF
PHAM, Hoan	(47) 25.01.2023	CONFIGURATION FRAGMENTS INTO
TYLER, William M.	(87) CN2017079291	A CONSISTENT CONFIGURATION
WAN, Wan Si	25.01.2018	(73) Telefonaktiebolaget LM Ericsson (publ)
YERKES, Giancarlo	(22) 01.04.2017	(72) JAHANBANIFAR, Azadeh
CONOLLY, Bethany B.	(54) OLED DISPLAY DEVICE AND	TOEROE, Maria
ADLER, Darin B.	PRESSURE TOUCH-CONTROL DRIVE	KHENDEK, Ferhat
(31) PA201670655	METHOD THEREOF	(31) 201562270784 P
PA201670654	(73) BOE Technology Group Co., Ltd.	(32) 22.12.2015
PA201670653	Beijing BOE Optoelectronics Technology	(33) United States of America
PA201670652	Co., Ltd.	(51) G06F 9/38
PA201670651	(72) WANG, Pengpeng	G06F 9/30
PA201670650	DONG, Xue	(11) EP2936304
PA201670649	CHEN, Xiaochuan	(21) EP13864457.0
PA201670648	WANG, Haisheng	(47) 25.01.2023
PA201670647	LIU, Yingming	(87) US2013074364
PA201670642	DING, Xiaoliang	26.06.2014
PA201670641	ZHAO, Weijie	(22) 11.12.2013
PA201670636	YANG, Shengji	(54) SCALABLE COMPUTE FABRIC
201762506614 P	LI, Changfeng	(73) Intel Corporation
201615272399	LIU, Wei	(72) MORRISON, Teresa
201662349116 P	GAO, Jian	KRIG, Scott
201662349114 P	(31) 201610585740	(31) 201213721400
201662339078 P	(32) 22.07.2016	(32) 20.12.2012
201662338502 P	(33) China	(33) United States of America
(32) 26.08.2016	(51) G06F 3/16	(51) G06F 9/4401
26.08.2016	H04N 21/422	G06F 13/38
26.08.2016	H04N 21/43	G06F 21/62
26.08.2016	H04N 21/436	G06F 21/85
26.08.2016	H04N 21/45	G06Q 20/20
26.08.2016	H04N 21/472	G06Q 20/32
26.08.2016	H04N 21/485	(11) EP3200070
26.08.2016	H04N 21/81	(21) EP17153134.6
26.08.2016	(11) EP4016279	(47) 25.01.2023
24.08.2016	(21) EP21216196.2	(22) 25.01.2017
24.08.2016	(47) 25.01.2023	(54) COUPLED DEVICE DEPLOYMENT
24.08.2016	(22) 21.12.2021	LOCATION CLASSIFICATION
16.05.2017	(54) VOTING METHOD AND DEVICE	(73) NCR Corporation
21.09.2016	IMPLEMENTING SAID METHOD	(72) Caine, Nicholas
12.06.2016	(73) SAGEMCOM BROADBAND SAS	Mayo, David
12.06.2016	(72) BERGER, Jérôme	(31) 201615011599
19.05.2016	(31) 2013827	(32) 31.01.2016
18.05.2016	(32) 21.12.2020	(33) United States of America
(33) Denmark	(33) France	(51) G06F 9/445
Denmark	(51) G06F 7/535	H04W 4/40
Denmark	G06F 7/72	G06F 21/30
Denmark	(11) EP3885896	G06F 8/65
Denmark	(21) EP21174954.4	(11) EP3690643
Denmark	(47) 25.01.2023	(21) EP17929441.8
Denmark	(22) 22.08.2019	(47) 25.01.2023
Denmark	(54) FLOAT DIVISION BY CONSTANT	(87) SG2017050530
Denmark	INTEGER WITH OUTPUT	02.05.2019
Denmark	SUBTRACTION	(22) 24.10.2017
Denmark	(73) Imagination Technologies Limited	(54) VEHICLE-MOUNTED DEVICE
Denmark	(72) KÁLLÉN, Jonas	UPGRADING METHOD AND RELATED
United States of America	ELLIOTT, Sam	DEVICE
United States of America	(31) 201813701	(73) Huawei International Pte. Ltd.
United States of America	(32) 22.08.2018	(72) YANG, Yanjiang
United States of America	(33) United Kingdom	WEI, Zhuo
United States of America	(51) G06F 8/10	LIN, Hsiao Ying
United States of America	G06F 8/35	LI, Tieyan
(51) G06F 3/14	G06F 9/445	SHEN, Junqiang
G01D 5/14	(11) EP3394745	(51) G06F 9/448
G06F 3/041	(21) EP16716287.4	G06F 9/48

(11) EP3189419	H04L 67/00	(31) 2016145845
(21) EP15771757.0	H04W 4/02	2016123067
(47) 25.01.2023	H04W 4/80	2016100008
(87) US2015048089	(11) EP3365777	2015245738
10.03.2016	(21) EP16784727.6	2015222289
(22) 02.09.2015	(47) 25.01.2023	201662338071 P
(54) MANAGING INVOCATION OF TASKS	(87) US2016056697	201662276454 P
(73) AB Initio Technology LLC	27.04.2017	201562268693 P
(72) STANFILL, Craig W.	(22) 13.10.2016	(32) 25.07.2016
SHAPIRO, Richard	(54) PHYSICAL AND VIRTUAL PHONE	21.06.2016
KUKOLICH, Stephen A.	MOBILITY	18.05.2016
WHOLEY, III, Joseph Skeffington	(73) Microsoft Technology Licensing, LLC	17.12.2015
(31) 201562164175 P	(72) TARLTON, Mark A.	12.11.2015
201462044665 P	(31) 201514918101	18.05.2016
(32) 20.05.2015	(32) 20.10.2015	08.01.2016
02.09.2014	(33) United States of America	17.12.2015
(33) United States of America	(51) G06F 11/14	(33) Japan
United States of America	G06F 11/20	Japan
(51) G06F 9/451	(11) EP3959616	Japan
G06F 3/0481	(21) EP19842465.7	Japan
(11) EP3432143	(47) 25.01.2023	Japan
(21) EP18184403.6	(87) US2019067125	United States of America
(47) 25.01.2023	29.10.2020	United States of America
(22) 19.07.2018	(22) 18.12.2019	United States of America
(54) METHOD AND DEVICE FOR	(54) DATA DISTRIBUTION IN CONTINUOUS	(51) G06F 16/172
DISPLAYING FLOATING WINDOW	REPLICATION SYSTEMS	G06Q 10/10
(73) Beijing Xiaomi Mobile Software Co., Ltd.	(73) EMC IP Holding Company LLC	(11) EP3499378
(72) LIU, Ming	(72) SAVIR, Amihai	(21) EP18212423.0
WANG, Le	NATANZON, Assaf	(47) 25.01.2023
WANG, Baolin	(31) 201916395035	(22) 13.12.2018
(31) 201710591479	(32) 25.04.2019	(54) METHOD AND SYSTEM OF
(32) 19.07.2017	(33) United States of America	SHARING PRODUCT DATA IN A
(33) China	(51) G06F 12/0804	COLLABORATIVE ENVIRONMENT
(51) G06F 9/451	G06F 12/0811	(73) Siemens Industry Software Inc.
G06F 9/455	G06F 12/0815	(72) MAROTHIYA, Pankaj
G06T 15/00	G06F 9/30	RAJAGOPAL, Ravi
G06T 1/20	G06F 9/52	(31) 201731045105
(11) EP3627319	(11) EP3217288	(32) 15.12.2017
(21) EP19198408.7	(21) EP17157413.0	(33) India
(47) 25.01.2023	(47) 25.01.2023	(51) G06F 16/2453
(22) 19.09.2019	(22) 22.02.2017	(11) EP3857401
(54) DISPLAY RESOURCE SCHEDULING	(54) ATOMIC INSTRUCTION HAVING	(21) EP19745827.6
METHOD AND DEVICE FOR	A LOCAL SCOPE LIMITED TO AN	(47) 25.01.2023
EMBEDDED SYSTEM	INTERMEDIATE CACHE LEVEL	(87) US2019039656
(73) Cloudminds (Shenzhen) Robotics	(73) Kalray	02.04.2020
Systems Co., Ltd.	(72) DUPONT DE DINECHIN, Benoît	(22) 28.06.2019
(72) LI, Yangang	RYBCZYNSKA, Marta	(54) METHODS FOR AUTOMATIC
(31) 201811109990	RAY, Vincent	SELECTION OF DEGREES OF
(32) 21.09.2018	(31) 1651869	PARALLELISM FOR EFFICIENT
(33) China	(32) 07.03.2016	EXECUTION OF QUERIES IN A
(51) G06F 9/48	(33) France	DATABASE SYSTEM
G06F 9/50	(51) G06F 16/00	(73) Microsoft Technology Licensing, LLC
(11) EP3452905	G06F 16/51	(72) FAN, Zhiwei
(21) EP17724993.5	H04B 10/116	SEN, Rathijit
(47) 25.01.2023	H04N 21/4223	CHAVAN, Harshada
(87) US2017031492	H04N 21/431	HALVERSON, Alan
09.11.2017	(11) EP3376772	(31) 201816147820
(22) 08.05.2017	(21) EP16863834.4	(32) 30.09.2018
(54) SEISMIC PROCESSING TASK	(47) 25.01.2023	(33) United States of America
PREDICTIVE SCHEDULER	(87) JP2016004865	(51) G06F 16/38
(73) GeoQuest Systems B.V.	18.05.2017	G06F 16/36
(72) DECKER, Marvin	(22) 11.11.2016	(11) EP3493076
(31) 201662332661 P	(54) DISPLAY METHOD, PROGRAM AND	(21) EP18206126.7
(32) 06.05.2016	DISPLAY DEVICE	(47) 25.01.2023
(33) United States of America	(73) Panasonic Intellectual Property	(22) 14.11.2018
(51) G06F 9/48	Corporation of America	(54) COGNITIVE DECISION SYSTEM FOR
G06F 9/50	(72) AOYAMA, Hideki	SECURITY AND LOG ANALYSIS USING
H04L 67/10	OSHIMA, Mitsuaki	

ASSOCIATIVE MEMORY MAPPING IN GRAPH DATABASE	(54) INFERENCE METHOD, INFERENCE DEVICE, AND INFERENCE PROGRAM	(72) FALEMPIN, Sven
(73) Accenture Global Solutions Limited	(73) NIPPON TELEGRAPH AND TELEPHONE CORPORATION	(31) DUVAL, Bruno
(72) PATAVARDHAN, Sudhir Ranganna	(72) CHIBA, Daiki	(31) 1462042
TANWAR, Nikhil	KOIDE, Takashi	1462056
(31) 201711043445	HASEGAWA, Ayako	(32) 08.12.2014
(32) 04.12.2017	AKIYAMA, Mitsuaki	08.12.2014
(33) India		(33) France
(51) G06F 17/18	(31) 2019028849	France
G06T 17/05	(32) 20.02.2019	(51) G06F 21/64
G06Q 10/04	(33) Japan	H04L 9/32
G01W 1/10	(51) G06F 21/57	(11) EP3739493
G06N 3/00	G06F 21/51	(21) EP19194749.8
G06N 3/12	(11) EP3812939	(47) 25.01.2023
G06N 20/10	(21) EP19845230.2	(22) 30.08.2019
G06Q 50/02	(47) 25.01.2023	(54) FILE VERIFICATION METHOD, FILE VERIFICATION SYSTEM AND FILE VERIFICATION SERVER
(11) EP3455742	(87) JP2019029907	(73) Acer Incorporated
(21) EP17796643.9	06.02.2020	(72) Huang, Yung-Cheng
(47) 25.01.2023	(22) 30.07.2019	Huang, Shao-Nung
(87) US2017031621	(54) INFORMATION PROCESSING DEVICE, VERIFICATION METHOD AND VERIFICATION PROGRAM	(31) 108116661
16.11.2017	(73) NIPPON TELEGRAPH AND TELEPHONE CORPORATION	(32) 15.05.2019
(22) 08.05.2017	(72) NAGAYOSHI, Takeshi	(33) Taiwan, Chinese Taipei
(54) STATISTICAL BLENDING OF WEATHER DATA SETS	KOMATSU, Yuichi	(51) G06F 40/129
(73) Climate LLC	SATO, Ryota	G06F 40/30
(72) LEMOS, Ricardo T.	(31) 2018144329	G10L 15/26
HOYER, Stephan	(32) 31.07.2018	G10L 15/22
(31) 201615153392	(33) Japan	G06F 3/01
(32) 12.05.2016	(51) G06F 21/60	(11) EP3779970
(33) United States of America	G06F 21/62	(21) EP18879061.2
(51) G06F 21/30	H04L 9/40	(47) 25.01.2023
G06F 21/78	H04N 21/433	(87) CN2018114792
G06F 21/32	H04N 21/4408	23.05.2019
G06F 21/86	H04N 21/845	(22) 09.11.2018
(11) EP3540618	H04L 67/568	(54) VOICE RECOGNITION AND ERROR CORRECTION METHOD AND VOICE RECOGNITION AND ERROR CORRECTION SYSTEM
(21) EP18161964.4	H04N 21/436	(73) NIO (Anhui) Holding Co., Ltd.
(47) 25.01.2023	(11) EP3899771	(72) GE, Sihan
(22) 15.03.2018	(21) EP19839047.8	MA, Tianze
(54) PORTABLE STORAGE APPARATUS	(47) 25.01.2023	LIN, Feng
(73) Rohde & Schwarz GmbH & Co. KG	(87) US2019066870	DUAN, Quansheng
(72) KELES, Mustafa	25.06.2020	ZHAO, Haotian
(51) G06F 21/53	(22) 17.12.2019	XIA, Yan
G06F 21/55	(54) SECURE OFFLINE STREAMING OF CONTENT	LIANG, Wei
H04L 9/32	(73) Citrix Systems, Inc.	ZHOU, Ji
H04L 9/00	(72) DYVADHEENAM, Noah	XU, Longsheng
(11) EP3891633	VANAHALLI, Satish	MA, Yingcai
(21) EP19817205.8	AGARWAL, Chirag	YIN, Lutong
(47) 25.01.2023	AKHOURY, Arnav	(31) 201711121071
(87) EP2019083548	(31) 201816223475	(32) 14.11.2017
11.06.2020	(32) 18.12.2018	(33) China
(22) 03.12.2019	(33) United States of America	(51) G06K 9/00
(54) SECURE DEPLOYMENT AND OPERATION OF A VIRTUAL PLATFORM SYSTEM	(51) G06F 21/60	A41H 3/00
(73) Nagravision Sàrl	H04L 9/08	G06V 20/20
(72) SCHMID, Christophe	H04L 9/40	G06V 40/10
(31) 18209913	(11) EP3231152	G06T 17/00
(32) 03.12.2018	(21) EP15807866.7	A41H 3/04
(33) European Patent Office (EPO)	(47) 25.01.2023	(11) EP3252668
(51) G06F 21/55	(87) EP2015079015	(21) EP17173657.2
G06F 16/00	16.06.2016	(47) 25.01.2023
H04L 9/40	(22) 08.12.2015	(22) 31.05.2017
(11) EP3905608	(54) DYNAMIC DATA ENCRYPTION METHOD, AND ASSOCIATED METHOD FOR CONTROLLING DECRYPTION RIGHTS	(54) APPARATUS FOR DESIGNING A PATTERN FOR A WEARABLE ITEM
(21) EP20759420.1	(73) Citypassenger	(73) Adidas AG
(47) 25.01.2023		(72) COLAIANNI, Matteo
(87) JP2020004193		SIEGL, Christian
27.08.2020		
(22) 04.02.2020		

THIES, Lucas	(87) EP2018000234	(51) G06N 3/063
HILL, Jan	15.11.2018	(11) EP3918532
WILHELM, Anna	(22) 02.05.2018	(21) EP19768966.4
SUESSMUTH, Jochen Björn	(54) ELASTIC CARRIER FILM	(47) 25.01.2023
O'MAHONY, David	(73) Giesecke+Devrient Mobile Security GmbH	(87) US2019048929
(31) 102016209671		06.08.2020
(32) 02.06.2016	(72) RIEDL, Josef	(22) 29.08.2019
(33) Germany	ENDRES, Günter	(54) NEURAL NETWORK CLASSIFIER USING ARRAY OF FOUR-GATE NON-VOLATILE MEMORY CELLS
(51) G06K 9/00	(31) 102017004499	(73) Silicon Storage Technology, Inc.
G08G 1/16	(32) 10.05.2017	(72) TRAN, Hieu Van
(11) EP2181416	(33) Germany	LEMKE, Steven
(21) EP08785741.3	(51) G06K 19/077	TIWARI, Vipin
(47) 25.01.2023	A01K 11/00	DO, Nhan
(87) EP2008007045	(11) EP3437027	REITEN, Mark
12.03.2009	(21) EP17716742.6	(31) 201916382034
(22) 28.08.2008	(47) 25.01.2023	201962798417 P
(54) METHOD AND SYSTEM FOR EVALUATING BRIGHTNESS VALUES IN SENSOR IMAGES OF IMAGE-EVALUATING ADAPTIVE CRUISE CONTROL SYSTEMS	(87) US2017024987	(32) 11.04.2019
(73) Valeo Schalter und Sensoren GmbH	05.10.2017	29.01.2019
(72) KUEHNLE, Andreas	(22) 30.03.2017	(33) United States of America
BOON, Cathy	(54) SINGLE OR DUAL TECHNOLOGY ANIMAL TAGS AND SYSTEM AND METHOD OF USING THE SAME	United States of America
(31) 966757 P	(73) Boehringer Ingelheim Animal Health USA Inc.	(51) G06N 3/063
(32) 29.08.2007	(72) DELIOU, Pierre-Emmanuel	G06N 3/04
(33) United States of America	LAFON, Sebastien	(11) EP3912101
(51) G06K 17/00	(31) 201662316204 P	(21) EP19768968.0
A24D 3/00	(32) 31.03.2016	(47) 25.01.2023
A24D 3/02	(33) United States of America	(87) US2019048933
A24F 19/09	(51) G06N 3/02	23.07.2020
A24F 19/10	G06N 3/08	(22) 29.08.2019
A24F 47/00	G06T 7/00	(54) NEURAL NETWORK CLASSIFIER USING ARRAY OF THREE-GATE NON-VOLATILE MEMORY CELLS
A24D 3/04	(11) EP3452959	(73) Silicon Storage Technology, Inc.
(11) EP3836024	(21) EP17720668.7	(72) TRAN, Hieu Van
(21) EP20213520.8	(47) 25.01.2023	LEMKE, Steven
(47) 25.01.2023	(87) DK2017050121	TIWARI, Vipin
(22) 11.12.2020	09.11.2017	DO, Nhan
(54) FILTER UNIT FOR A TOBACCO PRODUCT AND DISPOSAL OF A USED FILTER UNIT	(22) 25.04.2017	REITEN, Mark
(73) Mayr-Melnhof Karton AG	(54) MODEL CONSTRUCTION IN A NEURAL NETWORK FOR OBJECT DETECTION	(31) 201916382045
(72) VORENKAMP, Harman	(73) Scopito ApS	201962798417 P
THEIS, Uwe	(72) FALK, Ken	201962794492 P
(31) 102019134196	PEDERSEN, Jeanette B.	(32) 11.04.2019
(32) 12.12.2019	THORSGAARD, Henrik	29.01.2019
(33) Germany	(31) 201670284	18.01.2019
(51) G06K 19/07	(32) 02.05.2016	(33) United States of America
G06K 19/077	(33) Denmark	United States of America
(11) EP3891661	(51) G06N 3/04	United States of America
(21) EP19880940.2	G06N 3/08	(51) G06N 3/08
(47) 25.01.2023	G10L 19/08	G06F 11/07
(87) FR2019000203	(11) EP3906551	(11) EP3968161
11.06.2020	(21) EP19824350.3	(21) EP21164387.9
(22) 06.12.2019	(47) 25.01.2023	(47) 25.01.2023
(54) METAL CHIP CARD WITH DUAL COMMUNICATION INTERFACE	(87) EP2019086656	(22) 23.03.2021
(73) Smart Packaging Solutions	09.07.2020	(54) METHOD AND APPARATUS FOR GENERATING ERROR REPORTING CONTENT OF DEEP LEARNING FRAMEWORK
(72) VACCARELLO, Lea	(22) 20.12.2019	(73) Beijing Baidu Netcom Science and Technology Co., Ltd.
GERIN, Guillaume	(54) METHOD, APPARATUS AND SYSTEM FOR HYBRID SPEECH SYNTHESIS	(72) ZHUO, Wei
DANLER-BAUMGARTNER, Stephan	(73) Dolby International AB	LAN, Xiang
(31) 1872550	(72) MUSTAFA, Ahmed	CHEN, Weihang
(32) 07.12.2018	BISWAS, Arijit	LUO, Tao
(33) France	(31) 201962787831 P	(31) 202010969161
(51) G06K 19/077	19150154	(32) 15.09.2020
(11) EP3622441	(32) 03.01.2019	(33) China
(21) EP18721684.1	03.01.2019	(51) G06Q 10/04
(47) 25.01.2023	(33) United States of America	
	European Patent Office (EPO)	

G06Q 10/08	(54) PRODUCT PRODUCER	MULTIPLE IMAGES OF A BIOLOGICAL
G06Q 50/04	REQUIREMENT MANAGEMENT	SPECIMEN
G06Q 50/28	SYSTEM	(73) Ventana Medical Systems, Inc.
(11) EP3796238	(73) Carrier Corporation	Providence Health & Services - Oregon
(21) EP20193806.5	(72) CHOPKO, Robert A.	(72) BARNES, Michael
(47) 25.01.2023	POOLMAN, Ciara	CHEN, Ting
(22) 01.09.2020	BEASLEY, Marc	CHEFD'HOTEL, Christophe
(54) SYSTEM FOR TREATING FOOD	CRONIN, John	TUBBS, Alisa
PRODUCTS AND CORRESPONDING	WILSON, Dylan Jonathan	BIFULCO, Carlo
METHOD	(31) 201662351745 P	(31) 201562213487 P
(73) Ali Group S.r.l. - Carpigiani	(32) 17.06.2016	(32) 02.09.2015
(72) COCCHI, Andrea	(33) United States of America	(33) United States of America
LAZZARINI, Roberto	(51) G06Q 30/02	(51) G06T 17/05
STEFANELLI, Cesare	(11) EP2273431	G01S 17/00
TORTONESI, Mauro	(21) EP10007106.7	(11) EP3948794
(31) 201900016301	(47) 25.01.2023	(21) EP20718113.2
(32) 13.09.2019	(22) 09.07.2010	(47) 25.01.2023
(33) Italy	(54) Model determination system	(87) US2020024169
(51) G06Q 10/06	(73) Accenture Global Services Limited	01.10.2020
G06Q 10/10	(72) Guild, John A.	(22) 23.03.2020
(11) EP3577610	(31) 238335 P	(54) SYSTEMS AND METHODS FOR
(21) EP18703429.3	224258 P	GENERATING SYNTHETIC SENSOR
(47) 25.01.2023	(32) 31.08.2009	DATA VIA MACHINE LEARNING
(87) US2018014607	09.07.2009	(73) UATC, LLC
09.08.2018	(33) United States of America	(72) MANIVASAGAM, Sivabalan
(22) 22.01.2018	United States of America	WANG, Shenlong
(54) ASSOCIATING MEETINGS WITH	(51) G06T 7/13	MA, Wei-Chiu
PROJECTS USING CHARACTERISTIC	G06T 7/181	WONG, Kelvin Ka Wing
KEYWORDS	(11) EP3809361	ZENG, Wenyuan
(73) Microsoft Technology Licensing, LLC	(21) EP18926958.2	URTASUN, Raquel
(72) SOMECH, Haim	(47) 25.01.2023	(31) 201962950279 P
PRINESS, Ido	(87) CN2018106242	201962936439 P
DOTAN-COHEN, Dikla	23.01.2020	201962822844 P
(31) 201715631897	(22) 18.09.2018	(32) 19.12.2019
201762452910 P	(54) WRINKLE DETECTION METHOD AND	16.11.2019
(32) 23.06.2017	ELECTRONIC DEVICE	23.03.2019
31.01.2017	(73) Honor Device Co., Ltd.	(33) United States of America
(33) United States of America	(72) HU, Hongwei	United States of America
United States of America	DONG, Chen	United States of America
(51) G06Q 10/06	DING, Xin	(51) G06T 19/20
G06Q 20/40	GAO, Wenmei	G06T 17/00
(11) EP3543922	(31) 201810776285	G06T 3/00
(21) EP18817011.2	(32) 16.07.2018	(11) EP3338251
(47) 25.01.2023	(33) China	(21) EP16837782.8
(87) CN2018091042	(51) G06T 7/73	(47) 25.01.2023
20.12.2018	G06T 7/80	(87) US2016047425
(22) 13.06.2018	(11) EP3848899	23.02.2017
(54) METHOD AND DEVICE FOR	(21) EP20151023.7	(22) 17.08.2016
IDENTIFYING RISK OF SERVICE TO	(47) 25.01.2023	(54) VIRTUAL AND AUGMENTED REALITY
BE PROCESSED AND ELECTRONIC	(22) 09.01.2020	SYSTEMS AND METHODS
DEVICE	(54) TECHNIQUE OF DETERMINING	(73) Magic Leap, Inc.
(73) Advanced New Technologies Co., Ltd.	A POSE OF A SURGICAL	(72) RODRIGUEZ, Jose Felix
(72) LU, Yicheng	REGISTRATION DEVICE	PEREZ, Ricardo Martinez
CHEN, Tao	(73) Stryker European Operations Limited	(31) 201562206765 P
ZHAO, Wenbiao	(72) KÄSEBERG, Marc, Dr.	(32) 18.08.2015
(31) 201710452172	ÖZBEK, Christopher, Dr.	(33) United States of America
(32) 15.06.2017	KASTROP, Markus	(51) G06V 20/40
(33) China	WINNE, Christian, Dr.	G06F 16/483
(51) G06Q 10/08	(51) G06T 11/60	G06F 16/783
G06Q 10/06	G16B 45/00	H04N 21/231
(11) EP3472771	(11) EP3345161	H04N 21/234
(21) EP17733319.2	(21) EP16757236.1	H04N 21/81
(47) 25.01.2023	(47) 25.01.2023	H04N 21/8352
(87) US2017037913	(87) EP2016070105	H04N 21/845
21.12.2017	09.03.2017	(11) EP3844967
(22) 16.06.2017	(22) 25.08.2016	(21) EP19805027.0
	(54) IMAGE PROCESSING SYSTEMS	(47) 25.01.2023
	AND METHODS FOR DISPLAYING	(87) US2019058175

29.04.2021	(33) United States of America	(54) VALIDATION OF DAMAGED
(22) 25.10.2019	(51) G07C 5/08	BANKNOTES
(54) FRAME-ACCURATE AUTOMATED	G06Q 50/02	(73) NCR Corporation
CUTTING OF MEDIA CONTENT BY	G07C 5/00	(72) MIAO, YunQian
USING MULTIPLE AIRINGS	(11) EP3054409	ROSS, Gary
(73) Google LLC	(21) EP14849658.1	(31) 201715444248
(72) OZTASKENT, Ant	(47) 25.01.2023	(32) 27.02.2017
VOLOVICH, Yaroslav	(87) JP2014074237	(33) United States of America
(51) G06V 20/62	02.04.2015	(51) G08B 13/196
G06T 7/277	(22) 12.09.2014	(11) EP3839910
G06T 7/38	(54) DATA COLLECTION DEVICE	(21) EP19217997.6
(11) EP3032463	(73) Kubota Corporation	(47) 25.01.2023
(21) EP15198436.6	(72) MIURA Keisuke	(22) 19.12.2019
(47) 25.01.2023	TANAKA Isao	(54) PRIORITIZATION AMONG CAMERAS
(22) 08.12.2015	SAKAGUCHI Kazuo	OF A MULTI-CAMERA ARRANGEMENT
(54) METHOD AND DEVICE FOR	HAYAKAWA Yoshito	(73) Axis AB
TRACKING CHARACTERS ON A	MORISHITA Takafumi	(72) KESKIKANGAS, Axel
PLURALITY OF IMAGES OF A VIDEO	(31) 2013240003	HARTZELL, Ted
STREAM OF A TEXT	2013203165	FARZONE, Mazdak
(73) Idemia Identity & Security France	(32) 20.11.2013	(51) G08B 21/22
(72) BEAUDET, Jean	30.09.2013	G01S 19/42
ROUH, Alain	(33) Japan	(11) EP3610297
(31) 1462021	Japan	(21) EP18780438.0
(32) 08.12.2014	(51) G07C 9/28	(47) 25.01.2023
(33) France	G06Q 10/08	(87) IL2018050376
(51) G06V 40/13	G07C 9/10	11.10.2018
(11) EP3731137	G07C 9/29	(22) 29.03.2018
(21) EP19888253.2	G06K 7/10	(54) RULE DEVIATION CONFIGURATION
(47) 25.01.2023	G07C 9/25	FOR OFFENDER MONITORING
(87) CN2019074619	G07C 9/00	DEVICES
06.08.2020	(11) EP3367343	(73) Attenti Electronic Monitoring LTD.
(22) 02.02.2019	(21) EP17211141.1	(72) SEGAL, David Solomon
(54) FINGERPRINT RECOGNITION	(47) 25.01.2023	(31) 201762483225 P
APPARATUS AND ELECTRONIC	(22) 29.12.2017	(32) 07.04.2017
DEVICE	(54) DEVICE AND METHOD FOR	(33) United States of America
(73) SHENZHEN GOODIX TECHNOLOGY	PORTFOLIO MONITORING	(51) G08C 17/02
CO., LTD.	(73) KEMAS Gesellschaft für Elektronik,	E02F 9/20
(72) DU, Canhong	Elektromechanik, Mechanik und Systeme	B60W 30/00
(51) G06V 40/50	mbH	G05D 1/00
(11) EP3460717	(72) Silvio, Uhlig	(11) EP3944209
(21) EP18196083.2	Hans-Jürgen, Grämer	(21) EP21183580.6
(47) 25.01.2023	Ulrich, Waloszyk	(47) 25.01.2023
(22) 21.09.2018	(31) 202017100982 U	(22) 03.07.2021
(54) METHOD, APPARATUS, TERMINAL,	(32) 22.02.2017	(54) RETROFIT REMOTE CONTROL
AND COMPUTER-READABLE	(33) Germany	SYSTEM FOR A MACHINE
STORAGE MEDIUM FOR	(51) G07D 1/00	(73) Caterpillar Inc.
PROCESSING FINGERPRINTS	G07D 9/00	(72) Kandula, Suneel
(73) Beijing Xiaomi Mobile Software Co., Ltd.	G07D 9/06	Varghese, Ashish
(72) HUANG, Xuebin	G07D 11/00	Gundlapalli, Sai
(31) 201710866372	G07D 11/12	Nelson, Anthony
(32) 22.09.2017	G07D 11/18	Pilgrim, Martin
(33) China	G07D 11/14	(31) 202011031868
(51) G07C 3/00	(11) EP3866125	(32) 24.07.2020
E05B 47/00	(21) EP20156962.1	(33) India
(11) EP3469557	(47) 25.01.2023	(51) G10K 11/178
(21) EP17757932.3	(22) 12.02.2020	(11) EP3451327
(47) 25.01.2023	(54) A CASH PACKAGING APPARATUS	(21) EP17189001.5
(87) US2017044674	(73) SCAN COIN AB	(47) 25.01.2023
15.02.2018	(72) Davidsson, Jonas	(22) 01.09.2017
(22) 31.07.2017	Vilén, Robert	(54) NOISE CANCELLATION SYSTEM,
(54) TRIGGERING TRANSITION OF A	(51) G07D 7/20	NOISE CANCELLATION HEADPHONE
DEVICE BETWEEN STATES	G07D 7/12	AND NOISE CANCELLATION METHOD
(73) BlackBerry Limited	G06Q 30/00	(73) ams AG
(72) CHENNAKESHU, Sandeep	(11) EP3367347	(72) McCutcheon, Peter
BENNETT, Jesse William	(21) EP18156856.9	Alcock, Robert
DILL, Scott Leonard	(47) 25.01.2023	(51) G10K 11/178
(31) 201615231456	(22) 15.02.2018	(11) EP3353773
(32) 08.08.2016		

(21) EP16760017.0	(87) US2019029768	BOUTHÉON, Alexandre
(47) 25.01.2023	14.11.2019	EICHENSEER, Andrea
(87) EP2016070030	(22) 30.04.2019	BAYER, Stefan
30.03.2017	(54) SPEAKER RECOGNITION/LOCATION	(31) 18211064
(22) 25.08.2016	USING NEURAL NETWORK	(32) 07.12.2018
(54) NOISE AND VIBRATION SENSING	(73) Microsoft Technology Licensing, LLC	(33) European Patent Office (EPO)
(73) Harman Becker Automotive Systems GmbH	(72) ZHANG, Shixiong	(51) G11C 11/56
(72) PFAFFINGER, Gerhard	XIAO, Xiong	G11C 17/16
(31) 15186882	(31) 201816006405	G11C 17/18
(32) 25.09.2015	201862668125 P	G11C 13/00
(33) European Patent Office (EPO)	(32) 12.06.2018	(11) EP3910636
(51) G10K 11/178	07.05.2018	(21) EP20196223.0
(11) EP3850618	(33) United States of America	(47) 25.01.2023
(21) EP18769357.7	United States of America	(22) 15.09.2020
(47) 25.01.2023	(51) G10L 19/008	(54) NON-VOLATILE MEMORY WITH
(87) EP2018074686	H04S 3/00	MULTI-LEVEL CELL ARRAY AND
19.03.2020	(11) EP3891734	ASSOCIATED READ CONTROL
(22) 13.09.2018	(21) EP19813054.4	METHOD
(54) SILENT ZONE GENERATION	(47) 25.01.2023	(73) eMemory Technology Inc.
(73) Harman Becker Automotive Systems GmbH	(87) EP2019084053	(72) CHANG, Chia-Fu
(72) ZAFEIROPOULOS, Nikos	11.06.2020	KU, Wei-Ming
STAMATIOS, Koukias	(22) 06.12.2019	LIAO, Hung-Yi
(51) G10K 11/178	(54) APPARATUS, METHOD AND	(31) 109115665
H04R 1/10	COMPUTER PROGRAM FOR	(32) 12.05.2020
H04R 1/28	ENCODING, DECODING, SCENE	(33) Taiwan, Chinese Taipei
(11) EP3750325	PROCESSING AND OTHER	(51) G16B 30/00
(21) EP19837932.3	PROCEDURES RELATED TO DIRAC	C12Q 1/6869
(47) 25.01.2023	BASED SPATIAL AUDIO CODING	(11) EP3295345
(87) KR2019008382	USING DIFFUSE COMPENSATION	(21) EP16726709.5
23.01.2020	(73) Fraunhofer-Gesellschaft zur Förderung	(47) 25.01.2023
(22) 08.07.2019	der angewandten Forschung e.V.	(87) US2016032442
(54) METHOD AND APPARATUS FOR	(72) FUCHS, Guillaume	17.11.2016
PROCESSING AUDIO SIGNAL	THIERGART, Oliver	(22) 13.05.2016
(73) Samsung Electronics Co., Ltd.	KORSE, Srikanth	(54) BARCODE SEQUENCES, AND
(72) PARK, Jinho	DÖHLA, Stefan	RELATED SYSTEMS AND METHODS
SEO, Guiwon	MULTRUS, Markus	(73) Life Technologies Corporation
LEE, Jonghwa	KÜCH, Fabian	(72) KOLLER, Christian
JEONG, Hyeoncheol	BOUTHÉON, Alexandre	ALLEN, Michael D.
CHO, Sungwon	EICHENSEER, Andrea	(31) 201562161309 P
(31) 20180083141	BAYER, Stefan	(32) 14.05.2015
(32) 17.07.2018	(31) 18211064	(33) United States of America
(33) Korea (Republic)	(32) 07.12.2018	(51) G16H 30/40
(51) G10L 17/04	(33) European Patent Office (EPO)	G06F 16/58
G10L 15/02	(51) G10L 19/008	G06T 7/00
G10L 17/24	H04S 3/00	(11) EP3460688
(11) EP3392880	(11) EP3891736	(21) EP18204104.6
(21) EP18175789.9	(21) EP19813056.9	(47) 25.01.2023
(47) 25.01.2023	(47) 25.01.2023	(22) 28.08.2014
(22) 27.03.2015	(87) EP2019084056	(54) SYSTEMS AND METHODS FOR
(54) SPEAKER VERIFICATION USING	11.06.2020	CONTROLLING USER REPEATABILITY
DYNAMICALLY GENERATED	(22) 06.12.2019	AND REPRODUCIBILITY OF
PHRASES	(54) APPARATUS, METHOD AND	AUTOMATED IMAGE ANNOTATION
(73) Google LLC	COMPUTER PROGRAM FOR	CORRECTION
(72) ROBLEK, Dominik	ENCODING, DECODING, SCENE	(73) Heartflow, Inc.
SHARIFI, Matthew	PROCESSING AND OTHER	(72) GRADY, Leo
(31) 201414447115	PROCEDURES RELATED TO DIRAC	SCHAAP, Michiel
201414242098	BASED SPATIAL AUDIO CODING	(31) 201361882512 P
(32) 30.07.2014	USING LOW-ORDER, MID-ORDER	(32) 25.09.2013
01.04.2014	AND HIGH-ORDER COMPONENTS	(33) United States of America
(33) United States of America	GENERATORS	(51) G16H 40/63
United States of America	(73) Fraunhofer-Gesellschaft zur Förderung	A61B 34/20
(51) G10L 17/18	der angewandten Forschung e.V.	(11) EP3404664
G01N 21/898	(72) FUCHS, Guillaume	(21) EP18172555.7
(11) EP3791393	THIERGART, Oliver	(47) 25.01.2023
(21) EP19723576.5	KORSE, Srikanth	(22) 16.05.2018
(47) 25.01.2023	DÖHLA, Stefan	(54) SYSTEMS AND METHODS OF
	MULTRUS, Markus	TRACKING AND ANALYZING USE OF
	KÜCH, Fabian	MEDICAL INSTRUMENTS

(73) Covidien LP	PLANT, David Franklin	(32) 28.04.2017
(72) FRUSHOUR, Scott, E.M.	BOUCHAL, Robert Vlastimil	(33) United States of America
DOW, Ansel, H.	TYLER, Troy Nickolas	(51) H01B 7/04
(31) 201715597708	SUPONITSKY, Victoria	H01B 9/00
(32) 17.05.2017	DELAGE, Michael Harcourt	H01B 7/18
(33) United States of America	LABERGE, Michel Georges	H01B 7/42
(51) G16H 50/50	(31) 201762532819 P	B63J 3/04
A61B 5/026	201762492776 P	(11) EP3910650
(11) EP2975545	(32) 14.07.2017	(21) EP20173810.1
(21) EP15178021.0	01.05.2017	(47) 25.01.2023
(47) 25.01.2023	(33) United States of America	(22) 11.05.2020
(22) 29.07.2011	United States of America	(54) SYSTEM FOR SUPPLYING SHORE-TO-SHIP ELECTRICAL POWER TO SHIPS DOCKED IN PORT
(54) METHOD AND SYSTEM FOR PATIENT-SPECIFIC MODELING OF BLOOD FLOW	(51) G21C 19/307	(73) Lapp Engineering AG
(73) Heartflow, Inc.	G21C 15/18	(72) Besio, Jacques
(72) TAYLOR, Charles, A.	B01D 29/15	(51) H01B 9/02
FONTE, Timothy, A.	B01D 29/52	H01B 3/20
CHOI, Gilwoo	B01D 21/02	H01B 7/02
BAI, Ying	(11) EP3646341	H01B 7/22
ZARINS, Christopher, K.	(21) EP17840602.1	H01B 3/30
(31) 201113013561	(47) 25.01.2023	(11) EP3605561
404429 P	(87) RU2017000471	(21) EP17902843.6
402345 P	03.01.2019	(47) 25.01.2023
402308 P	(22) 30.06.2017	(87) KR2017003572
401915 P	(54) VVER EMERGENCY COOLING SYSTEM SUMP PROTECTION DEVICE	04.10.2018
401462 P	(73) Joint-Stock Company Scientific Research and Design Institute for Energy Technologies Atomproekt	(22) 31.03.2017
(32) 25.01.2011	Joint Stock Company "Science and Innovations"	(54) POWER CABLE
01.10.2010	(72) BEZLEPKIN, Vladimir Viktorovich	(73) LS Cable & System Ltd.
27.08.2010	KURCHEVSKY, Alexey Ivanovich	(72) GWAG, Jae-Cheol
26.08.2010	KUKHTEVICH, Vladimir Olegovich	(31) 20170041078
20.08.2010	MATYUSHEV, Leonid Aleksandrovich	(32) 30.03.2017
12.08.2010	MITRYUKHIN, Andrey Gennad'evich	(33) Korea (Republic)
(33) United States of America	(51) G21F 9/30	(51) H01C 10/06
United States of America	(11) EP3911472	H01C 10/14
United States of America	(21) EP19832105.1	H01C 17/22
United States of America	(47) 25.01.2023	(11) EP3401932
United States of America	(87) EP2019086566	(21) EP17170814.2
United States of America	23.07.2020	(47) 25.01.2023
(51) G21B 1/05	(22) 20.12.2019	(22) 12.05.2017
G21B 1/13	(54) METHOD AND DEVICE FOR PROCESSING A CONTAMINATED WORKPIECE	(54) AN ELECTRIC CIRCUIT FOR TRIMMING A RESISTANCE OF A RESISTOR
(11) EP3815111	(73) RWE Nuclear GmbH	(73) ams AG
(21) EP19734484.9	(72) GRIFFEL, Stefan	(72) Colombo, Matteo
(47) 25.01.2023	HARLACHER, Stephan	Paglino, Lorenzo
(87) GB2019051760	(31) 102019101095	(51) H01F 1/18
02.01.2020	(32) 16.01.2019	B05D 7/00
(22) 21.06.2019	(33) Germany	B05D 5/10
(54) DOUBLE NULL LIQUID METAL DIVERTORS	(51) G21K 1/02	B05D 5/12
(73) Tokamak Energy Ltd	B29C 45/14	B05D 1/28
(72) BUXTON, Peter	B29K 71/00	B05D 3/02
IBANEZ, Daniel Iglesias	B29K 101/10	C21D 8/12
(31) 201810512	B29K 705/00	(11) EP3596239
(32) 27.06.2018	(11) EP3396678	(21) EP18712186.8
(33) United Kingdom	(21) EP17178688.2	(47) 25.01.2023
(51) G21B 1/11	(47) 25.01.2023	(87) EP2018056734
H05H 1/24	(22) 29.06.2017	20.09.2018
G21B 1/00	(54) METHOD FOR MAKING ANTI-SCATTER GRID DEVICE AND RESPECTIVE MOLD	(22) 16.03.2018
(11) EP3620035	(73) Shanghai United Imaging Healthcare Co., Ltd.	(54) PROCESS FOR MANUFACTURING PAINT-COATED ELECTRIC STRIP STEEL, AND PAINT-COATED ELECTRIC STEEL STRIP
(21) EP18795188.4	(72) Sharpless, Ronald	(73) voestalpine Stahl GmbH
(47) 25.01.2023	Kling, Patrick	(72) FLUCH, Ronald
(87) CA2018050457	(31) 201715581089	KEPPERT, Timothy
08.11.2018		(31) 102017204522
(22) 16.04.2018		(32) 17.03.2017
(54) SYSTEMS FOR FORMING A LIQUID LINER OF A CAVITY		
(73) General Fusion Inc.		
(72) ZIMMERMANN, Joerg		

(33) Germany	(72) GASCHER, Alain	15.03.2010
(51) H01F 7/02	(31) 1872034	(33) Japan
H01F 10/12	(32) 29.11.2018	Japan
H01F 41/16	(33) France	
G02B 26/08	(51) H01H 13/16	(51) H01H 85/30
B81B 5/00	B61L 15/00	H01H 85/02
(11) EP3899992	B61D 19/02	(11) EP3844792
(21) EP19836494.5	(11) EP3584139	(21) EP19829139.5
(47) 25.01.2023	(21) EP19275076.8	(47) 25.01.2023
(87) EP2019086755	(47) 25.01.2023	(87) EP2019085958
25.06.2020	(22) 06.06.2019	25.06.2020
(22) 20.12.2019	(54) DETECTOR	(22) 18.12.2019
(54) MEMS SYSTEM	(73) Hitachi Metals, Ltd.	(54) FUSE HAVING AN INTEGRATED MEASURING FUNCTION
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	(72) AKIMOTO, Katsuya	(73) Siemens Aktiengesellschaft
(72) NIEKIEL, Malte Florian	SUZUKI, Shuichi	(72) HÜTTINGER, Robert
LOFINK, Fabian	KAWASE, Kenji	MARTEL, Jean-Mary
LISEC, Thomas	(31) 2018115731	(31) 102018222552
(31) 102018222845	(32) 19.06.2018	(32) 20.12.2018
(32) 21.12.2018	(33) Japan	(33) Germany
(33) Germany	(51) H01H 33/915	(51) H01J 5/02
(51) H01F 17/00	H01H 33/91	G05F 3/04
H01F 17/04	H01H 33/70	H01H 33/59
H02M 3/158	H01H 33/90	(11) EP3123493
H02M 3/335	(11) EP3125265	(21) EP15767921.8
H01F 27/29	(21) EP15769921.6	(47) 25.01.2023
(11) EP3493227	(47) 25.01.2023	(87) US2015017979
(21) EP17846323.8	(87) JP2015054620	01.10.2015
(47) 25.01.2023	01.10.2015	(22) 27.02.2015
(87) JP2017030482	(22) 19.02.2015	(54) IMPROVING POWER FACTOR IN AC POWER SYSTEM
08.03.2018	(54) GAS CIRCUIT-BREAKER	(73) Advanced Fusion Systems LLC
(22) 25.08.2017	(73) Kabushiki Kaisha Toshiba	(72) BIRNBACH, Curtis A.
(54) INDUCTOR COMPONENT AND POWER SUPPLY MODULE	(72) UCHII, Toshiyuki	(31) 201414223578
(73) Murata Manufacturing Co., Ltd.	IJIMA, Takanori	(32) 24.03.2014
(72) MIYASHITA, Munetake	KATO, Norimitsu	(33) United States of America
TANGE, Takayuki	FURUTA, Hiroshi	
HASHI, Hideaki	ISHII, Takato	(51) H01J 35/02
(31) 2016171464	MORI, Tadashi	H05G 1/52
(32) 02.09.2016	(31) 2014062590	(11) EP3900007
(33) Japan	(32) 25.03.2014	(21) EP19818123.2
(51) H01F 27/22	(33) Japan	(47) 25.01.2023
H01F 27/06	(51) H01H 50/44	(87) EP2019085559
H01F 27/02	H01H 50/36	25.06.2020
H05K 1/02	H01H 1/66	(22) 17.12.2019
H05K 1/14	H01H 50/00	(54) ELECTRON COLLECTOR WITH OBLIQUE IMPACT PORTION
(11) EP3533303	H01H 50/54	(73) Excillum AB
(21) EP16920196.9	H01H 51/06	(72) TUOHIMAA, Tomi
(47) 25.01.2023	H01H 51/00	LUNDSTRÖM, Ulf
(87) CN2016103234	H01H 50/40	HANSSON, Björn
03.05.2018	H01H 1/36	(31) 18214663
(22) 25.10.2016	H01H 9/44	(32) 20.12.2018
(54) POWER MODULE	H01H 50/60	(33) European Patent Office (EPO)
(73) Telefonaktiebolaget LM Ericsson (PUBL)	H01H 50/02	
(72) MA, Tai	H01H 50/04	(51) H01J 37/04
LI, Peihua	(11) EP2549510	H01J 37/26
(51) H01F 27/38	(21) EP11756241.3	(11) EP3889992
H01F 27/40	(47) 25.01.2023	(21) EP21164757.3
H02M 3/337	(87) JP2011055936	(47) 25.01.2023
(11) EP3888106	22.09.2011	(22) 25.03.2021
(21) EP19801919.2	(22) 14.03.2011	(54) ELECTRON DIFFRACTION HOLOGRAPHY
(47) 25.01.2023	(54) CONTACT SWITCHING DEVICE	(73) FEI Company
(87) EP2019081804	(73) Omron Corporation	(72) Henstra, Alexander
04.06.2020	(72) YANO, Keisuke	Deng, Yuchen
(22) 19.11.2019	HASHIMOTO, Ryuichi	Kohr, Holger
(54) ELECTROMAGNETIC STRUCTURE FOR RESONANT CONVERTER	HAYASHIDA, Yasuo	(31) 202016835129
(73) Renault s.a.s	MORI, Shingo	(32) 30.03.2020
	(31) 2010058009	(33) United States of America
	2010058010	
	(32) 15.03.2010	

(51) H01J 37/32 H04B 5/00 (11) EP3631836 (21) EP18805728.5 (47) 25.01.2023 (87) US2018028595 29.11.2018 (22) 20.04.2018 (54) PIECEWISE RF POWER SYSTEMS AND METHODS FOR SUPPLYING PRE-DISTORTED RF BIAS VOLTAGE SIGNALS TO AN ELECTRODE IN A PROCESSING CHAMBER (73) MKS Instruments, Inc. (72) LUU, Ky RADOMSKI, Aaron (31) 201715605055 (32) 25.05.2017 (33) United States of America	(54) SEMICONDUCTOR DEVICE AND METHOD OF TESTING SEMICONDUCTOR DEVICE (73) FUJITSU LIMITED (72) OSHIYAMA, Gen SHIKIBU, Takahiro MORIYAMA, Osamu (31) 2014243967 (32) 02.12.2014 (33) Japan	H01L 25/07 H01L 23/433 H01L 23/473 (11) EP3474320 (21) EP18197397.5 (47) 25.01.2023 (22) 28.09.2018 (54) A PACKAGE INCLUDING MULTIPLE SEMICONDUCTOR DEVICES (73) Semiconductor Components Industries, LLC (72) TEYSSEYRE, Jerome ESTACIO, Maria Cristina IM, Seungwon (31) 201715789254 (32) 20.10.2017 (33) United States of America
(51) H01L 21/027 G02B 26/08 G03F 7/20 G02F 1/29 (11) EP2806451 (21) EP12865561.0 (47) 25.01.2023 (87) JP2012083753 25.07.2013 (22) 26.12.2012 (54) DRIVE METHOD FOR SPATIAL LIGHT MODULATOR, METHOD FOR GENERATING PATTERN FOR EXPOSURE, AND EXPOSURE METHOD AND DEVICE (73) Nikon Corporation (72) OWA, Soichi WATANABE, Yoji (31) 2012007727 (32) 18.01.2012 (33) Japan	(54) SEMICONDUCTOR WAFER PROCESSING METHODS AND APPARATUS (73) Metryx Limited (72) WILBY, Robert John KIERMASZ, Adrian (31) 201321423 (32) 04.12.2013 (33) United Kingdom	(51) H01L 23/427 H05K 7/20 H05K 1/02 F28F 1/04 F28F 1/02 F28F 1/12 F28F 21/08 F28D 15/02 H01L 23/46 H01L 23/367 (11) EP3542605 (21) EP17872732.7 (47) 25.01.2023 (87) US2017062331 24.05.2018 (22) 17.11.2017 (54) A THERMAL SINK WITH AN EMBEDDED HEAT PIPE (73) Abaco Systems, Inc. (72) ARTIS, Steven (31) 201615355764 (32) 18.11.2016 (33) United States of America
(51) H01L 21/18 H01L 25/00 H01L 21/67 H01L 21/683 (11) EP3510632 (21) EP17723839.1 (47) 25.01.2023 (87) US2017030796 15.03.2018 (22) 03.05.2017 (54) WAFER STACKING TO FORM A MULTI- WAFER-BONDED STRUCTURE (73) Raytheon Company (72) CAHILL, Andrew GETTY, Jonathan LOFGREEN, Daniel, D. DRAKE, Paul, A. (31) 201615258300 (32) 07.09.2016 (33) United States of America	(73) BOE Technology Group Co., Ltd. KA Imaging Inc. (72) JIANG, Feng TIAN, Hui ZHANG, Xiaolong LIN, Chia Chiang (31) 201610119155 (32) 02.03.2016 (33) China	(51) H01L 25/075 H01L 33/38 H01L 33/50 (11) EP3716330 (21) EP20162641.3 (47) 25.01.2023 (22) 12.03.2020 (54) ELECTRONIC DEVICE (73) InnoLux Corporation (72) YAN, Tzu-Min HSIEH, Tsau-Hua (31) 201911110966 201962823052 P (32) 14.11.2019 25.03.2019 (33) China United States of America
(51) H01L 21/66 G01R 31/3185 G01R 31/317 H01L 25/065 (11) EP3029720 (21) EP15196545.6 (47) 25.01.2023 (22) 26.11.2015	(51) H01L 21/78 H01L 21/56 (11) EP3367430 (21) EP18154192.1 (47) 25.01.2023 (22) 30.01.2018 (54) PROCESS OF FABRICATION OF A SEMICONDUCTOR DEVICE WITH SIX- SIDED PROTECTED WALLS (73) NXP B.V. (72) BUENNING, Hartmut (31) 201715440522 (32) 23.02.2017 (33) United States of America	(51) H01L 27/12 (11) EP3557623 (21) EP19166148.7 (47) 25.01.2023 (22) 29.03.2019 (54) DISPLAY APPARATUS (73) Samsung Display Co., Ltd. (72) KIM, Kiwook KANG, Chulkyu KWAK, Wonkyu KIM, Kwangmin

MOON, Joongwoo	(72) CHARLES, Matthew	(54) STACKED III-V POWER
(31) 20180036609	(31) 1872366	SEMICONDUCTOR DIODE WITH HIGH
(32) 29.03.2018	(32) 05.12.2018	BLOCKING VOLTAGE
(33) Korea (Republic)	(33) France	(73) AZUR SPACE Solar Power GmbH
(51) H01L 27/146	(51) H01L 27/22	(72) Fuhrmann, Daniel
(11) EP3731272	H01L 43/12	Keller, Gregor
(21) EP18891042.6	(11) EP3900043	Wächter, Clemens
(47) 25.01.2023	(21) EP19832684.5	(31) 102019003069
(87) CN2018121812	(47) 25.01.2023	(32) 30.04.2019
27.06.2019	(87) EP2019086677	(33) Germany
(22) 18.12.2018	25.06.2020	(51) H01L 31/0392
(54) PHOTSENSITIVE ASSEMBLY,	(22) 20.12.2019	H01L 33/32
PHOTOGRAPHING MODULE,	(54) PROCESS FOR FABRICATING A	C30B 9/12
AND PHOTSENSITIVE	SPINTRONIC DEVICE INCLUDING A	C30B 19/02
ASSEMBLY JOINTED BOARD AND	THICK ACTIVE MAGNETIC LAYER	C30B 19/12
CORRESPONDING MANUFACTURING	(73) Commissariat à l'Energie Atomique et	C30B 28/04
METHOD THEREOF	aux Energies Alternatives	C30B 29/40
(73) Ningbo Sunny Optotech Co., Ltd.	Centre National de la Recherche	C30B 29/60
(72) TANAKA, Takehiko	Scientifique - CNRS	(11) EP3421648
ZHAO, Bojie	(72) DIENY, Bernard	(21) EP17756243.6
WU, Ye	PREJBEANU, Ioan-lucian	(47) 25.01.2023
MEI, Zhewen	(31) 1873730	(87) JP2017004891
WANG, Mingzhu	(32) 21.12.2018	31.08.2017
(31) 201721782486 U	(33) France	(22) 10.02.2017
201711378319	(51) H01L 29/417	(54) POLYCRYSTALLINE GALLIUM NITRIDE
(32) 19.12.2017	H01L 29/78	SELF-SUPPORTED SUBSTRATE AND
19.12.2017	H01L 27/11	LIGHT EMITTING ELEMENT USING
(33) China	(11) EP2725620	THE SAME
China	(21) EP13185519.9	(73) NGK Insulators, Ltd.
(51) H01L 27/146	(47) 25.01.2023	(72) WATANABE, Morimichi
H04N 5/3745	(22) 23.09.2013	SATO, Kei
H04N 17/00	(54) Field effect transistor and related devices	KURAOKA, Yoshitaka
H04N 5/378	(73) Samsung Electronics Co., Ltd	IMAI, Katsuhiko
H04N 5/374	(72) Song, Tae Joong	NANATAKI, Tsutomu
(11) EP3591967	Kim, Gyu Hong	(31) 2016139508
(21) EP19184337.4	Park, Jae Ho	2016034006
(47) 25.01.2023	Jung, Jong Hoon	PCT/JP2016/078267
(22) 04.07.2019	(31) 20120107381	PCT/JP2016/078265
(54) IMAGE SENSORS FOR ADVANCED	(32) 26.09.2012	PCT/JP2016/078264
DRIVER ASSISTANCE SYSTEMS	(33) Korea (Republic)	(32) 14.07.2016
UTILIZING SAFETY PIXELS TO	(51) H01L 29/737	25.02.2016
DETECT MALFUNCTIONS	H01L 29/06	26.09.2016
(73) STMicroelectronics (Grenoble 2) SAS	H01L 29/205	26.09.2016
STMicroelectronics Asia Pacific Pte Ltd.	H01L 29/08	26.09.2016
(72) CHUA, Lookah	H01L 29/04	(33) Japan
DUEY, Jansen Reyes	H01L 21/331	Japan
LULE, Tarek	(11) EP3671856	World Intellectual Property Office (WIPO)
THIVIN, Mathieu	(21) EP18215592.9	World Intellectual Property Office (WIPO)
(31) 201916502483	(47) 25.01.2023	World Intellectual Property Office (WIPO)
201862694526 P	(22) 21.12.2018	(51) H01L 31/0687
(32) 03.07.2019	(54) A METHOD FOR FORMING A GROUP	H01L 31/041
06.07.2018	III-V HETEROJUNCTION BIPOLAR	H01L 31/0304
(33) United States of America	TRANSISTOR ON A GROUP IV	H01L 31/054
United States of America	SUBSTRATE AND CORRESPONDING	(11) EP2960950
(51) H01L 27/15	HETEROJUNCTION BIPOLAR	(21) EP14002189.0
H01L 33/00	TRANSISTOR DEVICE	(47) 25.01.2023
(11) EP3891813	(73) IMEC vzw	(22) 26.06.2014
(21) EP19839354.8	(72) DESHPANDE, Veeresh Vidyadhar	(54) MULTIPLE SOLAR CELL
(47) 25.01.2023	PARVAIS, Bertrand	(73) AZUR SPACE Solar Power GmbH
(87) FR2019052907	(51) H01L 29/861	(72) GUTER, Wolfgang
11.06.2020	H01L 29/04	MEUSEL, Matthias
(22) 03.12.2019	H01L 29/205	DIMROTH, Frank
(54) MULTICOLOUR	H01L 29/267	LACKNER, David
ELECTROLUMINESCENT DISPLAY	(11) EP3734667	(51) H01L 51/44
DEVICE AND METHOD OF	(21) EP20000143.6	H01G 9/20
MANUFACTURING THE SAME	(47) 25.01.2023	(11) EP3333920
(73) Commissariat à l'Energie Atomique et	(22) 06.04.2020	(21) EP17205118.7
aux Energies Alternatives		(47) 25.01.2023

(22) 04.12.2017	APPARATUS CONTAINING THE	(54) LITHIUM ION BATTERY NON-
(54) PHOTOVOLTAIC CELL PROVIDED	SECONDARY BATTERY	AQUEOUS ELECTROLYTE AND
WITH A COMPOSITE N-LAYER	(73) Contemporary Amperex Technology Co.,	LITHIUM ION BATTERY
(73) Commissariat à l'Energie Atomique et	Limited	(73) Shenzhen Capchem Technology Co., Ltd
aux Energies Alternatives	(72) MA, Jianjun	(72) SHI, Qiao
(72) MANCEAU, Matthieu	SHEN, Rui	ZENG, Chang'an
(31) 1662285	HE, Libing	LIN, Muchong
(32) 12.12.2016	(51) H01M 4/525	(31) 201710297451
(33) France	H01M 4/36	(32) 28.04.2017
(51) H01L 51/50	H01M 4/40	(33) China
H01S 5/36	H01M 4/48	(51) H01M 10/6553
C09K 11/06	H01M 4/485	H01M 10/6595
C07D 487/14	H01M 4/505	H01M 10/6556
C07D 405/04	H01M 4/58	H01M 10/6568
C07D 251/24	H01M 4/587	H01M 10/6557
C07D 491/147	H01M 10/052	H01M 10/6552
C07D 209/86	H01M 10/054	H01M 10/667
C07D 213/24	H01M 10/0562	H01M 10/6554
C07D 213/79	H01M 4/62	H01M 10/66
H01S 5/04	H01M 10/0525	H01M 10/659
(11) EP3171421	(11) EP3503270	H01M 10/42
(21) EP15822630.8	(21) EP17843517.8	(11) EP3435476
(47) 25.01.2023	(47) 25.01.2023	(21) EP17183042.5
(87) JP2015070510	(87) JP2017029731	(47) 25.01.2023
21.01.2016	01.03.2018	(22) 25.07.2017
(22) 17.07.2015	(22) 21.08.2017	(54) BATTERY WITH A FLEXIBLE THIN FILM
(54) ORGANIC LIGHT-EMITTING ELEMENT	(54) COMPOSITE POSITIVE ELECTRODE	AND A COOLING DEVICE, THIN FILM
(73) Kyushu University, National University	ACTIVE MATERIAL FOR ALL-SOLID-	AND METHOD OF MANUFACTURING A
Corporation	STATE SECONDARY BATTERY,	BATTERY
KOALA Tech Inc.	METHOD FOR MANUFACTURING	(73) Airbus Defence and Space GmbH
(72) NAKANOTANI, Hajime	SAME, POSITIVE ELECTRODE, AND	Airbus Operations GmbH
FURUKAWA, Taro	ALL-SOLID-STATE SECONDARY	(72) Friedberger, Alois
ADACHI, Chihaya	BATTERY	Linde, Peter
(31) 2014148182	(73) Osaka Prefecture University Public	(51) H01M 50/202
(32) 18.07.2014	Corporation	H01M 50/107
(33) Japan	(72) WATANO, Satoru	H01M 50/20
(51) H01L 51/54	NAKAMURA, Hideya	H01M 50/213
(11) EP3523834	(31) 2016162003	H01M 50/342
(21) EP17787893.1	(32) 22.08.2016	H01M 50/30
(47) 25.01.2023	(33) Japan	H05K 5/02
(87) EP2017075437	(51) H01M 8/18	H01M 50/296
19.04.2018	(11) EP3900094	(11) EP3333934
(22) 06.10.2017	(21) EP19828730.2	(21) EP16859438.0
(54) ELECTRONIC DEVICE	(47) 25.01.2023	(47) 25.01.2023
(73) Merck Patent GmbH	(87) EP2019086203	(87) JP2016077626
(72) VOGES, Frank	25.06.2020	04.05.2017
MUJICA-FERNAUD, Teresa	(22) 19.12.2019	(22) 20.09.2016
MONTENEGRO, Elvira	(54) REDOX-FLOW BATTERY FOR	(54) ELECTRIC DEVICE CASE AND
EBERLE, Thomas	ENERGY STORAGE	BATTERY PACK PROVIDED WITH
(31) 16193116	(73) Fundación Imdea Energía	SAME
(32) 10.10.2016	(72) VENTOSA, Edgar	(73) Murata Manufacturing Co., Ltd.
(33) European Patent Office (EPO)	PAEZ, Teresa	(72) NAKAMURA, Tsuyoshi
(51) H01M 4/133	PALMA, Jesús	SUGIYAMA, Masaaki
H01M 4/587	(31) 18382971	(31) 2015212390
H01M 4/04	(32) 21.12.2018	(32) 28.10.2015
H01M 4/36	(33) European Patent Office (EPO)	(33) Japan
H01M 4/1393	(51) H01M 10/0567	(51) H01M 50/207
H01M 10/0525	H01M 10/0525	H01M 50/247
H01M 4/02	H01M 10/0568	H01M 4/80
H01M 4/525	H01M 10/0569	H01M 50/503
(11) EP3958352	(11) EP3618164	H01M 50/528
(21) EP20932863.2	(21) EP17907082.6	H01M 50/534
(47) 25.01.2023	(47) 25.01.2023	(11) EP3608996
(87) CN2020088299	(87) CN2017089389	(21) EP19190006.7
04.11.2021	01.11.2018	(47) 25.01.2023
(22) 30.04.2020	(22) 21.06.2017	(22) 05.08.2019
(54) SECONDARY BATTERY, PROCESS		(54) FLEXIBLE BATTERIES FOR
FOR PREPARING THE SAME AND		WEARABLE DEVICES

(73) Ningde Amperex Technology Limited	(73) Contemporary Amperex Technology Co., Limited	(22) 04.03.2015
(72) XIAO, Liangzhen	(72) WANG, Peng	(54) ELECTRONIC DEVICE
ZENG, Qiao	CHEN, Xingdi	(73) Huawei Device Co., Ltd.
(31) 201810885472	XIE, Mingdi	(72) LEE, CHIEN-MING
(32) 06.08.2018	ZHOU, Linggang	FENG, Kun
(33) China	SUN, Zhanyu	ZHANG, Xuefei
(51) H01M 50/209	WU, Kai	WANG, Hanyang
H01M 50/242	(31) 201911205560	(31) 201410109571
H01M 50/249	(32) 29.11.2019	(32) 21.03.2014
(11) EP3916824	(33) China	(33) China
(21) EP20866864.0	(51) H01Q 1/12	(51) H01R 4/02
(47) 25.01.2023	H01Q 19/08	H01R 13/00
(87) CN2020104677	G01F 23/284	H01R 11/11
25.03.2021	H01Q 1/22	(11) EP3807955
(22) 25.07.2020	(11) EP3736544	(21) EP19742909.5
(54) BATTERY MODULE, BATTERY PACK, AND VEHICLE	(21) EP19172814.6	(47) 25.01.2023
(73) Contemporary Amperex Technology Co., Limited	(47) 25.01.2023	(87) IB2019054721
(72) DAI, Xiaoshan	(22) 06.05.2019	19.12.2019
XU, Shoujiang	(54) RADAR LEVEL GAUGE WITH SEALING DIELECTRIC FILLING MEMBER AND STRUCTURALLY REINFORCED ELEMENT	(22) 06.06.2019
(31) 201921576323 U	(73) Rosemount Tank Radar AB	(54) ELECTRICAL POWER TERMINAL FOR A CHARGING SYSTEM
(32) 20.09.2019	(72) FREDRIKSSON, Håkan	(73) TE Connectivity Corporation
(33) China	ELMBERG, Peter	(72) LYON, Zachary Wood
(51) H01M 50/403	(51) H01Q 1/22	(31) 201816007356
H01M 50/406	H01Q 1/38	(32) 13.06.2018
H01M 50/431	H01Q 9/04	(33) United States of America
H01M 50/443	(11) EP3444893	(51) H01R 4/02
H01M 50/451	(21) EP18189417.1	H01R 43/02
H01M 50/491	(47) 25.01.2023	B23K 20/02
C01F 7/02	(22) 16.08.2018	B23K 20/24
H01M 4/13	(54) RFID DEVICES AND METHODS OF MAKING THE SAME	H01L 23/00
H01M 4/139	(73) Assa Abloy AB	H05K 3/32
H01M 4/62	(72) SULIGOJ, Eric	H05K 3/40
H01M 10/0566	ENNABLI, Elies	H05K 1/09
(11) EP3424882	KEMARAU, Peter	H05K 3/36
(21) EP18188546.8	(31) 201715679886	B23K 20/233
(47) 25.01.2023	(32) 17.08.2017	B23K 101/38
(22) 05.09.2017	(33) United States of America	B23K 103/12
(54) ALUMINA AND SUSPENSION CONTAINING THE ALUMINA, AND ALUMINA POROUS LAYER HAVING THE SAME, LAMINATED SEPARATOR, NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY, AND METHOD FOR PRODUCING NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY	(51) H01Q 1/32	B82Y 30/00
(73) SUMITOMO CHEMICAL COMPANY, LIMITED	H01Q 1/42	(11) EP3711462
(72) OZAKI, Hirotaka	H01Q 17/00	(21) EP18803408.6
ANDO, Hiroyuki	(11) EP3787108	(47) 25.01.2023
(31) 2017037303	(21) EP20184172.3	(87) EP2018081036
2016221785	(47) 25.01.2023	23.05.2019
(32) 28.02.2017	(22) 06.07.2020	(22) 13.11.2018
14.11.2016	(54) DEVICE FOR A VEHICLE	(54) PROCESS TO JOIN TWO COMPONENTS
(33) Japan	(73) Robert Bosch GmbH	(73) NanoWired GmbH
Japan	(72) Meisel, Daniel Christoph	(72) WICKER, Sarah
(51) H01M 50/50	Nezadal, Martin	(31) 102017126724
(11) EP3926748	Dietz, Eugen	(32) 14.11.2017
(21) EP20894425.6	Frasl, Juergen	(33) Germany
(47) 25.01.2023	Fink, Andreas	(51) H01R 4/18
(87) CN2020131570	Pietsch, Andreas	H01R 43/02
03.06.2021	Heider, Sven	H01R 43/048
(22) 25.11.2020	(31) 102019213170	(11) EP3994767
(54) METHOD FOR PROCESSING FAILED BATTERY UNIT, BATTERY MODULE, BATTERY PACK, AND DEVICE	(32) 30.08.2019	(21) EP20734768.3
	(33) Germany	(47) 25.01.2023
	(51) H01Q 9/42	(87) EP2020068540
	H01Q 1/24	07.01.2021
	H01Q 5/335	(22) 01.07.2020
	H01Q 5/328	(54) ELECTRICAL CONNECTION BETWEEN AN ELECTRIC CONDUCTOR AND A CONTACT ELEMENT, METHOD AND DEVICE FOR ITS MANUFACTURE
	(11) EP3651270	(73) Gebauer & Griller Kabelwerke Gesellschaft m.b.H.
	(21) EP19193428.0	(72) FRÖSCHL, Karl
	(47) 25.01.2023	

(31) 19184264	(72) JETTER, Rolf	(87) EP2016053802
(32) 03.07.2019	BOEMMEL, Christian Otto	01.09.2016
(33) European Patent Office (EPO)	(31) 102012218826	(22) 24.02.2016
(51) H01R 11/00	(32) 16.10.2012	(54) METHOD FOR PRODUCING A DIODE
H01R 4/00	(33) Germany	LASER AND DIODE LASER
H01R 4/36	(51) H01R 39/08	(73) JENOPTIK Laser GmbH
H01R 11/22	H02K 9/28	(72) HÜLSEWEDE, Ralf
H01R 13/00	H02K 13/00	SCHRÖDER, Matthias
H01R 13/645	(11) EP3788682	LOYO-MALDONADO, Valentin
H01R 13/447	(21) EP19746033.0	(31) 102015002176
H01R 9/26	(47) 25.01.2023	(32) 24.02.2015
(11) EP3631903	(87) EP2019069247	(33) Germany
(21) EP18809751.3	30.01.2020	(51) H01S 5/024
(47) 25.01.2023	(22) 17.07.2019	H01S 5/022
(87) US2018035072	(54) SLIP RING, SLIP RING UNIT,	H01S 5/40
06.12.2018	ELECTRIC MACHINE AND WIND	H01S 5/02208
(22) 30.05.2018	TURBINE	(11) EP3809542
(54) ADAPTER FOR SPLICE BLOCK	(73) Flender GmbH	(21) EP19820463.8
OPENINGS	(72) BINDER, Herbert	(47) 25.01.2023
(73) Erico International Corporation	GRUBER, Robert	(87) JP2019023290
(72) BUEHMAN, Erika Lynn	MEMMINGER, Oliver	19.12.2019
ROIS, Steven, D.	SVACH, Roman	(22) 12.06.2019
BIZET, Frederic	(31) 18186108	(54) OPTICAL MODULE UNIT AND LASER
BOCKSTOCE, Thomas	(32) 27.07.2018	DEVICE
(31) 201762512579 P	(33) European Patent Office (EPO)	(73) Fujikura Ltd.
(32) 30.05.2017	(51) H01R 43/16	(72) TAKAHASHI, Yukihiro
(33) United States of America	H01R 4/02	(31) 2018113309
(51) H01R 13/187	H01R 43/02	(32) 14.06.2018
H01R 13/193	H01R 13/03	(33) Japan
H01R 13/05	H01R 13/10	(51) H01S 5/183
H01R 13/11	(11) EP3968473	H01S 5/02
(11) EP3624275	(21) EP21195039.9	H01S 5/024
(21) EP19196214.1	(47) 25.01.2023	H01S 5/065
(47) 25.01.2023	(22) 06.09.2021	H01S 5/20
(22) 09.09.2019	(54) METHOD OF MANUFACTURING	H01S 5/343
(54) CONNECTION TERMINAL	FEMALE TERMINAL	(11) EP3731354
(73) YAZAKI CORPORATION	(73) Yazaki Corporation	(21) EP18891580.5
(72) TANAKA, Yasuhiro	(72) Fujita, Hiroshi	(47) 25.01.2023
KITAGAWA, Hiroki	Mizuno, Hideki	(87) JP2018045490
MACHIDA, Kengo	(31) 2020152543	27.06.2019
(31) 2018172817	(32) 11.09.2020	(22) 11.12.2018
(32) 14.09.2018	(33) Japan	(54) LIGHT-EMITTING ELEMENT
(33) Japan	(51) H01S 3/13	(73) Sony Group Corporation
(51) H01R 13/66	H01S 3/131	(72) HAMAGUCHI, Tatsushi
H01R 13/187	H01S 3/23	MITOMO, Jugo
H01R 103/00	H01S 3/10	KODA, Rintaro
(11) EP3920343	H01S 3/067	(31) 2017245998
(21) EP21176860.1	H01S 3/00	(32) 22.12.2017
(47) 25.01.2023	(11) EP3776760	(33) Japan
(22) 31.05.2021	(21) EP19710236.1	(51) H01S 5/22
(54) CONNECTOR	(47) 25.01.2023	H01S 5/32
(73) Yazaki Corporation	(87) US2019019373	H01S 5/343
(72) YAMANASHI, Daisuke	03.10.2019	H01S 5/20
(31) 2020096589	(22) 25.02.2019	(11) EP3683907
(32) 03.06.2020	(54) LOW NOISE FM FIBER LASER	(21) EP20151869.3
(33) Japan	AMPLIFIER	(47) 25.01.2023
(51) H01R 31/06	(73) Northrop Grumman Systems Corporation	(22) 15.01.2020
H01R 13/73	(72) GOODNO, Gregory, D.	(54) SEMICONDUCTOR LASER ELEMENT
(11) EP2909897	HUANG, Ye	AND METHOD FOR MANUFACTURING
(21) EP13776806.5	ROTHENBERG, Joshua, E.	THE SAME
(47) 25.01.2023	(31) 201815942209	(73) Nichia Corporation
(87) EP2013071481	(32) 30.03.2018	(72) NAKATSU, Yoshitaka
24.04.2014	(33) United States of America	(31) 2019141147
(22) 15.10.2013	(51) H01S 5/022	2019005760
(54) PLUGGABLE ELECTRICAL	H01S 5/40	(32) 31.07.2019
POTENTIAL-DISTRIBUTION FUSE-	(11) EP3262728	17.01.2019
ADAPTER	(21) EP16706579.6	(33) Japan
(73) TE Connectivity Germany GmbH	(47) 25.01.2023	Japan

(51) H01T 19/04	(21) EP16786057.6	B60L 53/14
H01T 23/00	(47) 25.01.2023	B60L 53/30
(11) EP3931923	(87) IB2016052474	B60L 53/31
(21) EP20707611.8	03.11.2016	B60L 53/66
(47) 25.01.2023	(22) 02.05.2016	(11) EP3321123
(87) EP2020055076	(54) POWER SUPPLY CONTROL	(21) EP17201470.6
10.09.2020	(73) Eton Solutions Limited	(47) 25.01.2023
(22) 27.02.2020	(72) CHENG, Ka Wai Eric	(22) 13.11.2017
(54) CASCADE INSERT FOR AN IONISING	LAW, Man Yau	(54) CIRCUIT BREAKER FOR ELECTRIC
BAR AND IONISING BAR HAVING A	NG, Hin Hung	VEHICLE CHARGING
CASCADE INSERT	(31) 15104207	(73) Eaton Intelligent Power Limited
(73) Gema Switzerland GmbH	(32) 30.04.2015	(72) ZHONG, Kevin
(72) MAUCHLE, Felix	(33) Hong Kong	XIONG, Tom
NAGEL, Michael	(51) H02J 7/00	LACEY, Darron Kirby
(31) 102019105231	(11) EP3314718	ZHANG, Sophia
(32) 01.03.2019	(21) EP16732731.1	DU, Lily
(33) Germany	(47) 25.01.2023	(31) 201615350244
(51) H02H 3/24	(87) GB2016051914	(32) 14.11.2016
H02H 3/247	29.12.2016	(33) United States of America
(11) EP3306767	(22) 27.06.2016	(51) H02J 13/00
(21) EP16193106.8	(54) BATTERY BALANCING CIRCUIT	G01R 31/36
(47) 25.01.2023	(73) Lyra Electronics Limited	H01M 10/48
(22) 10.10.2016	(72) JAMES, Peter	H02H 7/18
(54) A CIRCUIT PROTECTION	EVANS, Michael	H02J 7/00
ARRANGEMENT	(31) 201511279	(11) EP3547495
(73) Veoneer Sweden AB	(32) 26.06.2015	(21) EP17873436.4
(72) Jeannard, Jean-Francois	(33) United Kingdom	(47) 25.01.2023
Fouilleul, Antoine	(51) H02J 7/00	(87) JP2017026985
(51) H02J 1/04	A24F 47/00	31.05.2018
H02J 1/12	A24F 9/16	(22) 26.07.2017
H02J 13/00	A24F 15/18	(54) MONITORING SYSTEM AND
H02J 1/06	A24F 40/65	MONITORING METHOD
(11) EP3435507	A24F 40/95	(73) NEC Corporation
(21) EP17189712.7	H01M 10/46	(72) KOSUGI Shinichiro
(47) 25.01.2023	H02J 7/34	HANAFUSA Hiroshi
(22) 06.09.2017	H02J 50/10	TANABE Hideki
(54) A SCALABLE STRUCTURE FOR	(11) EP3484012	MORI Yusuke
CONNECTION OF POWER SUPPLY	(21) EP18199904.6	(31) 2016227621
UNITS	(47) 25.01.2023	(32) 24.11.2016
(73) TDK-LAMBDA LTD	(22) 23.07.2015	(33) Japan
(72) VATARIU, Jakob	(54) RE-CHARGING PACK FOR AN E-	(51) H02J 50/00
GIRSHSON, Arie Lev	CIGARETTE	H02J 7/35
(31) 25367317	(73) Nicoventures Trading Limited	(11) EP3158624
(32) 26.07.2017	(72) SCHENNUM, Steven Michael	(21) EP15723040.0
(33) Israel	McKEON, Thomas Michael	(47) 25.01.2023
(51) H02J 1/14	NETTENSTROM, Matthew Joel	(87) GB2015051374
H02J 7/35	PEART, Justin Banker	23.12.2015
H02J 1/08	(31) 201413124	(22) 11.05.2015
(11) EP3840158	(32) 24.07.2014	(54) HARVESTING POWER FROM
(21) EP20211626.5	(33) United Kingdom	AMBIENT ENERGY FOR AN
(47) 25.01.2023	(51) H02J 7/00	ELECTRONIC DEVICE
(22) 03.12.2020	G01R 19/165	(73) ARM Limited
(54) METHOD FOR LOAD-SHEDDING OF	(11) EP3193424	(72) SAVANTH, Parameshwarappa Anand
OUTPUTS FROM A FACILITY FOR	(21) EP14884733.8	Kumar
PRODUCING ELECTRICAL ENERGY	(47) 25.01.2023	MYERS, James Edward
(73) Sagemcom Energy & Telecom SAS	(87) CN2014093280	FLYNN, David Walter
(72) BOUKHARI, Kevin	11.09.2015	(31) 201410754
TARDY-MARCANTONI, Romain	(22) 08.12.2014	(32) 17.06.2014
(31) 1915111	(54) BATTERY IN-POSITION DETECTION	(33) United Kingdom
(32) 20.12.2019	APPARATUS, METHOD, AND	(51) H02J 50/40
(33) France	CHARGING SYSTEM	H04B 5/00
(51) H02J 4/00	(73) ZTE Corporation	(11) EP3843241
H02H 3/00	(72) HE, Wei	(21) EP20213817.8
H02H 5/12	(31) 201410535834	(47) 25.01.2023
H01R 13/703	(32) 11.10.2014	(22) 14.12.2020
H02J 3/14	(33) China	(54) ELECTRONIC DEVICE
H02J 7/00	(51) H02J 7/02	(73) GUANGDONG OPPO MOBILE
(11) EP3289658	H02J 7/00	TELECOMMUNICATIONS CORP., LTD.

(72) QU, Chunying	AND ASSOCIATED SMART ELECTRIC	(33) Germany
(31) 201911346515	MOTOR	(51) H02M 3/00
(32) 24.12.2019	(73) Safran Electrical & Power	H02M 3/335
(33) China	(72) PORET, Philippe	(11) EP3857696
(51) H02K 3/38	CARTAILLER, Laurent	(21) EP19779857.2
H02K 3/50	DANCHIN, Julie	(47) 25.01.2023
H02K 11/33	CUENOT, Jérémy	(87) EP2019076231
H02K 3/52	BERRY, Olivier	02.04.2020
H02K 5/04	(31) 1872385	(22) 27.09.2019
(11) EP3509195	(32) 05.12.2018	(54) METHOD FOR CONTROLLING A
(21) EP17845929.3	(33) France	SERIES RESONANT CONVERTER
(47) 25.01.2023	(51) H02K 17/16	(73) Karlsruher Institut für Technologie
(87) JP2017026057	(11) EP3895295	(72) HEIDINGER, Michael
08.03.2018	(21) EP19817313.0	HEERING, Wolfgang
(22) 19.07.2017	(47) 25.01.2023	KLING, Rainer
(54) BUS BAR UNIT	(87) EP2019084846	(31) 102018216749
(73) Nissan Motor Co., Ltd.	18.06.2020	(32) 28.09.2018
Tokaikogyo Co., Ltd	(22) 12.12.2019	(33) Germany
(72) KUMAKURA, Susumu	(54) CONDUCTOR BAR AND ASSOCIATED	(51) H02M 3/158
HORINO, Yusuke	ROTOR AND ROTATING ELECTRICAL	(11) EP3871329
OTA, Yosuke	MACHINE	(21) EP19794877.1
(31) 2016167632	(73) GE Energy Power Conversion	(47) 25.01.2023
(32) 30.08.2016	Technology Ltd	(87) EP2019025326
(33) Japan	(72) GALMICHE, Christophe	30.04.2020
(51) H02K 5/24	(31) 1872968	(22) 01.10.2019
(11) EP3900161	(32) 14.12.2018	(54) CONVERTER, DRIVE SYSTEM HAVING
(21) EP19832573.0	(33) France	CONVERTER, AND METHOD FOR
(47) 25.01.2023	(51) H02K 35/00	OPERATING A CONVERTER
(87) EP2019084386	H02K 7/09	(73) SEW-EURODRIVE GmbH & Co. KG
25.06.2020	H02K 7/18	(72) ADAVI, Karamat
(22) 10.12.2019	(11) EP3525329	KESSLER, Christian
(54) DEVICE FOR NOISE INSULATION OF A	(21) EP18156231.5	(31) 102018008315
MACHINE	(47) 25.01.2023	(32) 22.10.2018
(73) Adler Pelzer Holding GmbH	(22) 12.02.2018	(33) Germany
(72) RIEDERER, Frank	(54) VIBRATION ENERGY HARVESTER	(51) H02M 3/158
KARCZ, Thomas	(73) Nokia Technologies Oy	H02J 1/10
SCHULZE, Volkmar	(72) ODOGHUE, Declan	G05F 1/56
(31) 102018133366	FRIZZELL, Ronan	G06F 1/26
(32) 21.12.2018	(51) H02K 41/02	H02M 1/00
(33) Germany	(11) EP2624421	H02M 3/28
(51) H02K 7/12	(21) EP13000425.2	(11) EP3286813
H02K 7/06	(47) 25.01.2023	(21) EP16759419.1
H02K 16/04	(22) 29.01.2013	(47) 25.01.2023
H02K 1/27	(54) Linear axis with electric drive and	(87) US2016020469
H02K 1/2793	currentless fixation of the end position	09.09.2016
H02K 21/24	(73) Zimmer, Günther Stephan	(22) 02.03.2016
(11) EP3503357	Zimmer, Martin Johannes	(54) POWER COMBINER AND BALANCER
(21) EP17841470.2	(72) Zimmer, Günther Stephan	(73) Texas Instruments Incorporated
(47) 25.01.2023	Zimmer, Martin Johannes	(72) MORRONI, Jeffrey, Anthony
(87) JP2017029170	(31) 102012002247	(31) 201514719575
22.02.2018	(32) 31.01.2012	201562127069 P
(22) 10.08.2017	(33) Germany	(32) 22.05.2015
(54) ELECTRIC MOTOR DEVICE	(51) H02M 1/44	02.03.2015
(73) NTN Corporation	H02M 5/458	(33) United States of America
(72) MASUDA, Yui	H02M 1/15	United States of America
(31) 2016161151	(11) EP3393028	(51) H02M 3/335
(32) 19.08.2016	(21) EP18168415.0	H02J 1/08
(33) Japan	(47) 25.01.2023	H02P 5/68
(51) H02K 11/33	(22) 20.04.2018	(11) EP3961898
(11) EP3891874	(54) WIND TURBINE WITH CONVERTER	(21) EP20209579.0
(21) EP19842377.4	SYSTEM FOR REDUCING EM	(47) 25.01.2023
(47) 25.01.2023	RADIATION	(22) 24.11.2020
(87) FR2019052896	(73) Siemens Gamesa Renewable Energy	(54) SPINNING FRAME
11.06.2020	Service GmbH	(73) Maschinenfabrik Rieter AG
(22) 02.12.2019	(72) Letas, Heinz-Hermann	(72) INGOLD, Benedikt
(54) ELECTRICAL FILTERING SYSTEM FOR	(31) 102017003877	FAVERO, Elia
A SMART ELECTRIC MOTOR WITH	(32) 21.04.2017	(31) 20193600
DECOUPLED MULTIPLE WINDINGS		(32) 31.08.2020

(33) European Patent Office (EPO)	G05B 6/02	(73) Soltec Innovations S.L.
(51) H02M 3/335	(11) EP3001559	(72) GUERRERO PÉREZ, JAVIER
H02M 3/337	(21) EP15185901.4	(51) H03M 9/00
H02M 3/338	(47) 25.01.2023	H04L 25/02
H03B 5/12	(22) 18.09.2015	H03L 7/197
(11) EP3512087	(54) ACTIVE DEAD BAND FOR NOISE	(11) EP2633626
(21) EP18215990.5	REDUCTION IN HIGH RESPONSE	(21) EP11757226.3
(47) 25.01.2023	HIGH BANDWIDTH CONTROL	(47) 25.01.2023
(22) 31.12.2018	SYSTEMS	(87) EP2011065102
(54) A GALVANICALLY ISOLATED DC-DC	(73) Hamilton Sundstrand Corporation	03.05.2012
CONVERTER CIRCUIT WITH DATA	(72) BAUER, Ronald P.	(22) 01.09.2011
COMMUNICATION, CORRESPONDING	SOLOMONIDES, Jason B.	(54) TRANSMISSION METHOD AND
SYSTEM AND CORRESPONDING	(31) 201414491221	SYSTEM
METHOD	(32) 19.09.2014	(73) Robert Bosch GmbH
(73) STMicroelectronics S.r.l.	(33) United States of America	(72) HIMMELSTOSS, Armin
(72) PARISI, Alessandro	(51) H02P 6/182	(31) 102010042903
GRECO, Nunzio	(11) EP3433926	(32) 26.10.2010
SPINA, Nunzio	(21) EP17710191.2	(33) Germany
RAGONESE, Mr. Egidio	(47) 25.01.2023	(51) H04B 1/04
PALMISANO, Giuseppe	(87) EP2017055448	H01Q 3/26
(31) 201800000830	28.09.2017	(11) EP3850756
(32) 12.01.2018	(22) 08.03.2017	(21) EP18782837.1
(33) Italy	(54) METHOD FOR DETECTING THE	(47) 25.01.2023
(51) H02M 7/48	ROTOR POSITION OF A BLDC MOTOR	(87) US2018050165
H02M 7/5387	OF A RECIPROCATING-PISTON	19.03.2020
H02M 1/12	COMPRESSOR, COMPRESSOR	(22) 10.09.2018
G05B 13/04	CONTROL FOR PERFORMING THE	(54) ARRAY ANTENNA ADAPTIVE DIGITAL
H02P 23/00	METHOD, AND REFRIGERATION	PRE-DISTORTION WITH BAYESIAN
H02P 21/00	APPLIANCE HAVING SAID	OBSERVATION ANALYSIS
H02P 27/12	COMPRESSOR CONTROL	(73) Nokia Solutions and Networks Oy
H02P 27/14	(73) BSH Hausgeräte GmbH	(72) ALIJAN, Mehdi
H02M 1/00	(72) BECKMANN, Tommy	BARABASH, Darrell
(11) EP3806311	KLEIN, Moritz	(51) H04B 7/185
(21) EP19202732.4	SPIEGEL, Christoph	(11) EP3729683
(47) 25.01.2023	PAULDURO, Achim	(21) EP18836769.2
(22) 11.10.2019	(31) 102016204674	(47) 25.01.2023
(54) MODEL PREDICTIVE PULSE PATTERN	(32) 22.03.2016	(87) US2018066978
CONTROL BASED ON SMALL-SIGNAL	(33) Germany	27.06.2019
PULSE PATTERN OPTIMIZATION	(51) H02P 21/00	(22) 20.12.2018
(73) ABB Schweiz AG	H02P 21/28	(54) SYSTEM AND METHOD OF ADAPTIVE
(72) DORFLING, Martinus David	(11) EP3476037	INTERFERENCE AVOIDANCE IN MULTI
DU TOIT MOUTON, Hendrik	(21) EP17742807.5	-BEAM SATELLITE COMMUNICATIONS
GEYER, Tobias	(47) 25.01.2023	NETWORK
(51) H02M 7/483	(87) FR2017051635	(73) Hughes Network Systems, LLC
(11) EP3726721	28.12.2017	(72) KAY, Stanley, Edward
(21) EP19170425.3	(22) 20.06.2017	CHEN, Liping
(47) 25.01.2023	(54) METHOD FOR ESTIMATING THE	(31) 201715849602
(22) 19.04.2019	POSITION AND SPEED OF THE	(32) 20.12.2017
(54) MMC SUBMODULE SELECTION	ROTOR OF AN ALTERNATING	(33) United States of America
(73) General Electric Technology GmbH	CURRENT MACHINE FOR A MOTOR	(51) H04B 10/116
(72) DE PREVILLE, Guillaume	VEHICLE, AND CORRESPONDING	H04B 10/114
BREHAUT, Stéphane	SYSTEM	(11) EP3902158
(51) H02M 7/797	(73) Renault s.a.s	(21) EP19929013.1
H02M 1/32	Nissan Motor Co., Ltd.	(47) 25.01.2023
H02M 7/483	(72) KOTEICH, Mohamad	(87) CN2019090550
H02J 3/36	MALOUM, Abdelmalek	19.11.2020
(11) EP3876414	(31) 1655822	(22) 10.06.2019
(21) EP20275052.7	(32) 22.06.2016	(54) OPTICAL NETWORKING METHOD,
(47) 25.01.2023	(33) France	OPTICAL COMMUNICATION DEVICE,
(22) 04.03.2020	(51) H02S 20/32	AND OPTICAL NETWORKING SYSTEM
(54) ELECTRICAL ASSEMBLY	G06F 30/20	(73) Wu, Wenjing
(73) General Electric Technology GmbH	(11) EP3896843	(72) Wu, Wenjing
(72) Chivite-Zabalza, Javier	(21) EP20169483.3	(31) PCT/CN2019/086860
Outram, John	(47) 25.01.2023	(32) 14.05.2019
Davidson, Colin	(22) 14.04.2020	(33) World Intellectual Property Office (WIPO)
(51) H02P 6/16	(54) METHOD FOR OPTIMIZING POWER	(51) H04B 10/2507
G05B 5/01	PRODUCTION IN PHOTOVOLTAIC	H04B 10/2513
	MODULES	

H04B 10/50	(47) 25.01.2023	(47) 25.01.2023
H04B 10/516	(87) IB2017051874	(87) KR2015003104
H04B 10/54	05.10.2017	01.10.2015
(11) EP4085546	(22) 31.03.2017	(22) 30.03.2015
(21) EP22710163.1	(54) LOW COMPLEXITY MULTI-CONFIGURATION CSI REPORTING	(54) METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING PACKET IN COMMUNICATION SYSTEM
(47) 25.01.2023	(73) Telefonaktiebolaget LM Ericsson (publ)	(73) Samsung Electronics Co., Ltd
(87) IB2022051996	(72) HARRISON, Robert Mark	(72) HWANG, Sung-Hee
15.09.2022	FRENNE, Mattias	YANG, Hyun-Koo
(22) 07.03.2022	GAO, Shiwei	(31) 20140037265
(54) LOW-POWER PRE-COMPENSATION OF LINEAR AND NONLINEAR TRANSMITTER EFFECTS IN NARROW-SPECTRUM OPTICAL SIGNALS	JÖNGREN, George	(32) 28.03.2014
(73) Ciena Corporation	MURUGANATHAN, Siva	(33) Korea (Republic)
(72) OVEIS GHARAN, Shahab	(31) 201662316893 P	(51) H04L 1/18
ZIMMER, Kendal	(32) 01.04.2016	(11) EP3985902
BOURGET, Christian	(33) United States of America	(21) EP21212662.7
HARLEY, James	(51) H04L 1/00	(47) 25.01.2023
(31) 202117460437	H04L 1/18	(22) 22.02.2017
202163160073 P	H04L 5/00	(54) METHOD AND DEVICE FOR INFORMATION TRANSMISSION
(32) 30.08.2021	(11) EP3537644	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
12.03.2021	(21) EP17867486.7	(72) LIN, Yanan
(33) United States of America	(47) 25.01.2023	(51) H04L 1/18
United States of America	(87) CN2017109362	H04L 1/00
(51) H04B 10/2575	11.05.2018	H04L 5/00
(11) EP3900226	(22) 03.11.2017	H04L 1/12
(21) EP19827684.2	(54) DATA TRANSMISSION METHOD AND APPARATUS	(11) EP3430751
(47) 25.01.2023	(73) Huawei Technologies Co., Ltd.	(21) EP16716309.6
(87) EP2019085511	(72) PENG, Jinlin	(47) 25.01.2023
25.06.2020	DONG, Pengpeng	(87) SE2016050214
(22) 17.12.2019	WANG, Zongjie	21.09.2017
(54) ELECTRONIC DEVICE FOR CONVERTING A WIRELESS SIGNAL INTO AT LEAST ONE MODULATED OPTICAL SIGNAL	ZHANG, Peng	(22) 16.03.2016
(73) ETH Zurich	(31) 201710167223	(54) DETERMINING DTX CAUSE
(72) BURLA, Maurizio	201611271245	(73) Telefonaktiebolaget LM Ericsson (publ)
LEUTHOLD, Juerg	201610982030	(72) SUN, Ying
(31) 15782018	(32) 20.03.2017	JOHANSSON, Anders
(32) 20.12.2018	30.12.2016	FU, Jing
(33) Switzerland	04.11.2016	(51) H04L 1/18
(51) H04H 20/26	(33) China	H04L 1/22
H04H 20/24	China	H04W 36/14
(11) EP3219030	China	(11) EP3228038
(21) EP14796090.0	(51) H04L 1/00	(21) EP14805594.0
(47) 25.01.2023	H04L 69/24	(47) 25.01.2023
(87) EP2014074137	H04L 1/18	(87) EP2014076096
19.05.2016	H04W 4/70	09.06.2016
(22) 10.11.2014	H04L 67/10	(22) 01.12.2014
(54) METHOD AND DEVICE FOR RECEIVING A BROADCAST SERVICE COMPRISING SWITCHING BETWEEN DIGITAL AUDIO BROADCASTING (DAB) TRANSMISSIONS AND ENHANCED MULTIMEDIA BROADCAST/MULTICAST TRANSMISSIONS (EMBMS)	(11) EP3720019	(54) TRANSMISSION PROTECTION
(73) Bayerische Motoren Werke Aktiengesellschaft	(21) EP18888322.7	(73) Sony Group Corporation
(72) GOZALVEZ SERRANO, David	(47) 25.01.2023	(72) NORD, Lars
KLEMP, Oliver	(87) CN2018109014	LJUNG, Rickard
CALABUIG GASPAS, Jorge	20.06.2019	(51) H04L 1/18
CALABUIG SOLER, Daniel	(22) 30.09.2018	H04W 72/12
GIMENEZ GANDIA, Jordi Joan	(54) INTERNET OF THINGS DATA TRANSMISSION METHOD, DEVICE AND SYSTEM	H04W 4/40
MONSERRAT DEL RIO, Jose Francisco	(73) HUAWEI TECHNOLOGIES CO., LTD.	(11) EP3734881
(51) H04L 1/00	(72) FU, Baicheng	(21) EP18905094.1
(11) EP3437224	CAO, Zhen	(47) 25.01.2023
(21) EP17717506.4	JIN, Ke	(87) CN2018122888
	ZHENG, Fei	15.08.2019
	(31) 201711349410	(22) 21.12.2018
	(32) 15.12.2017	(54) DATA TRANSMISSION METHOD, DEVICE AND COMPUTER STORAGE MEDIUM
	(33) China	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
	(51) H04L 1/00	(72) TANG, Hai
	H04N 21/2662	LIN, Huei-Ming
	H04N 21/2383	
	H04N 21/2343	
	(11) EP3125536	
	(21) EP15768498.6	

(31) PCT/CN2018/075454	(87) SE2015050729	CEZANNE, Juergen
(32) 06.02.2018	30.12.2015	SAMPATH, Ashwin
(33) World Intellectual Property Office (WIPO)	(22) 23.06.2015	GOROKHOV, Alexei Yurievitch
(51) H04L 5/00	(54) METHOD AND APPARATUSES	LI, Junyi
(11) EP2724488	FOR OPERATING A WIRELESS	SADIQ, Bilal
(21) EP12733335.9	COMMUNICATION NETWORK	(31) 201715608869
(47) 25.01.2023	(73) Telefonaktiebolaget LM Ericsson (publ)	201662410073 P
(87) US2012043725	(72) ANDERSSON, Håkan	201662401801 P
27.12.2012	PARKVALL, Stefan	201662350171 P
(22) 22.06.2012	SAHLIN, Henrik	201662344381 P
(54) METHOD AND APPARATUS FOR	ZHANG, Qiang	(32) 30.05.2017
RECEIVING A PREAMBLE IN A	FRENNE, Mattias	19.10.2016
WIRELESS COMMUNICATION SYSTEM	FURUSKOG, Johan	29.09.2016
(73) InterDigital Patent Holdings, Inc.	(31) 201462016358 P	14.06.2016
(72) GHOSH, Monisha	(32) 24.06.2014	01.06.2016
SHAH, Nirav B.	(33) United States of America	(33) United States of America
GRANDHI, Sudheer A.	(51) H04L 5/00	United States of America
MURIAS, Ronald G.	H04L 25/03	United States of America
ZHANG, Guodong	H04W 72/04	United States of America
WANG, Xiaofei	H04L 1/00	United States of America
LOU, Hanqing	(11) EP3740006	(51) H04L 5/00
OLESEN, Robert L.	(21) EP19738806.9	H04W 8/24
(31) 201261645948 P	(47) 25.01.2023	(11) EP3682584
201261607345 P	(87) CN2019071372	(21) EP18779948.1
201261586525 P	18.07.2019	(47) 25.01.2023
201161500930 P	(22) 11.01.2019	(87) US2018050908
(32) 11.05.2012	(54) DATA TRANSMISSION METHOD,	21.03.2019
06.03.2012	DESCRAMBLING METHOD,	(22) 13.09.2018
13.01.2012	DEMODULATION METHOD, AND	(54) UE CAPABILITY CONSTRAINT
24.06.2011	DEVICE	INDICATIONS FOR HIGH ORDER
(33) United States of America	(73) Vivo Mobile Communication Co., Ltd.	MODULATION
United States of America	(72) REN, Qianyao	(73) QUALCOMM Incorporated
United States of America	Ji, Zichao	(72) GAAL, Peter
United States of America	SHEN, Xiaodong	HOSSEINI, Seyedkianoush
(51) H04L 5/00	LI, Na	KITAZOE, Masato
(11) EP3364589	(31) 201810032423	CHEN, Wanshi
(21) EP18152883.7	(32) 12.01.2018	(31) 201816129564
(47) 25.01.2023	(33) China	201762558329 P
(22) 23.01.2018	(51) H04L 5/00	(32) 12.09.2018
(54) FLEXIBLE NB-IOT MULTI-CARRIER	H04L 27/00	13.09.2017
OPERATION ACROSS RADIO	H04W 48/02	(33) United States of America
FREQUENCY BANDS	(11) EP3522435	United States of America
(73) Shenzhen Goodix Technology Co., Ltd.	(21) EP19159089.2	(51) H04L 5/00
(72) Kurth, Mathias	(47) 25.01.2023	H04W 72/12
(31) 17153663	(22) 09.08.2013	H04L 1/00
(32) 30.01.2017	(54) TD LTE SECONDARY COMPONENT	(11) EP2437423
(33) European Patent Office (EPO)	CARRIER IN UNLICENSED BANDS	(21) EP11191297.8
(51) H04L 5/00	(73) BlackBerry Limited	(47) 25.01.2023
(11) EP3731451	(72) BONTU, Chandra Sekhar	(22) 23.04.2010
(21) EP20180344.2	PERIYALWAR, Shalini Suresh	(54) Uplink radio resource allocation in the
(47) 25.01.2023	(31) 201213572092	presence of power limited users
(22) 28.09.2010	(32) 10.08.2012	(73) Telefonaktiebolaget LM Ericsson (publ)
(54) EXTENDING PHYSICAL DOWNLINK	(33) United States of America	(72) Koorapaty, Havish
CONTROL CHANNELS	(51) H04L 5/00	Ramesh, Rajaram
(73) Samsung Electronics Co., Ltd.	H04L 27/26	Balachandran, Kumar
(72) Papasakellariou, Aris	(11) EP3465969	(31) 429468
Cho, Joon Young	(21) EP17729989.8	(32) 24.04.2009
(31) 24638709 P	(47) 25.01.2023	(33) United States of America
246380 P	(87) US2017035281	(51) H04L 5/00
(32) 28.09.2009	07.12.2017	H04W 74/00
28.09.2009	(22) 31.05.2017	H04W 74/08
(33) United States of America	(54) TIME DIVISION MULTIPLEXING OF	H04B 7/06
United States of America	SYNCHRONIZATION CHANNELS	(11) EP3432673
(51) H04L 5/00	(73) QUALCOMM Incorporated	(21) EP17779333.8
H04B 7/06	(72) ISLAM, Muhammad Nazmul	(47) 25.01.2023
(11) EP3161988	ABEDINI, Navid	(87) KR2017003696
(21) EP15738150.0	LUO, Tao	12.10.2017
(47) 25.01.2023	SUBRAMANIAN, Sundar	(22) 04.04.2017

(54) METHOD AND APPARATUS FOR DECODING RANDOM ACCESS RESPONSE MESSAGE IN WIRELESS COMMUNICATION SYSTEM	(32) 20.10.2016 23.06.2016 (33) United States of America United States of America	(72) DUVAL, Benjamin BERZATI, Alexandre FOURQUIN, Olivier
(73) Samsung Electronics Co., Ltd.	(51) H04L 9/00	(31) 18306677
(72) YOO, Hyunil KIM, Taeyoung NOH, Jeehwan	H04L 9/32 H04L 9/40 H04W 12/069 H04W 84/04	(32) 12.12.2018 (33) European Patent Office (EPO)
(31) 20170015793 201662317943 P	(11) EP3799351	(51) H04L 9/32
(32) 03.02.2017 04.04.2016	(21) EP20191503.0	(11) EP3902201
(33) Korea (Republic) United States of America	(47) 25.01.2023 (22) 18.08.2020	(21) EP21180347.3 (47) 25.01.2023 (22) 11.09.2018
(51) H04L 5/00 H04W 84/12 H04L 1/00	(54) COMMUNICATION RELAY PROGRAM, RELAY DEVICE COMMUNICATION RELAY METHOD, AND COMMUNICATION SYSTEM	(54) METHODS AND DEVICES FOR INCREASING ENTROPY OF A BLOCKCHAIN USING BLINDED OUTCOME DIVERSIFICATION
(11) EP3745635	(73) FUJITSU LIMITED	(73) nChain Licensing AG
(21) EP20177076.5	(72) Suzuki, Dai	(72) BARTOLUCCI, Silvia BERNAT, Pauline JOSEPH, Daniel WRIGHT, Craig Steven
(47) 25.01.2023	(31) 2019175822	(31) 201714907
(22) 28.05.2020	(32) 26.09.2019	(32) 15.09.2017
(54) RESOURCE UNITS FOR WIDE BAND TRANSMISSION IN A WIRELESS NETWORK	(33) Japan	(33) United Kingdom
(73) MediaTek Singapore Pte. Ltd.	(51) H04L 9/08	(51) H04L 9/32
(72) LIU, Jianhan HU, Shengquan PARE, Jr., Thomas Edward	(11) EP3903441	H04L 9/00 G06Q 20/02
(31) 202016878285 201962855011 P	(21) EP19829189.0	(11) EP3869732
(32) 19.05.2020 31.05.2019	(47) 25.01.2023	(21) EP21157261.5
(33) United States of America United States of America	(87) EP2019086485 02.07.2020	(47) 25.01.2023 (22) 16.02.2021
(51) H04L 9/00 G06F 21/54 G06F 11/28	(22) 19.12.2019	(54) METHOD AND APPARATUS FOR PROCESSING RESOURCE OF BLOCK CHAIN, DEVICE, MEDIUM AND COMPUTER PROGRAM PRODUCT
(11) EP3284206	(54) METHOD AND DEVICE FOR QUANTUM COMPUTATION DELEGATED TO A QUANTUM SERVER BY A CLIENT FOR THE CREATION OF A QUANTUM STATE KNOWN TO THE CLIENT BUT CONCEALED FROM THE QUANTUM SERVER	(73) BAIDU ONLINE NETWORK TECHNOLOGY (BEIJING) CO., LTD.
(21) EP16731193.5	(73) VeriQloud	(72) XIAO, Wei
(47) 25.01.2023	(72) KAPLAN, Marc	(31) 202010108737
(87) FR2016050782 20.10.2016	(31) 1874163	(32) 21.02.2020
(22) 06.04.2016	(32) 26.12.2018	(33) China
(54) METHOD OF SECURING THE EXECUTION OF A PROGRAM	(33) France	(51) H04L 9/32 H04L 9/40 H04L 67/12 G06Q 30/06
(73) Rambus Inc.	(51) H04L 9/08 G06F 8/30 G06F 8/35	(11) EP3800826
(72) BENCHALAL, Othman DUPAQUIS, Vincent	(11) EP3977668	(21) EP19200989.2
(31) 1500794	(21) EP20725489.7	(47) 25.01.2023
(32) 15.04.2015	(47) 25.01.2023	(22) 02.10.2019
(33) France	(87) EP2020062886 10.12.2020	(54) METHOD AND SYSTEM FOR THE DISTRIBUTED ASSIGNMENT OF REVENUE FROM A SYSTEM TO SEVERAL PERSONS INVOLVED
(51) H04L 9/00 H04L 9/06 G06F 11/30	(22) 08.05.2020	(73) Youki GmbH
(11) EP3475825	(54) SYSTEM FOR PRODUCING CRYPTOGRAPHIC MATERIAL	(72) STOUSSAVLJEWITSCH, Martin STOUSSAVLJEWITSCH, Michael
(21) EP17816332.5	(73) Mercedes-Benz Group AG	(51) H04L 9/40 G06F 21/55
(47) 25.01.2023	(72) FRIESEN, Viktor PAVLOVIC, Viktor	(11) EP3745667
(87) US2017039107 28.12.2017	(31) 102019003904	(21) EP19177655.8
(22) 23.06.2017	(32) 03.06.2019	(47) 25.01.2023
(54) CRYPTOGRAPHIC OPERATIONS EMPLOYING NON-LINEAR SHARE ENCODING FOR PROTECTING FROM EXTERNAL MONITORING ATTACKS	(33) Germany	(22) 31.05.2019
(73) Cryptography Research, Inc.	(51) H04L 9/32	(54) DETECTION OF HARMFUL PROCESS INTENT IN AN INTENT-BASED PRODUCTION PROCESS
(72) DE MULDER, Elke	(11) EP3895369	(73) ABB Schweiz AG
(31) 201662410527 P 201662354062 P	(21) EP19813338.1	(72) SCHULZ, Dirk Dr. JETLEY, Raoul
	(47) 25.01.2023	
	(87) EP2019083883 18.06.2020	
	(22) 05.12.2019	
	(54) METHOD OF IMPLEMENTING A PHYSICAL UNCLONABLE FUNCTION	
	(73) THALES DIS FRANCE SAS	

- (51) H04L 9/40
G06F 21/60
G06F 21/62
G06N 5/00
(11) EP3646555
(21) EP18738146.2
(47) 25.01.2023
(87) US2018037947
03.01.2019
(22) 15.06.2018
(54) SECURITY POLICY ANALYZER
SERVICE AND SATISFIABILITY
ENGINE
(73) Amazon Technologies, Inc.
(72) COOK, John
RUNGTA, Neha
DODGE, Catherine
PUCHALSKI, Jeff
VARMING, Carsten
(31) 201715637238
201715637227
(32) 29.06.2017
29.06.2017
(33) United States of America
United States of America
-
- (51) H04L 9/40
H04L 41/0853
G06F 21/30
G06F 21/44
G06F 21/45
G06F 21/57
H04L 41/12
H04L 67/51
H04L 67/53
H04L 67/56
G06F 9/50
(11) EP3987749
(21) EP20739498.2
(47) 25.01.2023
(87) US2020038140
24.12.2020
(22) 17.06.2020
(54) DISCOVERY AND MAPPING OF A
CLOUD-BASED AUTHENTICATION,
AUTHORIZATION, AND USER
MANAGEMENT SERVICE
(73) ServiceNow, Inc.
(72) BITTERFELD, Robert
GARTY, Asaf
SOLOMON, Bary
BADYAN, Daniel
(31) 201916445984
(32) 19.06.2019
(33) United States of America
-
- (51) H04L 9/40
H04W 12/77
G07F 7/12
G06Q 20/40
G06Q 20/36
H04L 9/32
B42D 25/36
H04W 12/06
G06F 21/36
G06Q 20/32
G06K 19/06
B05D 3/00
G06K 19/12
B42D 25/369
- (11) EP3932099
(21) EP20702861.4
(47) 25.01.2023
(87) EP2020053354
03.09.2020
(22) 10.02.2020
(54) VERIFIABLE ACCESS CREDENTIAL
(73) SICPA HOLDING SA
(72) DORIER, Jean-Luc
DINOEV, Todor
LOGINOV, Evgeny
FANKHAUSER, Catherine
NICOLOV, Kalin
SUICHIES, Bart
DESPLAND, Claude-Alain
CALLEGARI, Andrea
(31) 19160137
(32) 28.02.2019
(33) European Patent Office (EPO)
-
- (51) H04L 12/28
H04L 67/125
(11) EP3764599
(21) EP19186104.6
(47) 25.01.2023
(22) 12.07.2019
(54) MONITORING SMART DEVICES IN A
NETWORK
(73) Nokia Solutions and Networks Oy
(72) Rajapandiyar, Karthick
Venu, Gunasekar
-
- (51) H04L 12/403
(11) EP3672161
(21) EP19216685.8
(47) 25.01.2023
(22) 16.12.2019
(54) DISTRIBUTED TIME
SYNCHRONIZATION PROTOCOL
FOR AN ASYNCHRONOUS
COMMUNICATION SYSTEM
(73) Simmonds Precision Products, Inc.
(72) EVANS, Owen Daniel
(31) 201816223550
(32) 18.12.2018
(33) United States of America
-
- (51) H04L 12/427
(11) EP3723331
(21) EP18895935.7
(47) 25.01.2023
(87) CN2018122954
04.07.2019
(22) 22.12.2018
(54) CHIP, AND RELATED APPARATUS
(73) Huawei Technologies Co., Ltd.
(72) ZHENG, Qiaoshi
WU, Xiaowen
XIA, Jing
ZONG, Wen
(31) 201711489892
(32) 29.12.2017
(33) China
-
- (51) H04L 25/02
H04L 69/22
(11) EP3020172
(21) EP14834212.4
(47) 25.01.2023
(87) KR2014007226
12.02.2015
(22) 05.08.2014
- (54) TRANSMITTING APPARATUS,
RECEIVING APPARATUS, AND
CONTROLLING METHODS THEREOF
(73) Samsung Electronics Co., Ltd.
(72) HWANG, Sung-oh
MOURAD, Alain
YANG, Hyun-koo
HWANG, Sung-hee
(31) 20140062575
201361873493 P
201361862168 P
(32) 23.05.2014
04.09.2013
05.08.2013
(33) Korea (Republic)
United States of America
United States of America
-
- (51) H04L 25/03
H04L 27/38
H04L 27/26
H04L 25/06
H04B 1/04
H04L 5/00
(11) EP3404880
(21) EP16893951.0
(47) 25.01.2023
(87) CN2016076800
21.09.2017
(22) 18.03.2016
(54) SIGNAL PROCESSING METHOD AND
RELATED DEVICE
(73) Huawei Technologies Co., Ltd.
(72) SI, Xiaoshu
ZHANG, Li
SHI, Huaping
QIU, Yong
-
- (51) H04L 27/04
(11) EP3868067
(21) EP18789068.6
(47) 25.01.2023
(87) EP2018078065
23.04.2020
(22) 15.10.2018
(54) METHOD, TRANSMITTER,
STRUCTURE, TRANSCIEVER AND
ACCESS POINT FOR PROVISION
OF MULTICARRIER ON-OFF KEYING
SIGNAL
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) LOPEZ, Miguel
WILHELMSSON, Leif
-
- (51) H04L 27/26
H04L 1/06
H04L 1/08
(11) EP3886387
(21) EP18944728.7
(47) 25.01.2023
(87) JP2018048567
02.07.2020
(22) 28.12.2018
(54) WIRELESS TRANSMISSION DEVICE,
WIRELESS RECEPTION DEVICE
AND WIRELESS COMMUNICATION
METHOD
(73) Mitsubishi Electric Corporation
(72) NAKAJIMA, Akinori
-
- (51) H04L 27/26
H04L 5/00

(11) EP3135012	ALLOWING THE EXECUTION OF A	(11) EP1547357
(21) EP15788773.8	PLURALITY OF COMMANDS ON A	(21) EP03798768.2
(47) 25.01.2023	PLURALITY OF DEVICES	(47) 25.01.2023
(87) CN2015078200	(73) Convida Wireless, LLC	(87) US2003030530
12.11.2015	(72) LY, Quang	08.04.2004
(22) 04.05.2015	WANG, Chonggang	(22) 26.09.2003
(54) SYSTEM AND METHOD FOR	LU, Guang	(54) DIGITAL CONTENT DELIVERY AND
ORTHOGONAL FREQUENCY	DONG, Lijun	VIEWING SYSTEM AND METHOD
DIVISION MULTIPLE ACCESS	LI, Xu	(73) Haivision Systems Inc.
COMMUNICATIONS	CHEN, Zhuo	(72) GAUCHER, Joseph, A., JR.
(73) Huawei Technologies Co., Ltd.	RAHMAN, Shamim Akbar	ZORC, Brian, R.
(72) ABOUL-MAGD, Osama	(31) 201462026165 P	ZENG, Jingdong
SUH, Jung Hoon	(32) 18.07.2014	LIM, Robert, C.
AU, Kwok Shum	(33) United States of America	ALLEN, Fred
SUN, Sheng	(51) H04L 41/12	YELLEN, Adam, P.
(31) 201514699842	H04L 41/0896	(31) 451762 P
201461991024 P	H04L 41/147	413853 P
(32) 29.04.2015	(11) EP3709575	(32) 04.03.2003
09.05.2014	(21) EP19216856.5	26.09.2002
(33) United States of America	(47) 25.01.2023	(33) United States of America
United States of America	(22) 17.12.2019	United States of America
(51) H04L 27/26	(54) GENERATING CANDIDATE LINKS	(51) H04L 67/1095
H04W 36/00	AND CANDIDATE PATHS BEFORE	H04L 67/1097
H04W 48/12	SELECTING LINKS FOR AN	G06F 3/06
H04W 48/18	OPTIMIZED OPTICAL NETWORK PLAN	(11) EP3603025
H04W 74/08	(73) Juniper Networks, Inc.	(21) EP18717482.6
H04W 40/04	(72) SIDEBOTTOM, Greg	(47) 25.01.2023
H04L 5/00	(31) 201916355041	(87) US2018024092
H04W 28/02	(32) 15.03.2019	04.10.2018
(11) EP3902320	(33) United States of America	(22) 23.03.2018
(21) EP21163743.4	(51) H04L 47/24	(54) MIGRATION OF INFORMATION VIA
(47) 25.01.2023	(11) EP3503485	STORAGE DEVICES
(22) 27.12.2017	(21) EP18211727.5	(73) Amazon Technologies, Inc.
(54) COMMUNICATION METHOD,	(47) 25.01.2023	(72) LAZIER, Colin Laird
TERMINAL DEVICE, AND NETWORK	(22) 11.12.2018	(31) 201715473479
DEVICE	(54) METHOD FOR MANAGING TRAFFIC	201715473475
(73) HUAWEI TECHNOLOGIES CO., LTD.	IN A NETWORK BASED UPON	(32) 29.03.2017
(72) WANG, Tingting	ETHERNET SWITCHES, VEHICLE,	29.03.2017
ZENG, Qinghai	COMMUNICATION INTERFACE, AND	(33) United States of America
GUO, Yi	CORRESPONDING COMPUTER	United States of America
(31) 201710005557	PROGRAM PRODUCT	(51) H04L 67/12
(32) 04.01.2017	(73) Marelli Europe S.p.A.	H04W 4/02
(33) China	Universita' Degli Studi Di Catania	H04W 4/80
(51) H04L 27/36	(72) LO BELLO, Lucia	(11) EP3371987
H04L 27/26	PATTI, Gaetano	(21) EP16791457.1
(11) EP3627787	BATTAGLIA, Filippo	(47) 25.01.2023
(21) EP18196127.7	ARENA, Marco	(87) JP2016080895
(47) 25.01.2023	VASTA, Giancarlo	11.05.2017
(22) 22.09.2018	(31) 201700149137	(22) 19.10.2016
(54) OFDM BASED RADAR DETECTION	(32) 22.12.2017	(54) COMMUNICATION BETWEEN A
(73) IMEC VZW	(33) Italy	VEHICLE ECU AND EXTERNAL
(72) Bourdoux, Andre	(51) H04L 47/32	DEVICES IN PROXIMITY
Bauduin, Marc	H04W 4/80	(73) Sony Group Corporation
Desset, Claude	H04W 84/18	(72) GUPTA Manish
(51) H04L 41/0246	(11) EP3769482	SARKAR Samiran
H04L 41/0803	(21) EP18715562.7	CHINTALAPOODI Pramod
H04W 4/50	(47) 25.01.2023	TANAKA Sho
H04W 4/70	(87) EP2018057541	(31) 201514930271
H04L 41/0893	26.09.2019	(32) 02.11.2015
(11) EP3170284	(22) 23.03.2018	(33) United States of America
(21) EP15747665.6	(54) MESSAGE CACHE MANAGEMENT IN A	(51) H04L 67/51
(47) 25.01.2023	MESH NETWORK	H04L 67/00
(87) US2015040942	(73) Telefonaktiebolaget LM Ericsson (publ)	H04L 67/61
21.01.2016	(72) ARVIDSON, Pontus	H04L 67/63
(22) 17.07.2015	DI MARCO, Piergiuseppe	H04W 8/08
(54) ENHANCED OPERATIONS BETWEEN	SKILLERMARK, Per	(11) EP2976869
SERVICE LAYER AND MANAGEMENT	(51) H04L 67/00	(21) EP14710301.4
LAYER IN AN M2M SYSTEM BY	H04L 69/329	(47) 25.01.2023

(87) EP2014055239 25.09.2014	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(54) IMAGE READING APPARATUS AND CONTROL METHOD THEREOF
(22) 17.03.2014	(72) LIU, Qihu	(73) Toshiba Tec Kabushiki Kaisha
(54) REDIRECTING A CLIENT DEVICE FROM A FIRST GATEWAY TO A SECOND GATEWAY FOR ACCESSING A NETWORK NODE FUNCTION	(31) 201711419886 201711418894 201711421116	(72) ODANI, Makoto
(73) Koninklijke KPN N.V.	(32) 25.12.2017	(31) 201916568967
Nederlandse Organisatie voor toegepast- natuurwetenschappelijk onderzoek TNO	(33) China	(32) 12.09.2019
(72) STRIJKERS, Rudolf	China	(33) United States of America
NORP, Antonius	China	(51) H04N 5/225
(31) 13159734	(51) H04M 11/00	H04N 5/235
(32) 18.03.2013	H04L 43/10	G01C 21/20
(33) European Patent Office (EPO)	F24F 11/58	(11) EP3890300
(51) H04L 67/51	H04L 67/141	(21) EP20382269.7
H04L 67/10	(11) EP3813473	(47) 25.01.2023
H04L 67/02	(21) EP18923198.8	(22) 03.04.2020
(11) EP3850817	(47) 25.01.2023	(54) A SELF-PROPELLED VEHICLE
(21) EP19774026.9	(87) CN2018121412	(73) UAV AUTOSYSTEMS HOVERING
(47) 25.01.2023	26.12.2019	SOLUTIONS ESPAÑA, S.L.
(87) US2019050584	(22) 17.12.2018	(72) ESPADA MORENO, Francisco José
19.03.2020	(54) COMMUNICATION METHOD, DEVICE, STORAGE MEDIUM, VOICE BOARD, DETECTION BOARD, AND AIR CONDITIONER	(51) H04N 5/232
(22) 11.09.2019	(73) Gree Electric Appliances, Inc. of Zhuhai	(11) EP4009623
(54) SYSTEMS AND METHODS FOR INTEGRATED SERVICE DISCOVERY FOR NETWORK APPLICATIONS	(72) LIAO, Hufeng	(21) EP20212227.1
(73) Citrix Systems, Inc.	WANG, Zi	(47) 25.01.2023
(72) CHAUHAN, Abhishek	ZHENG, Wencheng	(22) 07.12.2020
(31) 201816129240	(31) 201810628783	(54) ELECTRONIC IMAGE STABILIZATION OF A VIDEO STREAM CAPTURED BY A PANNABLE AND/OR TILTABLE VIDEO CAMERA
(32) 12.09.2018	(32) 19.06.2018	(73) Axis AB
(33) United States of America	(33) China	(72) Nilsson, Tor
(51) H04L 67/53	(51) H04M 19/04	Förberg, Johan
H04L 69/28	H04M 1/72442	Henningsson, Toivo
H04W 4/02	H04M 1/72412	Nyström, Johan
H04W 4/20	H04R 1/10	(51) H04N 5/232
H04L 67/52	H04W 4/80	G06T 7/00
G06F 16/9038	H04W 76/00	(11) EP3371741
(11) EP3506605	H04W 76/10	(21) EP16876441.3
(21) EP19151477.7	H04W 76/25	(47) 25.01.2023
(47) 25.01.2023	H04M 1/72409	(87) US2016066113
(22) 20.02.2009	H04M 1/60	22.06.2017
(54) METHODS FOR PERFORMING SESSION INFO QUERY FOR USER PLANE LOCATION	(11) EP3687137	(22) 12.12.2016
(73) QUALCOMM Incorporated	(21) EP20162058.0	(54) FOCUS DETECTION
(72) Burroughs, Kirk Allan	(47) 25.01.2023	(73) Sony Group Corporation
Edge, Stephen W.	(22) 26.03.2015	(72) BERESTOV, Alexander
Lin, le-Hong	(54) MANAGING CONNECTIONS OF A USER DEVICE	LI, Pingshan
Wachter, Andreas K.	(73) Apple Inc.	WEI, Jianing
(31) 26322508	(72) SCHOBEL, Andreas E.	TU, Xue
3162208 P	DE VRIES, Nathan	MIZUKURA, Takami
(32) 31.10.2008	NOVICK, Gregory	MATSUI, Akira
26.02.2008	GUETTA, Anthony J.	SHUDA, Tomonori
(33) United States of America	CONN, Jason C.	(31) 201514975315
United States of America	PRATS, Augustin	(32) 18.12.2015
(51) H04M 1/725	(31) 201414475422	(33) United States of America
H04M 19/04	201462005505 P	(51) H04N 5/32
(11) EP3723352	(32) 02.09.2014	H04N 5/359
(21) EP18894393.0	30.05.2014	H04N 5/374
(47) 25.01.2023	(33) United States of America	(11) EP2873228
(87) CN2018123577	United States of America	(21) EP13774233.4
04.07.2019	(51) H04N 1/00	(47) 25.01.2023
(22) 25.12.2018	(11) EP3793181	(87) IB2013002011
(54) NOTIFICATION PROMPT METHOD AND APPARATUS, TERMINAL AND STORAGE MEDIUM	(21) EP20184838.9	23.01.2014
	(47) 25.01.2023	(22) 16.07.2013
	(22) 09.07.2020	(54) CIRCUITRY AND METHOD FOR COLLECTING IMAGE ARRAY DATA WITH SEPARATE ADDRESSING AND DYNAMIC CLAMPING OF PIXELS TO ALLOW FOR FASTER PIXEL DATA READOUT AND FULL REMOVAL OF PIXEL CHARGES

(73) Siemens Healthineers International AG	(22) 11.05.2017	VECTOR, AND APPARATUS USING
(72) STAMM, Michael	(54) MULTI-RESOLUTION LIGHTFIELD	THE METHOD
MIKULA, Harald	RENDERING USING IMAGE	(73) KT Corporation
MORF, Daniel	PYRAMIDS	(72) Lee, Bae Keun
RIEM, Heinrich	(73) Siemens Healthcare GmbH	Kwon, Jae Cheol
STEINLIN, Victor	(72) Paulus, Jr. John	Kim, Joo Young
(31) 201213549678	Vetter, Christoph	(31) 20120039501
(32) 16.07.2012	(31) 201615158222	20110091782
(33) United States of America	(32) 18.05.2016	(32) 17.04.2012
(51) H04N 5/335	(33) United States of America	09.09.2011
H04N 5/232	(51) H04N 19/12	(33) Korea (Republic)
H04N 5/225	H04N 19/117	Korea (Republic)
H04N 5/369	H04N 19/147	(51) H04N 21/2187
(11) EP3700193	H04N 19/176	H04N 21/234
(21) EP18869394.9	H04N 19/46	H04N 21/262
(47) 25.01.2023	H04N 19/593	H04N 21/845
(87) CN2018111022	H04N 19/625	(11) EP3533227
25.04.2019	(11) EP3340621	(21) EP17784748.0
(22) 19.10.2018	(21) EP16837188.8	(47) 25.01.2023
(54) PHOTSENSITIVE CHIP, MOBILE	(47) 25.01.2023	(87) US2017054159
TERMINAL AND PHOTOGRAPHING	(87) JP2016074291	03.05.2018
METHOD	23.02.2017	(22) 28.09.2017
(73) Vivo Mobile Communication Co., Ltd.	(22) 19.08.2016	(54) ANCHORS FOR LIVE STREAMS
(72) YANG, Shangming	(54) IMAGE DECODING DEVICE, AND	(73) Google LLC
(31) 201710985109	PROGRAMS THEREFOR	(72) LEWIS, Justin
(32) 20.10.2017	(73) Nippon Hoso Kyokai	DAVIES, Scott
(33) China	(72) ICHIGAYA, Atsuro	(31) 201615339874
(51) H04N 5/347	SAKAIDA, Shinichi	(32) 31.10.2016
H04N 5/357	(31) 2015163259	(33) United States of America
H04N 5/3745	2015163257	(51) H04N 21/422
(11) EP3984212	2015163260	H04N 21/658
(21) EP20744094.2	(32) 20.08.2015	H04N 21/439
(47) 25.01.2023	20.08.2015	H04N 21/442
(87) IB2020055569	20.08.2015	H04H 60/31
24.12.2020	(33) Japan	H04H 60/45
(22) 15.06.2020	Japan	H04H 60/58
(54) METHODS AND APPARATUS FOR	Japan	(11) EP3343931
AMBIENT LIGHT SUPPRESSION WITH	(51) H04N 19/122	(21) EP17199449.4
SUBTRACTIVE IMAGE SENSOR	H04N 19/186	(47) 25.01.2023
(73) Photoneo S.R.O	H04N 19/70	(22) 17.07.2013
(72) ZIZKA, Jan	G06T 9/00	(54) LOGGING INDIVIDUALS FOR TV
KOVACOVSKY, Tomas	H04N 19/96	MEASUREMENT COMPLIANCE
MALY, Michal	H04N 19/119	(73) Google LLC
(31) 201962862374 P	(11) EP3843396	(72) ROWE, Simon Michael
(32) 17.06.2019	(21) EP21156343.2	ARINI, Nick Salvatore
(33) United States of America	(47) 25.01.2023	CHARLEBOIS, Owen
(51) H04N 7/18	(22) 14.09.2012	(31) 201213552561
(11) EP3758369	(54) IMAGE DECODING METHOD AND	(32) 18.07.2012
(21) EP19771786.1	IMAGE CODING AND DECODING	(33) United States of America
(47) 25.01.2023	METHOD	(51) H04N 21/4367
(87) CN2019079077	(73) Sun Patent Trust	G11B 20/00
26.09.2019	(72) TERADA, Kengo	H04N 21/4147
(22) 21.03.2019	NISHI, Takahiro	H04N 21/432
(54) MONITORING DEVICE, MONITORING	SHIBAHARA, Youji	H04N 21/433
BASE STATION, AND MONITORING	TANIKAWA, Kyoko	H04N 21/434
SYSTEM	SASAI, Hisao	H04N 21/4405
(73) Shenzhen NearbyExpress Technology	SUGIO, Toshiyasu	H04N 21/4627
Development Company Limited	MATSUNOBU, Toru	H04N 5/76
(72) CHEN, Wenlai	(31) 201161540048 P	H04N 21/44
(31) 201810240526	(32) 28.09.2011	H04N 21/4408
(32) 22.03.2018	(33) United States of America	H04N 5/913
(33) China	(51) H04N 19/52	(11) EP3700222
(51) H04N 13/207	(11) EP3179723	(21) EP18894655.2
H04N 5/262	(21) EP17153707.9	(47) 25.01.2023
H04N 5/232	(47) 25.01.2023	(87) CN2018124135
(11) EP3247108	(22) 06.09.2012	04.07.2019
(21) EP17170638.5	(54) METHOD FOR DERIVING A	(22) 27.12.2018
(47) 25.01.2023	TEMPORAL PREDICTIVE MOTION	

(54) VIDEO RECORDING METHOD AND DEVICE	COMPUTER PROGRAM PRODUCT AND DEVICE	(31) 201762599848 P
(73) Huawei Technologies Co. Ltd.	(73) Fondation B Com	17208087
(72) CHAKRABORTY, Chiranjib	(72) GUÉRIN, Alexandre	(32) 18.12.2017
LUO, Huamin	(31) 1872951	18.12.2017
WANG, Zhitao	(32) 14.12.2018	(33) United States of America
LI, Ning	(33) France	European Patent Office (EPO)
(31) 201711490252	(51) H04R 3/00	(51) H04W 4/00
(32) 29.12.2017	H04R 3/04	(11) EP3276905
(33) China	H04R 29/00	(21) EP16180940.5
(51) H04N 21/472	(11) EP3744111	(47) 25.01.2023
G06F 3/16	(21) EP19763318.3	(22) 25.07.2016
G10L 15/00	(47) 25.01.2023	(54) SYSTEM FOR AUDIO
H04N 21/235	(87) KR2019002741	COMMUNICATION USING LTE
H04N 21/435	12.09.2019	(73) GN Audio A/S
H04N 21/439	(22) 08.03.2019	(72) KAMSTRUP, Lisa Rørbaek
H04N 21/442	(54) ENERGY LIMITER FOR	(51) H04W 4/021
G10L 15/22	LOUDSPEAKER PROTECTION	H04W 8/18
H04N 21/422	(73) Samsung Electronics Co., Ltd.	H04W 4/90
H04N 21/4722	(72) BRUNET, Pascal M.	H04W 84/08
H04N 21/6587	KUBOTA, Glenn S.	H04W 88/06
H04N 21/845	(31) 201816224604	(11) EP3942848
H04N 21/8547	201862640448 P	(21) EP20719270.9
(11) EP3780641	(32) 18.12.2018	(47) 25.01.2023
(21) EP19776202.4	08.03.2018	(87) US2020023385
(47) 25.01.2023	(33) United States of America	24.09.2020
(87) JP2019010147	United States of America	(22) 18.03.2020
03.10.2019	(51) H04R 3/04	(54) DYNAMICALLY ALLOWING A GUEST
(22) 13.03.2019	G10L 21/0388	DEVICE TO A JOIN A PRIVATE CBRS
(54) INFORMATION PROCESSING DEVICE,	G10H 1/00	NETWORK
INFORMATION PROCESSING	(11) EP3915274	(73) Motorola Solutions, Inc.
METHOD, TRANSMISSION DEVICE	(21) EP19794461.4	(72) MAKHLOUF, Isam R.
AND TRANSMISSION METHOD	(47) 25.01.2023	CHEN, Ethan Y.
(73) Sony Group Corporation	(87) EP2019078553	PATIBANDLA, Badarinath
(72) TSURU, Takumi	29.04.2021	WIATROWSKI, David G.
(31) 2018059345	(22) 21.10.2019	(31) 201916360974
(32) 27.03.2018	(54) APPARATUS FOR PROCESSING AN	(32) 21.03.2019
(33) Japan	AUDIO SIGNAL	(33) United States of America
(51) H04R 1/22	(73) ASK Industries GmbH	(51) H04W 4/12
H04R 19/00	(72) SELLA, Benjamin	H04L 5/00
H04R 17/00	(51) H04R 25/00	H04L 5/14
H04R 19/02	H04R 1/10	H04W 72/00
H04R 17/10	(11) EP3429231	H04W 72/12
H04R 3/12	(21) EP17181173.0	(11) EP3833062
(11) EP3764659	(47) 25.01.2023	(21) EP18929286.5
(21) EP20180421.8	(22) 13.07.2017	(47) 25.01.2023
(47) 25.01.2023	(54) HEARING DEVICE INCLUDING	(87) CN2018100095
(22) 17.06.2020	A VIBRATION PREVENTING	13.02.2020
(54) SOUND PRODUCING DEVICE	ARRANGEMENT	(22) 10.08.2018
(73) xMEMS Labs, Inc.	(73) Sonion Nederland B.V.	(54) RESOURCE ALLOCATION METHOD
(72) Liang, Jemm Yue	(72) de Ruijter, Laurens	AND DEVICE IN TDD SYSTEM
Chen, Lei	Stoffels, Nicolaas Maria Jozef	(73) HUAWEI TECHNOLOGIES CO., LTD.
(31) 202016817567	Brouwer, Theodorus Gerardus Maria	(72) YU, Zheng
201962871157 P	(51) H04S 7/00	BI, Wenping
(32) 12.03.2020	(11) EP3729830	ZHAO, Yue
07.07.2019	(21) EP18816153.3	CHENG, Xingqing
(33) United States of America	(47) 25.01.2023	(51) H04W 4/38
United States of America	(87) EP2018085639	H04W 4/70
(51) H04R 3/00	27.06.2019	H04W 4/80
(11) EP3895446	(22) 18.12.2018	H04M 1/72415
(21) EP19816809.8	(54) METHOD AND SYSTEM FOR	(11) EP3085060
(47) 25.01.2023	HANDLING LOCAL TRANSITIONS	(21) EP14825262.0
(87) EP2019085175	BETWEEN LISTENING POSITIONS IN A	(47) 25.01.2023
18.06.2020	VIRTUAL REALITY ENVIRONMENT	(87) EP2014003214
(22) 13.12.2019	(73) Dolby International AB	25.06.2015
(54) METHOD FOR INTERPOLATING A	(72) TERENTIV, Leon	(22) 03.12.2014
SOUND FIELD AND CORRESPONDING	FERSCH, Christof	(54) METHOD FOR MANAGING
	FISCHER, Daniel	OPERATION OF A PLURALITY OF
		ACTUATORS

(73) Belimo Holding AG	(22) 09.07.2019	H04W 4/00
(72) SCHMIDLIN, Peter	(54) CONTROL METHOD FOR USER	H04W 4/02
THUILLARD, Marc	EQUIPMENT, AND USER EQUIPMENT	H04W 4/70
MEIER, Kurt	FOR MCG FAILURE PROCESSING	H04W 68/00
RONER, Daniel	(73) Sharp Kabushiki Kaisha	(11) EP3723401
(31) 20882013	FG INNOVATION COMPANY LIMITED	(21) EP19216973.8
(32) 17.12.2013	(72) ZHANG, Chongming	(47) 25.01.2023
(33) Switzerland	LIU, Renmao	(22) 30.06.2015
(51) H04W 4/40	YAMADA, Shohei	(54) APPARATUS AND METHOD FOR
H04L 67/12	(31) 201810754064	PAGING ENHANCEMENTS FOR LOW
H04L 69/08	(32) 10.07.2018	COMPLEXITY USER EQUIPMENT
H04W 84/00	(33) China	(73) Apple Inc.
H04L 67/51	(51) H04W 4/80	(72) TARRADELL, Marta Martinez
(11) EP3751873	H04W 84/20	BURBIDGE, Richard
(21) EP20169526.9	H04L 65/1069	HEO, Youn Hyoung
(47) 25.01.2023	(11) EP3793160	SIROTKIN, Alexander
(22) 15.04.2020	(21) EP19196955.9	JAIN, Puneet
(54) INTERWORKING SYSTEM AND	(47) 25.01.2023	PHUYAL, Umesh
OPERATION IN V2X APPLICATIONS	(22) 12.09.2019	(31) 201462020318 P
(73) BlackBerry Limited	(54) WIRELESS PERIPHERALS	(32) 02.07.2014
(72) RUSSELL, Nicholas James	COMMUNICATION	(33) United States of America
YOUNG, Gordon Peter	(73) Catena Holding bv	(51) H04W 12/04
McCann, Stephen	(72) WEINANS, Geert Henrik	H04L 9/40
(31) 201916437874	(51) H04W 8/00	(11) EP3182666
(32) 11.06.2019	H04W 48/16	(21) EP15003586.3
(33) United States of America	(11) EP3332592	(47) 25.01.2023
(51) H04W 4/40	(21) EP16833380.5	(22) 16.12.2015
H04W 72/12	(47) 25.01.2023	(54) SECURE TRANSMISSION OF LOCAL
H04W 72/10	(87) KR2016008662	PRIVATE ENCODING DATA
H04W 72/08	09.02.2017	(73) Materna Virtual Solution GmbH
H04W 72/04	(22) 05.08.2016	(72) Högemann, Thomas
H04W 72/02	(54) METHOD AND APPARATUS FOR	Hausen, Doris
H04L 1/18	PERFORMING INTER-CARRIER D2D	Schmidberger, Frank
(11) EP3735079	COMMUNICATION	(51) H04W 12/106
(21) EP17936313.0	(73) Samsung Electronics Co., Ltd.	H04L 9/08
(47) 25.01.2023	(72) AGIWAL, Anil	H04L 9/32
(87) CN2017119137	RYU, Hyun-Seok	H04L 9/40
04.07.2019	CHANG, Young-Bin	(11) EP3485671
(22) 27.12.2017	(31) 1118KO2015	(21) EP17728175.5
(54) METHOD AND DEVICE FOR	861KO2015	(47) 25.01.2023
INFORMATION FEEDBACK, AND	(32) 29.10.2015	(87) EP2017063454
COMPUTER STORAGE MEDIUM	06.08.2015	25.01.2018
(73) GUANGDONG OPPO MOBILE	(33) India	(22) 02.06.2017
TELECOMMUNICATIONS CORP., LTD.	India	(54) SECURITY OF CIPHERING AND
(72) TANG, Hai	(51) H04W 8/12	INTEGRITY PROTECTION
LIN, Huei-Ming	H04W 48/18	(73) Telefonaktiebolaget LM Ericsson (publ)
(51) H04W 4/44	H04W 8/02	(72) TORVINEN, Vesa
G05D 1/00	H04W 60/00	WIFVESSON, Monica
G05D 1/02	H04W 84/04	WASS, Mikael
(11) EP3772226	(11) EP3603137	JOHANSSON, Nicklas
(21) EP19189108.4	(21) EP18846643.7	MONRAD, Atle
(47) 25.01.2023	(47) 25.01.2023	REN, Gang
(22) 30.07.2019	(87) KR2018009333	(31) PCT/CN2016/090265
(54) METHODS, COMPUTER PROGRAMS,	21.02.2019	(32) 18.07.2016
AND APPARATUSES FOR A	(22) 14.08.2018	(33) World Intellectual Property Office (WIPO)
COMMAND CENTER AND A VEHICLE	(54) METHOD FOR CAPABILITY	(51) H04W 12/12
(73) Volkswagen AG	NEGOTIATION AND SLICE	H04W 12/06
(72) Pfadler, Andreas	INFORMATION MAPPING BETWEEN	H04W 12/122
Jornod, Guillaume	NETWORK AND TERMINAL IN 5G	H04W 12/069
(51) H04W 4/50	SYSTEM	H04L 9/40
H04W 76/19	(73) Samsung Electronics Co., Ltd.	(11) EP3782347
H04W 76/15	(72) LEE, Hoyeon	(21) EP19726484.9
H04W 80/02	KIM, Sunghoon	(47) 25.01.2023
(11) EP3823411	SON, Jungje	(87) IB2019053042
(21) EP19834170.3	(31) 20170103089	24.10.2019
(47) 25.01.2023	(32) 14.08.2017	(22) 12.04.2019
(87) CN2019095232	(33) Korea (Republic)	(54) METHOD FOR SECURE HANDLING OF
16.01.2020	(51) H04W 8/24	EARLY DATA TRANSMISSION

(73) Telefonaktiebolaget LM Ericsson (publ)	(87) CN2016109951	(31) 201862631423 P
(72) PHAM VAN, Dung	21.06.2018	(32) 15.02.2018
STATTIN, Magnus	(22) 14.12.2016	(33) United States of America
(31) 201862658560 P	(54) TRANSMISSION METHODS AND	(51) H04W 28/14
(32) 16.04.2018	DEVICE	H04W 28/02
(33) United States of America	(73) GUANGDONG OPPO MOBILE	(11) EP3410773
(51) H04W 12/50	TELECOMMUNICATIONS CORP., LTD.	(21) EP16887752.0
(11) EP3167586	(72) LIN, Yanan	(47) 25.01.2023
(21) EP14795759.1	(51) H04W 28/02	(87) CN2016109884
(47) 25.01.2023	H04W 28/26	03.08.2017
(87) US2014062472	H04W 72/08	(22) 14.12.2016
14.01.2016	H04W 28/24	(54) METHOD, DEVICE AND SYSTEM
(22) 27.10.2014	(11) EP3993490	FOR REALIZING MOBILE EDGE
(54) IMPROVED DEVICE PAIRING TAKING	(21) EP21214951.2	COMPUTING SERVICE
INTO ACCOUNT AT LEAST ONE	(47) 25.01.2023	(73) ZTE Corporation
CONDITION	(22) 10.08.2018	(72) GAO, Yin
(73) Ascensia Diabetes Care Holdings AG	(54) METHOD AND DEVICE FOR	(31) 201610061663
(72) FU, Qiang	OPERATING AND CONTROLLING	(32) 28.01.2016
MARKOVIC, Alexander	DATA FLOW	(33) China
MILENKOVIC, Vladislav	(73) Samsung Electronics Co., Ltd.	(51) H04W 36/00
(31) 201462021690 P	(72) Ke, Xiaowan	H04W 36/04
(32) 07.07.2014	Wang, Hong	H04W 36/28
(33) United States of America	Xu, Lixiang	(11) EP3337235
(51) H04W 12/69	(31) 201710682280	(21) EP17178686.6
H04L 9/40	(32) 10.08.2017	(47) 25.01.2023
H04W 12/00	(33) China	(22) 15.07.2013
H04W 12/02	(51) H04W 28/02	(54) A NODE AND A METHOD FOR
(11) EP3928483	H04W 76/50	PROVIDING AN INTERFACE BETWEEN
(21) EP19832151.5	H04W 48/06	ENHANCED NODE BS (ENBS).
(47) 25.01.2023	H04W 4/90	(73) Telefonaktiebolaget LM Ericsson (publ)
(87) EP2019087055	(11) EP2809102	(72) CENTONZA, Angelo
03.06.2021	(21) EP13741031.2	WALLENTIN, Pontus
(22) 27.12.2019	(47) 25.01.2023	GUNNARSSON, Fredrik
(54) DEVICE AND METHOD FOR THE	(87) KR2013000667	JOHANSSON, Niklas
UNAMBIGUOUS IDENTIFICATION OF	01.08.2013	WAGER, Stefan
WI-FI DEVICES	(22) 28.01.2013	TEYEB, Oumer
(73) Aoife Solutions, S.L.	(54) METHOD AND APPARATUS FOR	(31) 201261678772 P
(72) AGUILERA BONET, Pablo	EFFICIENTLY CONTROLLING ACCESS	(32) 02.08.2012
GONZÁLEZ GARRIDO, José Ayub	FOR SYSTEM LOAD ADJUSTMENT IN	(33) United States of America
DELGADO ALFONSO, José Antonio	MOBILE COMMUNICATION SYSTEMS	(51) H04W 36/00
(31) 201931047	(73) Samsung Electronics Co., Ltd.	H04W 48/20
(32) 27.11.2019	(72) KIM, Sang Bum	H04W 52/02
(33) Spain	JEONG, Kyeong In	H04W 76/27
(51) H04W 28/00	KIM, Soeng Hun	H04W 36/30
H04L 5/00	(31) 201261595646 P	H04W 68/02
H04W 72/00	201261591385 P	H04W 76/19
H04W 72/12	(32) 06.02.2012	H04W 76/32
(11) EP3665937	27.01.2012	(11) EP3747213
(21) EP18762673.4	(33) United States of America	(21) EP19782014.5
(47) 25.01.2023	United States of America	(47) 25.01.2023
(87) US2018045747	(51) H04W 28/02	(87) KR2019004074
14.02.2019	H04W 80/02	10.10.2019
(22) 08.08.2018	(11) EP3753284	(22) 05.04.2019
(54) DYNAMIC PRIORITIZATION FOR	(21) EP19706490.0	(54) METHOD AND APPARATUS FOR
DELAY-SENSITIVE SERVICES	(47) 25.01.2023	OPERATING PROTOCOL LAYER
(73) Qualcomm Incorporated	(87) EP2019053824	OF TERMINAL IN INACTIVE MODE
(72) HE, Linhai	22.08.2019	IN NEXT-GENERATION MOBILE
(31) 201816057680	(22) 15.02.2019	COMMUNICATION SYSTEM
201762544338 P	(54) METHODS PROVIDING QFI	(73) Samsung Electronics Co., Ltd.
(32) 07.08.2018	HARMONIZATION BETWEEN RAN	(72) KIM, Donggun
11.08.2017	AND 5GC AND RELATED WIRELESS	KIM, Soenghun
(33) United States of America	TERMINALS, BASE STATIONS, AND	JUNG, Sangyeob
United States of America	CORE NETWORK NODES	SAYENKO, Alexander
(51) H04W 28/00	(73) Telefonaktiebolaget LM Ericsson (publ)	(31) 20180057345
H04W 72/02	(72) KAINULAINEN, Jani-Pekka	20180039846
(11) EP3554122	TIMNER, Ylva	(32) 18.05.2018
(21) EP16924208.8	ENBUSKE, Henrik	05.04.2018
(47) 25.01.2023	SCHLIWA-BERTLING, Paul	(33) Korea (Republic)

Korea (Republic)	(54) METHOD AND SYSTEM FOR	YOON, Sukhyon
(51) H04W 36/06	CONTROLLING ACCESS FOR A USER	(31) 20180114510
H04L 1/18	EQUIPMENT TO A LOCAL DEVICE	20180093428
H04W 88/08	(73) Koninklijke KPN N.V.	(32) 22.09.2018
(11) EP3598797	Nederlandse Organisatie voor toegepast-	09.08.2018
(21) EP18766862.9	natuurwetenschappelijk onderzoek TNO	(33) Korea (Republic)
(47) 25.01.2023	(72) SCHENK, Michael	Korea (Republic)
(87) CN2018078826	NORP, Antonius	(51) H04W 52/34
20.09.2018	DE KIEVIT, Sander	H04J 1/00
(22) 13.03.2018	ALMODÓVAR CHICO, José	H04J 13/00
(54) METHOD AND DEVICE FOR DATA	SCHILT, Gerrit	H04W 16/28
TRANSMISSION, AND COMPUTER	(31) 15202800	H04W 72/12
STORAGE MEDIUM	(32) 28.12.2015	H04W 74/08
(73) ZTE Corporation	(33) European Patent Office (EPO)	H04W 84/12
(72) LIU, Zhuang	(51) H04W 48/14	(11) EP3742826
GAO, Yin	H04W 74/00	(21) EP20185875.0
HUANG, He	H04W 74/08	(47) 25.01.2023
LIU, Yang	H04W 72/04	(22) 03.08.2015
(31) 201710147146	(11) EP3806562	(54) COMMUNICATION APPARATUS AND
(32) 13.03.2017	(21) EP19815312.4	COMMUNICATION METHOD
(33) China	(47) 25.01.2023	(73) Sony Group Corporation
(51) H04W 36/08	(87) CN2019090293	(72) Itagaki, Takeshi
H04W 36/24	12.12.2019	Yamaura, Tomoya
H04W 36/14	(22) 06.06.2019	Morioka, Yuichi
H04W 36/36	(54) METHOD OF SYSTEM INFORMATION	(31) 2014219223
H04W 36/00	TRANSMISSIONS AND USER	(32) 28.10.2014
(11) EP3726881	EQUIPMENT	(33) Japan
(21) EP17936422.9	(73) Sharp Kabushiki Kaisha	(51) H04W 52/38
(47) 25.01.2023	FG INNOVATION COMPANY LIMITED	H04W 52/34
(87) CN2017118292	(72) CHANG, Ningjuan	H04W 48/16
04.07.2019	XIAO, Fangying	H04W 8/00
(22) 25.12.2017	LIU, Renmao	H04W 52/50
(54) NOTIFICATION METHOD FOR	(31) 201810585298	H04W 52/36
RELEASING TERMINAL CONTEXT	(32) 07.06.2018	(11) EP3739973
AND NETWORK DEVICE	(33) China	(21) EP20156767.4
(73) GUANGDONG OPPO MOBILE	(51) H04W 52/02	(47) 25.01.2023
TELECOMMUNICATIONS CORP., LTD.	(11) EP3589031	(22) 11.02.2020
(72) LIU, Jianhua	(21) EP17897262.6	(54) DYNAMIC MULTI-CHANNEL POWER
(51) H04W 36/08	(47) 25.01.2023	MANAGEMENT FOR NEIGHBOUR
H04W 72/04	(87) CN2017093586	DISCOVERY
(11) EP3711362	30.08.2018	(73) L3Harris Technologies, Inc.
(21) EP17934782.8	(22) 19.07.2017	(72) Hirz, Philip M.
(47) 25.01.2023	(54) COMMUNICATION METHOD AND	Kenney, Brent
(87) CN2017115654	APPARATUS FOR WIRELESS	Giallorenzi, Thomas R.
20.06.2019	LOCAL AREA NETWORK, AND	Reimann, Matthew J.
(22) 12.12.2017	COMMUNICATION TERMINAL	Newbold, Patrick L.
(54) METHODS FOR MOBILITY LATENCY	(73) Meizu Technology Co., Ltd.	(31) 201916412045
REDUCTION IN A HIERARCHICAL NR	(72) DONG, Xiangdong	(32) 14.05.2019
ARCHITECTURE	(31) 201710103895	(33) United States of America
(73) HUAWEI TECHNOLOGIES CO., LTD.	(32) 24.02.2017	(51) H04W 56/00
(72) ZOU, Jialin	(33) China	(11) EP3777386
GENG, Tingting	(51) H04W 52/02	(21) EP18917858.5
YAN, Le	H04W 68/02	(47) 25.01.2023
ZENG, Qinghai	H04W 8/24	(87) CN2018086307
LIU, Yalin	(11) EP3742820	14.11.2019
(51) H04W 48/04	(21) EP19848045.1	(22) 10.05.2018
H04W 4/02	(47) 25.01.2023	(54) CELLULAR REPORTING TECHNIQUES
H04W 12/08	(87) KR2019010159	FOR SYNCHRONIZATION STATE
H04W 88/16	13.02.2020	CHANGES
H04W 92/18	(22) 09.08.2019	(73) Apple Inc.
H04W 12/63	(54) METHOD FOR TRANSMITTING/	(72) XU, Fangli
(11) EP3398376	RECEIVING SIGNAL IN WIRELESS	ZHANG, Dawei
(21) EP16826057.8	COMMUNICATION SYSTEM, AND	HU, Haijing
(47) 25.01.2023	DEVICE THEREFOR	CHEN, Yuqin
(87) EP2016082563	(73) LG Electronics Inc.	(51) H04W 56/00
06.07.2017	(72) HWANG, Seunggye	(11) EP3745786
(22) 23.12.2016	PARK, Changhwan	(21) EP20180059.6
	AHN, Joonkui	(47) 25.01.2023

(22) 18.12.2008	02.10.2017	(72) TANG, Hai
(54) SYSTEM AND METHOD FOR UPLINK TIMING SYNCHRONIZATION	12.09.2017	(51) H04W 72/00
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	11.09.2017	H04W 28/08
(72) CAI, Zhijun	07.08.2017	H04W 88/08
WOMACK, James	16.06.2017	(11) EP3787355
JIA, Yongkang	05.05.2017	(21) EP19840541.7
(31) 1540107	(33) United States of America	(47) 25.01.2023
(32) 20.12.2007	United States of America	(87) CN2019091125
(33) United States of America	United States of America	30.01.2020
(51) H04W 56/00	United States of America	(22) 13.06.2019
H04J 11/00	United States of America	(54) LOAD BALANCING BETWEEN CU AND DU ON A CELL GRANULARITY
H04L 27/26	United States of America	(73) ZTE Corporation
H04L 5/00	United States of America	(72) YUAN, Xiaxiang
(11) EP4009719	United States of America	ZHANG, Wei
(21) EP22153041.3	United States of America	(31) 201810821251
(47) 25.01.2023	United States of America	(32) 24.07.2018
(22) 30.04.2018	United States of America	(33) China
(54) EFFICIENT UTILIZATION OF SSBS IN NEW RADIO SYSTEMS	(51) H04W 68/00	(51) H04W 72/04
(73) Sony Group Corporation	(11) EP3379872	(11) EP3498026
(72) Pan, Kyle Jung-Lin	(21) EP15910548.5	(21) EP17838758.5
Xi, Fengjun	(47) 25.01.2023	(47) 25.01.2023
Stern-Berkowitz, Janet A.	(87) CN2015097733	(87) CN2017096780
(31) 201762543119 P	22.06.2017	15.02.2018
201762519532 P	(22) 17.12.2015	(22) 10.08.2017
201762500901 P	(54) METHODS AND APPARATUSES FOR TRANSMITTING DOWNLINK DATA NOTIFICATION MESSAGE	(54) CELL LEVEL ISOLATION FOR NETWORK SLICING AND NETWORK SHARING
(32) 09.08.2017	(73) Huawei Technologies Co., Ltd.	(73) QUALCOMM Incorporated
14.06.2017	(72) CAO, Longyu	(72) HORN, Gavin Bernard
03.05.2017	SHU, Lin	ZHU, Xipeng
(33) United States of America	ZHANG, Yanping	CHEN, Wanshi
United States of America	(51) H04W 68/00	KITAZOE, Masato
United States of America	H04L 5/00	KUBOTA, Keiichi
(51) H04W 56/00	(11) EP3569011	(31) PCT/CN2016/094861
H04L 5/00	(21) EP17816800.1	(32) 12.08.2016
(11) EP3616454	(47) 25.01.2023	(33) World Intellectual Property Office (WIPO)
(21) EP18795056.3	(87) EP2017082858	(51) H04W 72/04
(47) 25.01.2023	19.07.2018	H04L 5/00
(87) CN2018085483	(22) 14.12.2017	(11) EP3506694
08.11.2018	(54) TRANSMISSION OF UPLINK REFERENCE SIGNALLING ACCORDING TO DIFFERENT UPLINK REFERENCE SIGNALLING CONFIGURATIONS	(21) EP16920639.8
(22) 03.05.2018	(73) Sony Group Corporation	(47) 25.01.2023
(54) TRACKING REFERENCE SIGNAL AND FRAMEWORK THEREOF IN MOBILE COMMUNICATIONS	(72) MARTIN, Brian Alexander	(87) CN2016104443
(73) Mediatek Inc.	WONG, Shin Horng	11.05.2018
(72) CHUANG, Chiao-Yao	BEALE, Martin Warwick	(22) 03.11.2016
LIN, Song-Jheng	WEI, Yuxin	(54) SIGNAL TRANSMISSION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE
DU, Jianxuan	SHARMA, Vivek	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
YEH, Yen-Hui	TSUDA, Shinichiro	(72) LIN, Yanan
(31) 201815969510	WAKABAYASHI, Hideji	XU, Hua
201762587633 P	BERGGREN, Anders	(51) H04W 72/04
201762570682 P	(31) 17151167	H04L 5/00
201762568941 P	(32) 12.01.2017	H04L 5/14
201762567412 P	(33) European Patent Office (EPO)	(11) EP3005809
201762566773 P	(51) H04W 68/02	(21) EP14805108.9
201762566769 P	(11) EP3720206	(47) 25.01.2023
201762557196 P	(21) EP17933349.7	(87) KR2014004736
201762556552 P	(47) 25.01.2023	04.12.2014
201762541823 P	(87) CN2017114296	(22) 27.05.2014
201762520623 P	06.06.2019	(54) METHOD FOR ALLOCATING RESOURCE FOR DEVICE FOR WIRELESS COMMUNICATION AND BASE STATION FOR SAME
201762501931 P	(22) 01.12.2017	(73) Taissa Research LLC
(32) 02.05.2018	(54) METHODS AND DEVICES FOR DETERMINING PAGING TIME	(72) KIM, Kitae
17.11.2017	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	CHUNG, Jaehoon
11.10.2017		
06.10.2017		
03.10.2017		
02.10.2017		

KIM, Jinmin	(51) H04W 72/08	WONG, Shin Horng
(31) 201361827735 P	H04W 52/24	(31) 18166205
(32) 27.05.2013	H04W 52/14	(32) 06.04.2018
(33) United States of America	H04W 52/42	(33) European Patent Office (EPO)
(51) H04W 72/04	(11) EP3648530	(51) H04W 74/08
H04W 72/12	(21) EP17928417.9	(11) EP3811717
(11) EP3618523	(47) 25.01.2023	(21) EP19735418.6
(21) EP17921226.1	(87) CN2017106076	(47) 25.01.2023
(47) 25.01.2023	18.04.2019	(87) SE2019050560
(87) CN2017097170	(22) 13.10.2017	26.12.2019
14.02.2019	(54) DATA TRANSMISSION METHODS AND	(22) 14.06.2019
(22) 11.08.2017	TERMINAL DEVICE	(54) WIRELESS DEVICE AND METHOD
(54) DATA PROCESSING METHOD AND	(73) GUANGDONG OPPO MOBILE	PERFORMED THEREBY FOR
RELATED DEVICE	TELECOMMUNICATIONS CORP., LTD.	HANDLING ACCESS TO A CELL
(73) GUANGDONG OPPO MOBILE	(72) YANG, Ning	(73) Telefonaktiebolaget LM Ericsson (publ)
TELECOMMUNICATIONS CORP., LTD.	ZHANG, Zhi	(72) WANG, Min
(72) TANG, Hai	(51) H04W 72/12	CHRISTOFFERSSON, Jan
(51) H04W 72/04	H04W 52/36	(31) 201862687816 P
H04W 92/18	H04W 52/38	(32) 21.06.2018
H04L 5/00	H04W 52/26	(33) United States of America
(11) EP3579633	H04W 72/02	(51) H04W 74/08
(21) EP18747339.2	(11) EP3863357	(11) EP3311620
(47) 25.01.2023	(21) EP19879879.5	(21) EP15750732.8
(87) KR2018001613	(47) 25.01.2023	(47) 25.01.2023
09.08.2018	(87) CN2019087092	(87) EP2015068673
(22) 06.02.2018	07.05.2020	16.02.2017
(54) METHOD FOR PERFORMING	(22) 15.05.2019	(22) 13.08.2015
SIDELINK COMMUNICATION IN	(54) DATA TRANSMISSION METHOD AND	(54) TRANSMITTER AND RECEIVER FOR A
WIRELESS COMMUNICATION SYSTEM	TERMINAL DEVICE	WIRELESS COMMUNICATION SYSTEM
AND DEVICE THEREFOR	(73) GUANGDONG OPPO MOBILE	(73) Huawei Technologies Co., Ltd.
(73) LG Electronics Inc.	TELECOMMUNICATIONS CORP., LTD.	(72) WANG, Fan
(72) KIM, Myoungseob	(72) ZHAO, Zhenshan	BERGGREN, Fredrik
SEO, Hanbyul	LIN, Huei-Ming	(51) H04W 76/14
LEE, Seungmin	LU, Qianxi	H04W 72/04
CHAE, Hyukjin	(31) PCT/CN2018/113444	H04W 28/04
(31) 201762500548 P	(32) 01.11.2018	H04W 28/18
201762476002 P	(33) World Intellectual Property Office (WIPO)	H04W 4/80
201762459618 P	(51) H04W 72/12	H04W 84/20
201762454949 P	H04W 72/02	(11) EP3909386
(32) 03.05.2017	H04W 72/10	(21) EP20767159.5
24.03.2017	(11) EP3716717	(47) 25.01.2023
16.02.2017	(21) EP17936935.0	(87) KR2020002952
06.02.2017	(47) 25.01.2023	10.09.2020
(33) United States of America	(87) CN2017118885	(22) 02.03.2020
United States of America	04.07.2019	(54) ELECTRONIC DEVICE FOR
United States of America	(22) 27.12.2017	TRANSMITTING RESPONSE
United States of America	(54) DATA SENDING METHOD AND	MESSAGE IN BLUETOOTH NETWORK
(51) H04W 72/08	APPARATUS, COMPUTER DEVICE	ENVIRONMENT AND METHOD FOR
H04L 5/00	AND STORAGE MEDIUM	THE SAME
H04W 72/04	(73) GUANGDONG OPPO MOBILE	(73) Samsung Electronics Co., Ltd.
(11) EP2702819	TELECOMMUNICATIONS CORP., LTD.	(72) CHEONG, Gupil
(21) EP12776463.7	(72) LIN, Yanan	PEREZ PUEYO, Jesus Manuel
(47) 25.01.2023	SHI, Cong	SHIN, Soohye
(87) KR2012003364	(51) H04W 74/00	LEE, Sangho
01.11.2012	H04B 1/7143	KIM, Gibeom
(22) 30.04.2012	H04W 72/04	BAE, Yunsik
(54) APPARATUS AND METHOD OF	H04W 74/04	CHOI, Sungjun
RESOURCE ALLOCATION FOR DATA	(11) EP3777425	HAN, Euibum
AND CONTROL CHANNELS IN A	(21) EP19712813.5	KANG, Doosuk
WIRELESS COMMUNICATION SYSTEM	(47) 25.01.2023	(31) 20190025336
(73) Samsung Electronics Co., Ltd.	(87) EP2019058076	(32) 05.03.2019
(72) KIM, Young Bum	10.10.2019	(33) Korea (Republic)
SHAN, Cheng	(22) 29.03.2019	(51) H04W 76/14
KIM, Youn Sun	(54) METHODS, INFRASTRUCTURE	H04W 76/11
CLERCKX, Bruno	EQUIPMENT AND COMMUNICATIONS	H04W 4/40
(31) 201161480809 P	DEVICE	H04W 4/70
(32) 29.04.2011	(73) Sony Group Corporation	H04W 80/02
(33) United States of America	(72) BEALE, Martin Warwick	H04W 80/12

H04W 84/00	(47) 25.01.2023	(32) 27.09.2012
H04W 92/18	(87) CN2018108223	(33) United States of America
(11) EP3942896	02.04.2020	(51) H05B 3/40
(21) EP20794955.3	(22) 28.09.2018	A24F 40/20
(47) 25.01.2023	(54) INFORMATION TRANSMISSION	A24F 40/485
(87) KR2020005394	METHOD AND APPARATUS, AND	(11) EP3986090
29.10.2020	TERMINAL AND NETWORK DEVICE	(21) EP21213838.2
(22) 23.04.2020	(73) GUANGDONG OPPO MOBILE	(47) 25.01.2023
(54) APPARATUS AND METHOD	TELECOMMUNICATIONS CORP., LTD.	(22) 12.05.2017
FOR PROVIDING DIRECT	(72) WANG, Shukun	(54) APPARATUS FOR HEATING
COMMUNICATION SERVICES IN	LIU, Jianhua	SMOKABLE MATERIAL
WIRELESS COMMUNICATION SYSTEM	YANG, Ning	(73) Nicoventures Trading Limited
(73) Samsung Electronics Co., Ltd.	(51) H04W 80/02	(72) THORSEN, Mitchel
(72) LEE, Hoyeon	H04W 76/12	MEHNERT, John
KIM, Sunghoon	(11) EP3949346	(31) 201662336205 P
JUNG, Sangyeob	(21) EP20716194.4	(32) 13.05.2016
(31) 20190051783	(47) 25.01.2023	(33) United States of America
20190047280	(87) IB2020052336	(51) H05B 3/50
(32) 02.05.2019	01.10.2020	B60H 1/22
23.04.2019	(22) 13.03.2020	F24H 3/04
(33) Korea (Republic)	(54) CELLULAR COMMUNICATIONS	F24H 9/18
Korea (Republic)	SYSTEM SUPPORT FOR VIRTUAL	F24H 9/1818
(51) H04W 76/15	ETHERNET BRIDGE MANAGEMENT	F24H 9/1863
H04W 36/28	(73) Telefonaktiebolaget LM Ericsson (publ)	(11) EP3843502
H04W 80/02	(72) MIKLÓS, György	(21) EP20213131.4
H04W 72/00	FARKAS, János	(47) 25.01.2023
H04W 76/19	HARMATOS, János	(22) 10.12.2020
H04W 76/20	VARGA, Balázs	(54) ELECTRIC HEATING DEVICE
H04W 76/11	(31) 201962824346 P	(73) Eberspächer catem GmbH & Co. KG
(11) EP3081035	(32) 27.03.2019	(72) Niederer, Michael
(21) EP14869913.5	(33) United States of America	(31) 102019220591
(47) 25.01.2023	(51) H04W 84/04	(32) 27.12.2019
(87) JP2014006149	(11) EP3672354	(33) Germany
18.06.2015	(21) EP19219170.8	(51) H05B 6/10
(22) 09.12.2014	(47) 25.01.2023	H05B 6/36
(54) METHOD, USER EQUIPMENT AND	(22) 20.12.2019	A24F 40/465
COMPUTER-READABLE MEDIUM FOR	(54) METHOD FOR RECONFIGURING A	A24F 40/20
MULTI-CONNECTIVITY OPERATION	SYSTEM COMPRISING A PRIVATE	A24D 1/20
(73) GUANGDONG OPPO MOBILE	MOBILE RADIO COMMUNICATION	(11) EP3656233
TELECOMMUNICATIONS CORP., LTD.	NETWORK INFRASTRUCTURE,	(21) EP19216472.1
(72) YAMADA, Shohei	ASSOCIATED COMPUTER PROGRAM	(47) 25.01.2023
(31) 201314106583	AND SYSTEM COMPRISING	(22) 26.10.2016
(32) 13.12.2013	A PRIVATE MOBILE RADIO	(54) APPARATUS FOR HEATING
(33) United States of America	COMMUNICATION NETWORK	SMOKABLE MATERIAL
(51) H04W 76/19	INFRASTRUCTURE	(73) Nicoventures Trading Limited
H04W 36/30	(73) BULL SAS	(72) KAUFMAN, Duane A.
(11) EP3925401	(72) PISON, Laurent	WILKE, Andrew P.
(21) EP20706859.4	RAFFENOUX, Didier	BLANDINO, Thomas P.
(47) 25.01.2023	(31) 1874028	FRATER, James J.
(87) SE2020050133	(32) 21.12.2018	ROBEY, Raymond J.
20.08.2020	(33) France	(31) 201514927529
(22) 11.02.2020	(51) H04W 88/02	(32) 30.10.2015
(54) USER EQUIPMENT, RADIO	B60R 16/02	(33) United States of America
NETWORK NODE AND METHODS	B60R 16/037	(51) H05B 6/12
FOR MANAGING RECOVERY	H04M 1/725	(11) EP3962239
PROCEDURES THEREIN	H04M 1/72415	(21) EP21187854.1
(73) Telefonaktiebolaget LM Ericsson (publ)	G08C 17/02	(47) 25.01.2023
(72) BELLESCHI, Marco	(11) EP3509388	(22) 27.07.2021
KARLSSON, Robert	(21) EP19159218.7	(54) AN INDUCTION HEATING COOKER
CHRISTOFFERSSON, Jan	(47) 25.01.2023	WITH IMPROVED COOLING
RUNE, Johan	(22) 26.09.2013	PERFORMANCE
WANG, Min	(54) DEVICE, METHOD, AND SYSTEM	(73) Arçelik Anonim Sirketi
(31) 201962804791 P	FOR PORTABLE CONFIGURATION OF	(72) ONAL, Mustafa
(32) 13.02.2019	VEHICLE CONTROLS	OFLUGIL, İlhan
(33) United States of America	(73) Intel Corporation	TAN, Oguz
(51) H04W 76/27	(72) MORGAN, Dennis	BEYTER, Engin
(11) EP3826405	ROSS, Alan	KURT, Ahmet
(21) EP18934826.1	(31) 201213629119	(31) 202013716

(32) 31.08.2020	(51) H05B 47/19	STORCK, Karl-Otto
(33) Turkey	H05B 47/10	TRUTWIG, Leonhard
(51) H05B 45/375	G08C 23/04	RICKE, Melanie
(11) EP3758450	(11) EP3236717	HELLMOLD, Jan-Hendrik
(21) EP20181535.4	(21) EP17167294.2	(31) 102019109940
(47) 25.01.2023	(47) 25.01.2023	(32) 15.04.2019
(22) 23.06.2020	(22) 20.04.2017	(33) Germany
(54) POWER SUPPLY SYSTEM WITH CURRENT COMPENSATION	(54) METHOD, DEVICE AND SYSTEM FOR CONTROLLING SMART LIGHT	(51) H05H 1/24
(73) Macroblock, Inc.	(73) Beijing Xiaomi Mobile Software Co., Ltd.	A61N 1/44
(72) CHIANG, Ting-Ta	(72) FU, Qiang	A61L 2/14
CHEN, Kuan-Yu	JIA, Weiguang	(11) EP3659406
(31) 108122920	HOU, Enxing	(21) EP18745576.1
(32) 28.06.2019	(31) 201610248690	(47) 25.01.2023
(33) Taiwan, Chinese Taipei	(32) 20.04.2016	(87) EP2018069929
(51) H05B 47/10	(33) China	31.01.2019
H05B 41/24	(51) H05B 47/19	(22) 23.07.2018
H03L 7/00	H05B 47/105	(54) ELECTRODE ARRAY FOR A DIELECTRICALLY IMPEDED PLASMA TREATMENT
(11) EP2783553	H05B 47/18	(73) Cinogy GmbH
(21) EP12798646.1	H04L 69/08	(72) WANDKE, Dirk
(47) 25.01.2023	H04L 69/18	HAHN, Mirko
(87) EP2012073292	H04L 12/66	STORCK, Karl-Otto
30.05.2013	(11) EP3769589	TRUTWIG, Leonhard
(22) 22.11.2012	(21) EP19721222.8	RICKE, Melanie
(54) RF-SYSTEM FOR HIGH-FREQUENCY LAMP	(47) 25.01.2023	(31) 102017116800
(73) MACOM Technology Solutions Holdings, Inc.	(87) EP2019060021	(32) 25.07.2017
(72) HEUERMANN, Holger	31.10.2019	(33) Germany
SADEGHFAM, Arash	(22) 17.04.2019	(51) H05H 1/46
(31) 102011055624	(54) COMMUNICATION MODULE FOR A LAMP OPERATING UNIT	H01J 37/32
(32) 23.11.2011	(73) Tridonic GmbH & Co. KG	(11) EP3391715
(33) Germany	(72) LOCHMANN, Frank	(21) EP16815918.4
(51) H05B 47/13	PIOSKE, Jan	(47) 25.01.2023
H05B 47/19	REBHANDL, Philip	(87) GB2016053938
(11) EP3664584	(31) 202018102367 U	22.06.2017
(21) EP19214055.6	(32) 27.04.2018	(22) 14.12.2016
(47) 25.01.2023	(33) Germany	(54) APPARATUS AND METHOD FOR PLASMA SYNTHESIS OF CARBON NANOTUBES
(22) 06.12.2019	(51) H05G 1/24	(73) Levidian Nanosystems Limited
(54) AUTOMATICALLY SWITCHING LIGHT SYSTEM FOR A BUILDING WITH OPTIONAL ATTACHMENT TO AN LMS OR BMS SYSTEM FOR ANALYSIS AND CONTROL PURPOSES	H05G 1/54	(72) PAUKNER, Catharina
(73) Siteco GmbH	H05G 1/36	KURZEPA, Lukasz
(72) Bornemann, Lars	(11) EP3843509	KOZIOL, Krzysztof Kazimierz
König, Christian	(21) EP20214788.0	(31) 201522106
(31) 102019105206	(47) 25.01.2023	(32) 15.12.2015
102018009603	(22) 17.12.2020	(33) United Kingdom
(32) 01.03.2019	(15) X-RAY GENERATOR	(51) H05K 1/02
06.12.2018	(73) Vatech Co., Ltd.	F28D 15/02
(33) Germany	Vatech Ewoo Holdings Co. Ltd.	H05K 7/20
Germany	(72) Shin, Seung Hun	F28F 21/08
(51) H05B 47/18	(31) 20200143124	(11) EP3182045
(11) EP3123831	20190176499	(21) EP15199813.5
(21) EP15712868.7	(32) 30.10.2020	(47) 25.01.2023
(47) 25.01.2023	27.12.2019	(22) 14.12.2015
(87) EP2015056245	(33) Korea (Republic)	(54) COMPONENT CARRIER WITH EMBEDDED HEAT PIPE AND METHOD OF MANUFACTURING
01.10.2015	Korea (Republic)	(73) AT & S Austria Technologie & Systemtechnik Aktiengesellschaft
(22) 24.03.2015	(51) H05H 1/24	(72) Silvano De Sousa, Jonathan
(54) METHOD FOR PUTTING A LIGHTING SYSTEM INTO OPERATION	(11) EP3957137	Reitmaier, Bernhard
(73) Zumtobel Lighting GmbH	(21) EP20720761.4	Polic, Michael
(72) WERNER, Walter	(47) 25.01.2023	Maringer, Gerhard
(31) 102014205443	(87) EP2020060447	(51) H05K 1/02
(32) 24.03.2014	22.10.2020	H02M 1/12
(33) Germany	(22) 14.04.2020	H02M 7/00
	(54) TREATMENT ASSEMBLY FOR TREATING THE SURFACE OF A BODY WITH A DIELECTRIC BARRIER DISCHARGE PLASMA	H02J 7/02
	(73) Cinogy GmbH	(11) EP3718379
	(72) WANDKE, Dirk	
	HAHN, Mirko	

(21) EP18800174.7	G01N 3/60	(73) Audi AG
(47) 25.01.2023	G01R 31/71	Hitachi Energy Switzerland AG
(87) EP2018080976	G06F 30/23	(72) GRADINGER, Thomas
06.06.2019	(11) EP3914054	BAUMANN, David
(22) 12.11.2018	(21) EP19910360.7	LIU, Chunlei
(54) FILTERING ELECTRONIC CIRCUIT, CURRENT CHARGER COMPRISING SUCH A CIRCUIT AND AUTOMOBILE VEHICLE EQUIPPED WITH SUCH A CURRENT CHARGER	(47) 25.01.2023	TORRESIN, Daniele
(73) Renault s.a.s	(87) JP2019001505	(31) 102019202903
(72) SAKR, Nadim	23.07.2020	(32) 04.03.2019
DIOUF, Fatou	(22) 18.01.2019	(33) Germany
GHEONJIAN, Anna	(54) LIFE PREDICTION MEANS FOR SOLDER JOINT, AND LIFE PREDICTION METHOD FOR SOLDER JOINT	(51) H05K 7/20
(31) 1761551	(73) MITSUBISHI ELECTRIC CORPORATION	G09F 9/33
(32) 01.12.2017	(72) SAEKI, Takuya	(11) EP3784011
(33) France	(51) H05K 5/00	(21) EP20191010.6
(51) H05K 1/02	H04B 1/08	(47) 25.01.2023
H05K 3/42	H04M 1/18	(22) 13.08.2020
(11) EP3570645	H05K 5/06	(54) HEAT DISSIPATION STRUCTURE OF DOOR LEAF OF LED DISPLAY BOX
(21) EP18172796.7	G06F 1/16	(73) Shenzhen Chip Optech Co. Ltd.
(47) 25.01.2023	H04M 1/02	(72) Wu, Xiaogang
(22) 17.05.2018	H04M 1/03	(31) 201910773869
(54) COMPONENT CARRIER WITH ONLY PARTIALLY FILLED THERMAL THROUGH-HOLE	(11) EP3780919	(32) 21.08.2019
(73) AT & S Austria Technologie & Systemtechnik Aktiengesellschaft	(21) EP18918089.6	(33) China
(72) Lutschounig, Ferdinand	(47) 25.01.2023	(51) H05K 9/00
Liebfahrt, Sabine	(87) CN2018086584	H04N 5/225
Grober, Gernot	14.11.2019	(11) EP3799550
Matt, Florian	(22) 11.05.2018	(21) EP20184933.8
(51) H05K 1/18	(54) HOUSING ASSEMBLY AND TERMINAL	(47) 25.01.2023
B32B 3/08	(73) HUAWEI TECHNOLOGIES CO., LTD.	(22) 09.07.2020
B32B 3/30	(72) LI, Shizhe	(54) CAMERA MODULE AND ELECTRONIC DEVICE INCLUDING THE SAME
B32B 5/24	LU, Hanwen	(73) Samsung Electronics Co., Ltd.
B32B 7/06	DAI, Xiaotao	(72) KWON, Kihyun
B32B 7/12	LAN, Youying	LEE, Seunghak
B32B 9/04	ZHU, Tong	LIM, Jihyung
B32B 15/08	(51) H05K 7/14	(31) 20190119822
B32B 15/14	(11) EP3962252	(32) 27.09.2019
B32B 15/20	(21) EP20315399.4	(33) Korea (Republic)
B32B 27/06	(47) 25.01.2023	(51) H05K 13/02
B32B 27/08	(22) 31.08.2020	H05K 13/08
B32B 27/12	(54) RACK SYSTEM AND METHOD FOR POSITIONING A DATA CENTER RACK	(11) EP2874481
B32B 27/28	(73) OVH	(21) EP12881079.3
B32B 27/32	(72) Klab, Henryk	(47) 25.01.2023
B32B 27/34	Bonenfant, Jules Hermann	(87) JP2012067981
B32B 27/38	Cartigny, Valentin	16.01.2014
C09J 7/22	(51) H05K 7/14	(22) 13.07.2012
B23B 27/00	H05K 7/18	(54) COMPONENT MOUNTING SYSTEM
C09J 7/00	(11) EP3962251	(73) FUJI Corporation
H05K 3/46	(21) EP20315398.6	(72) KAWAI, Hidetoshi
(11) EP3340752	(47) 25.01.2023	AMANO, Masafumi
(21) EP16206288.9	(22) 31.08.2020	OTA, Katsushi
(47) 25.01.2023	(54) RACK FOR A DATA CENTER	ASADA, Kazuhiro
(22) 22.12.2016	(73) OVH	KUNIHIRO, Tsutomu
(54) METHOD USING AN AIR PERMEABLE TEMPORARY CARRIER TAPE FOR EMBEDDING COMPONENT IN COMPONENT CARRIER	(72) Klab, Henryk	(51) H05K 13/04
(73) AT & S Austria Technologie & Systemtechnik Aktiengesellschaft	Bonenfant, Jules Hermann	H05K 13/08
(72) Ifis, Abderrazzaq	Cartigny, Valentin	(11) EP3576512
Schrittwieser, Wolfgang	(51) H05K 7/20	(21) EP17893575.5
Baftiri, Artan	(11) EP3935927	(47) 25.01.2023
(51) H05K 3/34	(21) EP20709142.2	(87) JP2017003216
B23K 1/00	(47) 25.01.2023	02.08.2018
	(87) EP2020055141	(22) 30.01.2017
	10.09.2020	(54) COMPONENT MOUNTING MACHINE
	(22) 27.02.2020	(73) Fuji Corporation
	(54) ELECTRONIC CONVERTER DESIGNED ON THE BASIS OF WELDING TECHNOLOGIES	(72) YOKOI, Yuta
		OIKE, Hiroshi
		KOBAYASHI, Takahiro
		ONO, Keichi

EP3

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

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

(51) A01C 1/04 D04H 1/46 D04H 1/413 B32B 5/08 B32B 5/26 B32B 5/02	(11) EP3534712 (21) EP17867592.2 (22) 25.10.2017 (54) ANTIMICROBIAL AGENT FOR COATINGS AND FINISHES	DE BORST, Roelof Cornelis MINZONI, Mirko GAMBS, Céline LESUFFLEUR, Céline
(11) EP3720263 (21) EP19853045.3 (22) 23.08.2019 (54) A MACHINE AND A METHOD OF PRODUCING BIODEGRADABLE NONWOVEN TEXTILE COMPRISING SEEDS	(73) SWIMC LLC (72) BARICOS, Cynthia, D. DONLON, Jacob, S. GELLING, Victoria, J. (74) ir. W.J.J.M. Kempes (31) 201662417193 P (32) 03.11.2016 (33) United States of America (47) 28.12.2022	(74) dr. W.A.H.M. Van Borm (31) 18216001 (32) 31.12.2018 (33) European Patent Office (EPO) (47) 21.12.2022
(73) Yilmaz, Håkan Isak (72) Yilmaz, Håkan Isak (74) ir. W.J.J.M. Kempes (31) 1851015 (32) 24.08.2018 (33) Sweden (47) 02.11.2022	(51) A23C 9/16 B65D 85/804 A23P 10/20 A23P 10/40 (11) EP3541193 (21) EP17798187.5 (22) 13.11.2017 (54) PROCESS FOR PREPARING A PARTICULATE DAIRY COMPOSITION	(51) A24F 40/40 A24F 40/70 A24F 40/10 (11) EP3801082 (21) EP19726683.6 (22) 24.05.2019 (54) MOULDED CARTRIDGE AND METHOD FOR MANUFACTURING THE CARTRIDGE
(51) A01K 1/01 A01K 1/015 (11) EP3429339 (21) EP17715518.1 (22) 14.03.2017 (54) SYSTEM FOR COLLECTING EXCREMENT FALLING ON THE FLOOR OF AN ANIMAL HOUSE, FOR EXAMPLE A STALL	(73) FrieslandCampina Nederland B.V. (72) ANTON ANTON, Ivan LINDQVIST, Anders, Erik, Ingmar VAN SEEVENTER, Paul, Bastiaan (74) ir. W.J.J.M. Kempes (31) 16198976 (32) 15.11.2016 (33) European Patent Office (EPO) (47) 09.11.2022	(73) Philip Morris Products S.A. (72) COURBAT, Jerome Christian MIRONOV, Oleg STURA, Enrico (74) dr. W.A.H.M. Van Borm (31) 18174380 (32) 25.05.2018 (33) European Patent Office (EPO) (47) 21.12.2022
(73) Bioret Agri-Logette Confort (72) BIORET, Jean-Vincent DAUBELCOUR, Yannick (74) J.M.H. Duyver lic. (31) 1652168 (32) 15.03.2016 (33) France (47) 26.10.2022	(51) A23K 20/189 A23K 10/14 (11) EP3344063 (21) EP16763154.8 (22) 30.08.2016 (54) METHODS OF INCREASING FAT SOLUBLE VITAMIN UPTAKE IN FEED	(51) A24F 40/465 A24F 40/50 A24F 40/20 (11) EP3760063 (21) EP19184556.9 (22) 04.07.2019 (54) METHOD OF OPERATING INDUCTIVELY HEATED AEROSOL-GENERATING SYSTEM
(51) A01M 7/00 (11) EP3485728 (21) EP18401090.8 (22) 02.11.2018 (54) AGRICULTURAL DISTRIBUTOR	(73) DuPont Nutrition Biosciences ApS (72) AWATI, Ajay AMERAH, Ahmed (74) ir. W.J.J.M. Kempes (31) 201562213045 P (32) 01.09.2015 (33) United States of America (47) 02.11.2022	(73) Philip Morris Products S.A. (72) COURBAT, Jerome Christian MIRONOV, Oleg STURA, Enrico (74) dr. W.A.H.M. Van Borm (47) 14.12.2022
(73) Amazonen-Werke H. Dreyer SE & Co. KG (72) Klemann, Timo Kiefer, Stefan Austermann, Stefan Heer, Jochen (74) ir. W.J.J.M. Kempes (31) 102017126351 (32) 10.11.2017 (33) Germany (47) 21.12.2022	(51) A24B 3/14 A24D 1/20 (11) EP3905896 (21) EP19832156.4 (22) 30.12.2019 (54) AEROSOL-GENERATING ARTICLE HAVING ROD COMPRISING TOBACCO MATERIAL WITH FORMED FLUID PASSAGEWAYS	(51) A24F 40/50 A24F 40/20 (11) EP3784071 (21) EP19718412.0 (22) 23.04.2019 (54) AN AEROSOL-GENERATING DEVICE HAVING TEMPERATURE-BASED CONTROL
(51) A01N 59/16 A01N 25/02 A01N 25/08 C09D 5/02 C09J 11/04	(73) Philip Morris Products, S.A. (72) COUDERC, Gaetan JARRIAULT, Marine	(73) Philip Morris Products S.A. (72) UTHURRY, Jerome (74) dr. W.A.H.M. Van Borm (31) 18168846 (32) 23.04.2018 (33) European Patent Office (EPO) (47) 21.12.2022
		(51) A43C 11/00 A47F 8/00

A43B 3/16	(54) COFFEE MACHINE	(22) 25.05.2017
A43B 3/24	(73) Schaerer AG	(54) OVERDRIVE PREVENTION FOR
A47B 91/00	(72) Sinzig, Peter	EXPANDABLE ANCHOR
A63H 3/52	Aeberhard, Bruno	(73) Medos International Sàrl
(11) EP3854248	Lienhard, Andy	(72) WHITTAKER, Gregory R.
(21) EP19861773.0	Kissling, Franco	SENGUN, Mehmet Z.
(22) 17.09.2019	Pinto da Costa, Miguel Alexandre	(74) dr. R.C. van Duijvenbode c.s.
(54) FLEXIBLE MANNEQUIN SHOES AND	(74) dr. R.C. van Duijvenbode c.s.	(31) 201615164307
METHOD FOR MANUFACTURING	(31) 3212016	(32) 25.05.2016
SAME	(32) 11.03.2016	(33) United States of America
(73) Jung, Hyunju	(33) Switzerland	(47) 21.12.2022
(72) Jung, Hyunju	(47) 23.11.2022	(51) A61B 17/072
(74) dr. W.A.H.M. Van Borm	(51) A47J 43/08	A61B 17/00
(31) 20180112357	(11) EP3854278	A61B 17/29
(32) 19.09.2018	(21) EP21161888.9	(11) EP3442441
(33) Korea (Republic)	(22) 03.12.2014	(21) EP17720338.7
(47) 19.10.2022	(54) STAND MIXERS	(22) 12.04.2017
(51) A44C 21/00	(73) Kenwood Limited	(54) SURGICAL STAPLER HAVING A
C21D 1/42	(72) JAYS, Nick	POWERED HANDLE
C25D 5/50	EDEN, Roland	(73) Applied Medical Resources Corporation
C22F 1/10	(74) ir. F.A. Geurts c.s.	(72) SCHOBBER, Joshua, M.
H05B 6/10	(31) 201321291	REED, Christina, N.
(11) EP3082492	(32) 03.12.2013	MCCARTHY, Andrew, J.
(21) EP14872004.8	(33) United Kingdom	PHAM, Andy
(22) 22.12.2014	(47) 09.11.2022	DECKER, Steven, E.
(54) NICKEL PLATED ZINC ALLOYS FOR	(51) A61B 1/00	ZIMMERMAN, Scott
COINAGE	A61M 25/10	HUDSON, Kevin
(73) Artazn LLC	(11) EP3445220	BECERRA, Matthew, M.
(72) RAUCH, William, L.	(21) EP17722926.7	(74) ir. H.A. Witmans c.s.
DELSORBO, Carl, R.	(22) 19.04.2017	(31) 201662321629 P
BEETS, Randy	(54) WEEPING BALLOON DEVICES	(32) 12.04.2016
(74) ir. A. Blokland c.s.	(73) Boston Scientific Scimed, Inc.	(33) United States of America
(31) 201361919364 P	Mayo Foundation for Medical Education	(47) 21.12.2022
(32) 20.12.2013	and Research	(51) A61B 17/22
(33) United States of America	(72) ANDERSON, James M.	A61M 1/00
(47) 09.11.2022	RAAB, David	A61M 5/00
(51) A47G 23/16	GROVENDER, Adam David	A61M 5/142
G01F 23/00	MCGOWAN, Roger W.	A61M 5/145
(11) EP3434151	(74) ir. A.R. Aalbers	A61M 25/00
(21) EP17182881.7	(31) 201662324424 P	A61B 17/32
(22) 24.07.2017	(32) 19.04.2016	(11) EP3439561
(54) SMART BOTTLE	(33) United States of America	(21) EP17779837.8
(73) Riprup Company S.A.	(47) 02.11.2022	(22) 06.04.2017
(72) Schucker, Josef	(51) A61B 5/369	(54) SYSTEMS FOR THROMBOLYSIS AND
Bissen, Monique	A61B 5/316	DELIVERY OF AN AGENT
(74) ir. W.J.J.M. Kempes	A61B 5/00	(73) Walk Vascular, LLC
(47) 19.10.2022	G16H 15/00	(72) CULBERT, Bradley S.
(51) A47J 31/44	(11) EP3043696	LOOK, David M.
(11) EP3681355	(21) EP14777976.3	MALLABY, Mark
(21) EP18770012.5	(22) 12.09.2014	(74) ir. W.J.J.M. Kempes
(22) 14.09.2018	(54) SYSTEMS AND METHODS FOR	(31) 201715480354
(54) SYSTEM FOR AERATING A LIQUID	IMPROVED BRAIN MONITORING	201662318972 P
FOOD PRODUCT, AND A METHOD	DURING GENERAL ANESTHESIA AND	(32) 05.04.2017
FOR PREPARING A LIQUID FOOD	SEDATION	06.04.2016
PRODUCT	(73) The General Hospital Corporation	(33) United States of America
(73) FrieslandCampina Nederland B.V.	(72) PURDON, Patrick L.	United States of America
(72) VAN DRUTEN, Wiebe Nicolaas	BROWN, Emery N.	(47) 02.11.2022
BOTMAN, Maarten Joannes	JOHNSON-AKEJU, Oluwaseun	(51) A61B 90/00
(74) ir. W.J.J.M. Kempes	(74) dr. ir. G.J.C. Verdijck c.s.	A61M 25/01
(31) 17191326	(31) 201361877800 P	(11) EP3154466
(32) 15.09.2017	(32) 13.09.2013	(21) EP15733825.2
(33) European Patent Office (EPO)	(33) United States of America	(22) 12.06.2015
(47) 02.11.2022	(47) 02.11.2022	(54) ROBOTIZED MODULE FOR GUIDING
(51) A47J 31/44	(51) A61B 17/04	AN ELONGATE FLEXIBLE MEDICAL
A47J 31/46	A61F 2/08	DEVICE
(11) EP3878324	A61B 90/00	(73) Robocath
(21) EP21170384.8	(11) EP3248548	(72) DESTREBECQ, Fabien
(22) 09.03.2017	(21) EP17172946.0	MARIGNIER, Jacques

FOURNIER, Bruno	(11) EP3545944	(32) 06.03.2015
DEBOEUF, Sébastien	(21) EP17874163.3	10.10.2014
OUALI, Inès	(22) 27.11.2017	28.03.2014
BENCTEUX, Philippe	(54) WRINKLE AMELIORATING AGENT	(33) United States of America
(74) dr. R.C. van Duijvenbode c.s.	(73) Pola Chemical Industries Inc.	United States of America
(31) 1455330	(72) SAITOH, Yuko	United States of America
(32) 12.06.2014	SHONO, Michiko	(47) 18.01.2023
(33) France	MORI, Yasuhito	(51) A61K 31/496
(47) 23.11.2022	(74) J.M.H. Duyver lic.	A61K 31/191
(51) A61C 8/00	(31) 2016230134	A61K 31/28
(11) EP3248566	(32) 28.11.2016	A61K 31/7105
(21) EP17157582.2	(33) Japan	A61K 31/713
(22) 28.10.2009	(47) 28.12.2022	A61P 35/00
(54) ABUTMENT FOR A DENTAL IMPLANT, POST PART FOR A DENTAL IMPLANT AND DENTAL IMPLANT	(51) A61K 9/00	A61P 35/02
(73) Nobel Biocare Services AG	A61K 9/50	A61P 43/00
(72) Zipprich, Holger	A61K 31/40	G01N 33/574
(74) ir. W.J.J.M. Kempes	A61K 9/14	(11) EP2734199
(31) 102008054138	(11) EP3405173	(21) EP12817041.2
(32) 31.10.2008	(21) EP17703932.8	(22) 23.07.2012
(33) Germany	(22) 24.01.2017	(54) SYNTHETIC LETHALITY AND THE TREATMENT OF CANCER
(47) 30.11.2022	(54) PREPARATION OF MICRONIZED PARTICLES OF AN ANTIMUSCARINIC COMPOUND BY HYDRODYNAMIC CAVITATION	(73) Pacylex Pharmaceuticals Inc.
(51) A61C 13/01	(73) Chiesi Farmaceutici S.p.A.	(72) BERTHIAUME, Luc, G.
A61C 13/10	(72) DAVANZO, Stephen P	BEAUCHAMP, Erwan
B29C 64/40	NALL, Barry E	PERINPANAYAGAM, Conganige Maneka
B29C 71/00	ROUSE, Timothy J	Anne
B33Y 70/00	MIOZZI, Michele	YAP, Chuiyee
B33Y 80/00	(74) dr. R.C. van Duijvenbode c.s.	(31) 201161510686 P
A61C 13/00	(31) 16152461	(32) 22.07.2011
(11) EP3982870	(32) 22.01.2016	(33) United States of America
(21) EP20737641.9	(33) European Patent Office (EPO)	(47) 16.11.2022
(22) 12.06.2020	(47) 07.12.2022	(51) A61K 31/496
(54) ADDITIVELY MANUFACTURED DENTURE BASE WITH BRACING BODY	(51) A61K 9/00	A61P 25/18
(73) Dentsply Sirona Inc.	A61M 31/00	(11) EP3703695
(72) HASAN, Md, Abu	(11) EP3517099	(21) EP18806981.9
(74) ir. W.J.J.M. Kempes	(21) EP19158984.5	(22) 05.11.2018
(31) 201962862221 P	(22) 26.06.2015	(54) TREATMENT OF SCHIZOPHRENIA
(32) 17.06.2019	(54) INTRAVESICAL DRUG DELIVERY DEVICES AND METHODS INCLUDING ELASTIC POLYMER-DRUG MATRIX SYSTEMS	(73) PIERRE FABRE MEDICAMENT
(33) United States of America	(73) TARIS Biomedical LLC	(72) MUCCI, Armida
(47) 02.11.2022	(72) LEE, Heejin	TONNER, Françoise
(51) A61F 2/46	DANIEL, Karen	(74) ir. F.A. Geurts c.s.
(11) EP3630019	(74) dr. R.C. van Duijvenbode c.s.	(31) 201762581249 P
(21) EP18731315.0	(31) 201462017775 P	(32) 03.11.2017
(22) 25.05.2018	(32) 26.06.2014	(33) United States of America
(54) BONE MILL WITH AN ACCESSIBLE MILLING ELEMENT	(33) United States of America	(47) 21.12.2022
(73) Stryker Corporation	(47) 28.12.2022	(51) A61K 31/519
(72) BABARIS, Robin, B.W.	(51) A61K 31/137	A61K 9/16
ROY, Shammodip	A61K 45/06	A61K 9/20
ROLFSEN, Steven, M., Jr.	A61P 35/00	A61K 9/48
WROBLEWSKI, Jason, James	(11) EP3122426	A61K 47/38
HOFFMANN, Aaron	(21) EP15769394.6	A61P 19/06
NELSON, Derek, F.	(22) 28.03.2015	A61P 43/00
WALEN, James	(54) TREATING BREAST CANCER USING SELECTIVE ESTROGEN RECEPTOR MODULATORS	C07D 513/04
LAMBARTH, Clifford, Edwin	(73) Duke University	(11) EP3718548
(74) J.M.H. Duyver lic.	(72) NELSON, Erik, R.	(21) EP18882399.1
(31) 201762511590 P	WARDELL, Suzanne, E.	(22) 28.11.2018
(32) 26.05.2017	MCDONNELL, Donald, P.	(54) SOLID DISPERSION
(33) United States of America	(74) ir. H.A. Witmans c.s.	(73) Shizuoka Prefectural University
(47) 21.12.2022	(31) 201562129379 P	Corporation
(51) A61K 8/44	201414512061	Nippon Chemiphar Co., Ltd.
A61K 8/41	201461971627 P	(72) NOGUCHI Shuji
A61Q 19/08		HIRANO Masuharu
C07C 225/18		YAMAKAWA Tomio
C07C 229/36		ITAI Shigeru
		OHTA Takashi
		IWAO Yasunori
		(74) ir. H.A. Witmans c.s.
		(31) 2017227807

(32) 28.11.2017	(54) ADOPTIVE CELL TRANSFER AND	(54) ANTIBODY-DRUG CONJUGATES AND
(33) Japan	ONCOLYTIC VIRUS COMBINATION	THEIR USES FOR THE TREATMENT
(47) 26.10.2022	THERAPY	OF CANCER
(51) A61K 35/15	(73) McMaster University	(73) INATHERYS
C12N 5/0786	(72) WAN, Yonghong	(72) LAUNAY, Pierre
A61P 35/00	WALSH, Scott	SOUCHET, Hervé
(11) EP3810157	CHEN, Lan	BELANGER, Coralie
(21) EP19734724.8	SALEM, Omar	(74) dr. R.C. van Duijvenbode c.s.
(22) 20.06.2019	SIMOVIC, Boris	(31) 18305427
(54) SUPERNATANT OF COCULTURE	(74) ir. H.A. Witmans c.s.	(32) 10.04.2018
OF MACROPHAGES AND	(31) 201662354506 P	(33) European Patent Office (EPO)
IRRADIATED LEUCOCYTES FOR	(32) 24.06.2016	(47) 26.10.2022
USE FOR CONTROLLING TUMOR	(33) United States of America	(51) A61K 51/10
PROGRESSION OR RESTORE ANTI-	(47) 23.11.2022	A61P 35/00
TUMORAL IMMUNITY	(51) A61K 39/00	(11) EP3865155
(73) Med' Inn' Pharma	A61K 35/761	(21) EP20305138.8
(72) PERRUCHE, Sylvain	C12N 7/00	(22) 13.02.2020
BONNEFOY, Francis	C12N 15/86	(54) PROCESS FOR SITE-SPECIFIC
COUTURIER, Mélanie	(11) EP3768305	MODIFICATION OF AN ANTIBODY
(74) ir. H.A. Witmans c.s.	(21) EP19712178.3	(73) Orano Med
(31) 1800636	(22) 19.03.2019	(72) TORQUE, Julien
(32) 21.06.2018	(54) MODIFIED ONCOLYTIC	E. KIEFER, Garry
(33) France	ADENOVIRUSES	ROJAS-QUIJANO, Federico
(47) 02.11.2022	(73) Valo Therapeutics Oy	A. STALLONS, Tania
(51) A61K 38/04	(72) YLÖSMÄKI, Erko	(74) dr. R.C. van Duijvenbode c.s.
C07K 4/12	MARTINS, Beatriz	(47) 30.11.2022
A61K 8/64	PRIHA, Petri	(51) A61L 2/24
A61Q 19/08	PESONEN, Sari	(11) EP3052144
A61P 21/00	RANKI, Tuuli	(21) EP13774389.4
A61P 25/28	CERULLO, Vincenzo	(22) 03.10.2013
C07K 5/11	(74) dr. A. Krebs	(54) SYSTEM FOR WASHING,
C07K 7/06	(31) 201814867	DISINFECTING AND/OR STERILIZING
(11) EP3758730	201804473	MEDICAL, DENTAL, LABORATORY
(21) EP19707004.8	(32) 13.09.2018	AND/OR PHARMACEUTICAL GOODS
(22) 22.02.2019	21.03.2018	(73) Getinge Sterilization AB
(54) PEPTIDES AND COMPOSITIONS FOR	(33) United Kingdom	(72) NORLIN, Per
USE IN COSMETICS AND MEDICINE	United Kingdom	PETERSSON, Anna
(73) Lipotruue, S.L.	(47) 30.11.2022	(74) dr. R.C. van Duijvenbode c.s.
(72) SILVIA, Pastor	(51) A61K 39/00	(47) 16.11.2022
CARULLA, Patricia	C12P 21/08	(51) A61L 27/06
ESCUADERO, Juan Carlos	C07K 16/00	A61L 27/18
DEVESA GINER, Isabel	A61P 35/00	A61L 27/30
GRAU-CAMPISTANY, Ariadna	(11) EP3485903	A61L 27/44
BORAS, Julia A.	(21) EP18197338.9	A61L 27/50
FERNANDEZ BALLESTER, Gregorio	(22) 24.09.2012	A61L 27/54
(74) dr. R.C. van Duijvenbode c.s.	(54) VEGF/DLL4 BINDING AGENTS AND	C04B 35/58
(31) 18382126	USES THEREOF	C04B 35/597
18382118	(73) Mereo BioPharma 5, Inc.	C04B 35/599
(32) 28.02.2018	(72) GURNEY, Austin L.	(11) EP3606567
27.02.2018	SATO, Aaron Ken	(21) EP18774889.2
(33) European Patent Office (EPO)	BOND, Christopher John	(22) 23.01.2018
European Patent Office (EPO)	(31) 201261692978 P	(54) ANTIBACTERIAL BIOMEDICAL
(47) 02.11.2022	201261597409 P	IMPLANTS AND ASSOCIATED
(51) A61K 39/00	201161538454 P	MATERIALS, APPARATUS, AND
A61K 35/17	(32) 24.08.2012	METHODS
A61K 35/768	10.02.2012	(73) Sintx Technologies, Inc.
A61P 35/00	23.09.2011	(72) GRIMALDI, Nicholas
A61P 35/04	(33) United States of America	MCENTIRE, Bryan J.
A61P 37/02	United States of America	DAVIS, Kevin
C07K 16/28	United States of America	LAKSHMINARAYANAN, Ramaswamy
C12N 5/0783	(47) 16.11.2022	PEZOTTI, Giuseppe
C12N 7/01	(51) A61K 47/65	(31) 201715470637
A61K 35/15	A61K 47/68	(32) 27.03.2017
(11) EP3474888	A61P 35/00	(33) United States of America
(21) EP17814390.5	A61P 35/02	(47) 21.12.2022
(22) 23.06.2017	(11) EP3773738	(51) A61L 27/50
	(21) EP19715931.2	A61F 2/14
	(22) 09.04.2019	A61L 27/52

A61L 27/54	A61M 5/20	(32) 10.09.2014
A61L 27/16	A61M 5/48	(33) Hungary
A61L 27/18	A61M 5/00	(47) 12.10.2022
A61L 27/24	A61M 5/50	(51) A61M 16/04
(11) EP3509593	(11) EP3257534	(11) EP3838322
(21) EP17849503.2	(21) EP17180612.8	(21) EP19218923.1
(22) 07.09.2017	(22) 16.11.2009	(22) 20.12.2019
(54) ANTIMICROBIAL POLYMER FOR USE IN OPHTHALMIC IMPLANTS	(54) APPARATUS AND METHODS FOR FLUID PRESSURIZING UNITS OF INJECTION SYSTEMS	(54) SEALING CUFF FOR TRACHEAL TUBES
(73) KeraMed, Inc.	(73) Acist Medical Systems, Inc.	(73) HyperCuff GmbH
(72) SHIUUEY, Yichieh	(72) HIEB, Martin	(72) Göbel, Lothar
(74) ir. F.A. Geurts c.s.	(74) HAJICEK, David	(74) ir. W.J.J.M. Kempes
(31) 201615260251	NYSTROM, Sidney	(47) 09.11.2022
(32) 08.09.2016	(74) ir. W.J.J.M. Kempes	(51) A61M 16/06
(33) United States of America	(31) 324087	A61M 16/20
(47) 09.11.2022	(32) 26.11.2008	(11) EP3522966
(51) A61L 29/14	(33) United States of America	(21) EP17857947.0
A61M 25/00	(47) 02.11.2022	(22) 05.10.2017
(11) EP3793626	(51) A61M 11/00	(54) PATIENT INTERFACES
(21) EP19729963.9	A61M 15/00	(73) Fisher & Paykel Healthcare Limited
(22) 17.05.2019	(11) EP3612259	(72) WALLS, Bruce Michael
(54) METHODS OF MAKING SLEEVED HYDROPHILIC CATHETER ASSEMBLIES	(21) EP18722352.4	PATEL, Roheet
(73) Hollister Incorporated	(22) 17.04.2018	COX, Michael John Henri
(72) GREYNOLDS, Robert A.	(54) UNIT DOSE DRY POWDER INHALER	BETTERIDGE, Max Leon
MURRAY, Michael G.	(73) Respira Therapeutics, Inc.	LEAHY, Ronan
FOLEY, Adam J.	(72) DONOVAN, Martin J.	PEDERSEN, Matthew James
MEANEY, Richard	WEERS, Jeffery	LIM, Jae Yun
HUTCHINSON, Ryan	HANNON, James	(74) ir. W.J.J.M. Kempes
MCDERMOTT, John Joe	DEATON, Dan	(31) 201662413604 P
WEIR, Charlotte	CURTIS, Robert	201662413280 P
CISKO, George J.	LYONS, Shirley	201662404341 P
O'MALLEY, Shane	(74) J.M.H. Duyver lic.	(32) 27.10.2016
BRUGGEMAN, Martin	(31) 201762486183 P	26.10.2016
PANESAR, Satwinder S.	(32) 17.04.2017	05.10.2016
MONTES DE OCA, Horacio	(33) United States of America	(33) United States of America
FARRELL, David J.	(47) 09.11.2022	United States of America
BOLAND, Patrick	(51) A61M 11/04	United States of America
HENEGHAN, Brendan J.	A61M 16/00	(47) 30.11.2022
BIGGINS, Damien	A24F 40/42	(51) A61M 16/08
AUGUSTYN, Christina	A24F 40/485	A61M 16/10
(74) ir. W.J.J.M. Kempes	A24F 40/465	A61M 16/16
(31) 201962842318 P	A61M 15/06	(11) EP3888728
201962821268 P	(11) EP3876763	(21) EP21160820.3
201962821284 P	(21) EP19835943.2	(22) 07.07.2015
201862770275 P	(22) 05.11.2019	(54) MEDICAL TUBES AND CONNECTORS FOR GASES DELIVERY SYSTEMS
201862739449 P	(54) A CARTRIDGE FOR A VAPORIZER DEVICE	(73) Fisher & Paykel Healthcare Limited
201862699993 P	(73) Juul Labs, Inc.	(72) MUNKELT, Sven Andreas
201862672755 P	(72) STRATTON, Andrew, J.	POWELL, Kevin Blake
(32) 02.05.2019	(74) J.M.H. Duyver lic.	PRENTICE, Bhavna
20.03.2019	(31) 201862755965 P	PEIRIS, Telge Nishan Chaturanga
20.03.2019	(32) 05.11.2018	MOODY, Paul Joseph
21.11.2018	(33) United States of America	FYFE, Katie
01.10.2018	(47) 28.12.2022	(74) ir. W.J.J.M. Kempes
18.07.2018	(51) A61M 16/00	(31) 201562132780 P
17.05.2018	A61M 16/12	201462084259 P
(33) United States of America	(11) EP3258999	201462054559 P
United States of America	(21) EP15790644.7	201462021591 P
United States of America	(22) 10.09.2015	(32) 13.03.2015
United States of America	(54) DEVICE FOR ADJUSTMENT AND/ OR CONDITIONING OF THE CO2 CONTENT OF THE INHALED AIR	25.11.2014
United States of America	(73) Pomoziné Gyarmathy, Ágnes	24.09.2014
United States of America	(72) POMOZI, István	07.07.2014
United States of America	SZÁZ, Dénes	(33) United States of America
(47) 07.12.2022	(74) J.M.H. Duyver lic.	United States of America
(51) A61M 5/145	(31) P1400421	United States of America
A61M 5/315		(47) 26.10.2022
A61L 31/04		(51) A61M 16/14

A61M 16/16	(22) 27.11.2014	(54) APPARATUS TO CONTROL AN
(11) EP3598991	(54) DEVICE FOR THE TRANSCUTANEOUS	IMPLANT
(21) EP19183988.5	IMPLANTATION OF EPICARDIAL	(73) Nyxoah SA
(22) 02.07.2019	PACEMAKER ELECTRODES	(72) Mashlach, Adi
(54) LOW-FLOW OXYGEN THERAPY	(73) Deutsches Herzzentrum Berlin	Müller, Carsten
HUMIDIFIER AND METHOD	(72) BARTOSCH, Marco	(74) J.M.H. Duyver lic.
(73) Perma Pure, LLC	PETERS, Heiner	(31) 201261657424 P
(72) LEPKE, Steven	SCHMITT, Boris	201161541651 P
HYMAN, Eric	PETERS, Björn	(32) 08.06.2012
SUNADA, Craig	(74) ir. H.A. Witmans c.s.	30.09.2011
LIM, Wanchai	(31) 102013224283	(33) United States of America
INKROTE, Nate	(32) 27.11.2013	United States of America
LAMBERT, Vincent	(33) Germany	(47) 02.11.2022
BREYER, Wayne S.	(47) 19.10.2022	
(74) ir. H.A. Witmans c.s.	(51) A61N 1/36	(51) A61N 1/378
(31) 201816053531	(11) EP3503966	A61N 1/372
201862695661 P	(21) EP17761171.2	H02J 7/02
(32) 02.08.2018	(22) 23.08.2017	H02J 50/12
09.07.2018	(54) SYSTEM FOR NEUROMODULATION	H02J 50/80
(33) United States of America	COMPRISING ELECTRODES AND	H02J 50/90
United States of America	MEANS FOR DETERMINING AN	H04B 5/00
(47) 30.11.2022	ELECTRODE FRACTIONALIZATION	H02J 7/00
(51) A61M 25/00	(73) Boston Scientific Neuromodulation	(11) EP3808408
A61M 25/06	Corporation	(21) EP20204699.1
(11) EP3849646	(72) ZHANG, Tianhe	(22) 09.06.2017
(21) EP19773646.5	DOAN, Que T.	(54) EXTERNAL CHARGER FOR AN
(22) 10.09.2019	(74) ir. A.R. Aalbers	IMPLANTABLE MEDICAL DEVICE
(54) INTRODUCER WITH EXPANDABLE	(31) 201662379098 P	HAVING TWO SENSE COILS
CAPABILITIES	(32) 24.08.2016	CONCENTRIC WITH A CHARGING
(73) Boston Scientific Scimed, Inc.	(33) United States of America	COIL FOR DETERMINING POSITION
(72) GROVENDER, Adam David	(47) 09.11.2022	(73) Boston Scientific Neuromodulation
DYER, Gregory	(51) A61N 1/36	Corporation
KIRT, David Cory	A61N 1/372	(72) AGHASSIAN, Daniel
(74) ir. W.J.J.M. Kempes	A61N 1/05	STOUFFER, Thomas W.
(31) 201862731779 P	G16H 20/30	(74) ir. A.R. Aalbers
201862729238 P	G16H 40/63	(31) 201715616463
(32) 14.09.2018	(11) EP3503967	201662350451 P
10.09.2018	(21) EP17761402.1	(32) 07.06.2017
(33) United States of America	(22) 22.08.2017	15.06.2016
United States of America	(54) CUSTOMIZED TARGETED FIELDS FOR	(33) United States of America
(47) 26.10.2022	ELECTROTHERAPY APPLICATIONS	United States of America
(51) A61M 35/00	(73) Boston Scientific Neuromodulation	(47) 09.11.2022
A61F 2/86	Corporation	(51) A61P 35/00
A61F 2/95	(72) BRILL, Natalie A.	C12Q 1/68
A61B 17/12	KOTHANDARAMAN, Sridhar	C12N 9/18
A61B 1/012	MOFFITT, Michael A.	(11) EP3407977
A61B 1/267	GRANDHE, Sarvani	(21) EP17703216.6
A61B 17/00	ZHU, Changfang	(22) 30.01.2017
A61B 17/22	ZOTTOLA, Dennis	(54) DIAGNOSTIC AND PROGNOSTIC
(11) EP3295990	HERSHEY, Bradley Lawrence	METHODS FOR CANCER AND
(21) EP17191705.7	KASHYAP, Dheerendra Raghavendra	METASTATIC DISEASE, AND
(22) 16.11.2005	(74) ir. A.R. Aalbers	BIOMARKERS FOR THESE
(54) PULMONARY OCCLUSAL STENT	(31) 201662379730 P	CONDITIONS
DELIVERY CATHETER	(32) 25.08.2016	(73) Neuro-Bio Ltd
(73) Pulmonx	(33) United States of America	(72) PEPPER, Chris
(72) SOLTESZ, Peter P.	(47) 02.11.2022	GREENFIELD, Susan
KOTMEL, Robert	(51) A61N 1/375	TU, Henry
WONDKA, Anthony	A61B 5/00	MORRILL, Paul
MATOV, Nadia	A61N 1/378	FEGAN, Chris
CROWDER, Thomas	A61N 1/372	GARCIA-RATES, Sara
(74) ir. F.A. Geurts c.s.	A61N 1/05	(74) dr. A. Krebs
(31) 628856 P	A61B 5/11	(31) 201601585
(32) 16.11.2004	A61B 5/113	(32) 28.01.2016
(33) United States of America	A61F 5/56	(33) United Kingdom
(47) 09.11.2022	A61N 1/36	(47) 19.10.2022
(51) A61N 1/05	(11) EP3453424	(51) B01J 8/02
(11) EP3074083	(21) EP18201842.4	(11) EP3801866
(21) EP14815260.6	(22) 28.09.2012	(21) EP19728357.5
		(22) 27.05.2019

(54) USE OF A REACTOR FOR HEATING A GAS	(22) 29.10.2014	(33) United Kingdom
(73) Consejo Superior De Investigaciones Científicas	(54) ASSEMBLY COMPRISING A 3D MEASURING PROBE STYLUS AND A DEVICE FOR CLEANING THE STYLUS	(47) 09.11.2022
(72) ABANADES GARCÍA, Juan Carlos	(73) F.G.J. Lammertink Beheer B.V.	(51) B27N 3/04
(74) ir. W.J.J.M. Kempes	(72) SCHOPMAN, Gerhardus Hendrikus Albertus	B27N 3/12
(31) 18382362	(74) dr. ir. G.J.C. Verdijck c.s.	B27N 3/18
(32) 25.05.2018	(31) 2011710	B32B 5/28
(33) European Patent Office (EPO)	(32) 31.10.2013	B27N 1/00
(47) 26.10.2022	(33) Netherlands	B32B 21/02
(51) B01L 3/00	(47) 07.12.2022	B32B 21/04
(11) EP3708256	(51) B09B 5/00	B32B 21/06
(21) EP20167856.2	B03B 9/00	B32B 29/00
(22) 22.04.2016	B03B 9/06	B32B 37/00
(54) CONTACT-LESS PRIMING METHOD FOR LOADING A SOLUTION IN A MICROFLUIDIC DEVICE AND ASSOCIATED SYSTEM	(11) EP3856425	B32B 37/02
(73) Stilla Technologies	(21) EP19831923.8	B32B 37/06
(72) DANGLA, Rémi	(22) 26.09.2019	B32B 37/14
(74) dr. A. Krebs	(54) METHOD OF RECIRCLING AND ASSOCIATED COMPUTER PROGRAM	B32B 37/24
(31) 15164723	(73) Milgro Groep B.V.	E04B 1/86
(32) 22.04.2015	(72) HAGEMAN, Ruud	E04B 1/84
(33) European Patent Office (EPO)	(74) drs. P.A. van Essen c.s.	(11) EP3535100
(47) 30.11.2022	(31) 2021726	(21) EP17868317.3
(51) B05B 9/04	(32) 28.09.2018	(22) 04.11.2017
A01M 7/00	(33) Netherlands	(54) PROCESS FOR PRODUCING SMOOTH STRAND-BASED SIDING OR STRUCTURAL OSB PANELS USING SECONDARY PRESSING
B05B 12/14	(47) 02.11.2022	(73) Louisiana-Pacific Corporation
F04B 41/02	(51) B21D 28/34	(72) RITTER, David, C.
(11) EP3253495	(11) EP2999558	(74) dr. R.C. van Duijvenbode c.s.
(21) EP16707863.3	(21) EP14732056.8	(31) 201762554608 P
(22) 03.02.2016	(22) 20.05.2014	201662417485 P
(54) DISPENSING DEVICE FOR AGRICULTURAL SPRAYER	(54) PUNCH HOLDER AND PUNCH CONFIGURATIONS	(32) 06.09.2017
(73) Exel Industries	(73) Wilson Tool International Inc.	04.11.2016
(72) CARRA, Yves	(72) JOHNSTON, Kevin A.	(33) United States of America
(74) ir. W.J.J.M. Kempes	(74) J.M.H. Duyver lic.	United States of America
(31) 1550836	(31) 201313899399	(47) 21.12.2022
(32) 03.02.2015	(32) 21.05.2013	(51) B29B 17/00
(33) France	(33) United States of America	B29B 17/02
(47) 09.11.2022	(47) 02.11.2022	(11) EP3831566
(51) B06B 1/06	(51) B23Q 17/22	(21) EP18928302.1
H04R 17/00	G01B 21/04	(22) 01.08.2018
B81B 3/00	G05B 19/401	(54) METHOD FOR SEPARATING THE LAYERS OF MULTILAYER PLASTICS
H01L 41/09	(11) EP3446830	(73) Repetco Innovations S. L.
H01L 41/113	(21) EP17188015.6	(72) GARRIDO ESCUDERO, Amalio
H01L 41/187	(22) 25.08.2017	MARTÍNEZ GRACIA, Alexandra
G01N 29/24	(54) DEVICE AND METHOD FOR MEASURING A MACHINE TOOL	ESCUDERO MARÍN, Pedro Antonio
(11) EP3691293	(73) GILDEMEISTER Drehmaschinen GmbH	(74) J.M.H. Duyver lic.
(21) EP18861734.4	(72) Bassett, Edmond	(47) 19.10.2022
(22) 10.09.2018	Litwinski, Kai	(51) B29B 17/00
(54) ULTRASONIC SENSOR	Halm, Christian	B29B 17/04
(73) I-PEX Inc.	(74) dr. R.C. van Duijvenbode c.s.	B29C 48/00
(72) KUROI, Shogo	(47) 30.11.2022	(11) EP3898160
(74) J.M.H. Duyver lic.	(51) B25B 27/00	(21) EP19835584.4
(31) 2017185756	B23P 19/08	(22) 06.12.2019
(32) 27.09.2017	B25B 27/28	(54) PREPARATION PLANT AND METHOD FOR PROCESSING PLASTIC MATERIAL FOR ITS RECYCLING
(33) Japan	(11) EP3702106	(73) Next Generation Recyclingmaschinen GmbH
(47) 21.12.2022	(21) EP20275045.1	(72) KROISS, Günter
(51) B08B 3/02	(22) 18.02.2020	(74) J.M.H. Duyver lic.
B08B 5/02	(54) GAITER FITTING DEVICE	(31) 511312018
G01B 5/008	(73) Bailcast Limited	(32) 19.12.2018
G01B 21/04	(72) SWIRES, Robert Andrew	(33) Austria
(11) EP3062938	(74) ir. H.J.G. Lips c.s.	(47) 02.11.2022
(21) EP14799044.4	(31) 201902450	(51) B29C 33/38
	(32) 22.02.2019	B29C 64/188

B29K 105/12	D21F 1/44	(31) 102016214275
B29L 31/00	B29C 45/37	(32) 02.08.2016
B33Y 40/00	B29C 33/38	(33) Germany
B33Y 80/00	B29C 33/42	(47) 02.11.2022
B29C 64/393	(11) EP3862191	(51) B60L 13/06
B33Y 50/02	(21) EP21160781.7	B60L 13/04
B33Y 10/00	(22) 07.01.2016	B60L 13/08
B29C 64/118	(54) DRAINAGE SIEVE FOR THE	B60L 13/10
(11) EP3645250	PRODUCTION OF SECURITY PAPER	(11) EP3612410
(21) EP18732610.3	WITH A WINDOWED SECURITY	(21) EP18787950.7
(22) 31.05.2018	THREAD	(22) 18.04.2018
(54) METHODS AND APPARATUS FOR	(73) Giesecke+Devrient Currency Technology	(54) PATH CORRECTION OF A VEHICLE
COMPENSATING FOR THERMAL	GmbH	RELATIVE TO PROJECTED MAGNETIC
EXPANSION DURING ADDITIVE	(72) Seidler, Rudolf	FLIGHT PATH
MANUFACTURING	Gerhardt, Thomas	(73) Skytran, Inc.
(73) Thermwood Corporation	Gregarek, André	(72) BAERTSCH, Robert
(72) SUSNJARA, Kenneth, J.	Aigner, Andreas	WAMBLE III, John Lee
(74) ir. W.J.J.M. Kempes	(74) ir. W.J.J.M. Kempes	COLE, John
(31) 201715804565	(31) 102015000690	FOSTER, Clark B.
201715636789	(32) 20.01.2015	(74) J.M.H. Duyver lic.
(32) 06.11.2017	(33) Germany	(31) 201762486860 P
29.06.2017	(47) 21.12.2022	(32) 18.04.2017
(33) United States of America	(51) B60B 37/06	(33) United States of America
United States of America	B60B 27/06	(47) 26.10.2022
(47) 28.12.2022	B60B 17/00	(51) B60P 3/08
(51) B32B 27/08	(11) EP3847041	(11) EP3476652
B32B 27/18	(21) EP19761802.8	(21) EP17749743.5
B32B 27/30	(22) 27.08.2019	(22) 20.06.2017
B32B 27/32	(54) DEVICE AND AN AXLE FOR RAIL	(54) TRANSPORT PLATFORM
B32B 27/34	VEHICLES	(73) EFITRANS GLOBAL LOGISTIC, S.L.
(11) EP3765286	(73) Thoni, Lothar	(72) SOUSA VAZQUEZ, Jose Alfonso
(21) EP19717008.7	(72) Thoni, Lothar	(74) ir. A.R. Aalbers
(22) 07.03.2019	(74) dr. R.C. van Duijvenbode c.s.	(31) 201630854
(54) LAMINATE FILM, PACKAGE, AND	(31) 202018105052 U	(32) 23.06.2016
METHODS FOR OXYGEN-SENSITIVE	(32) 05.09.2018	(33) Spain
MATERIALS	(33) Germany	(47) 09.11.2022
(73) AdvanSix Resins & Chemicals LLC	(47) 19.10.2022	(51) B60R 25/045
(72) PORTER, Simon J.	(51) B60J 1/08	(11) EP3116756
TING, Yuan-Ping Robert	E05F 15/695	(21) EP15709337.8
(74) dr. R.C. van Duijvenbode c.s.	E05F 15/72	(22) 09.03.2015
(31) 201862643220 P	(11) EP2847407	(54) METHOD AND APPARATUS FOR
(32) 15.03.2018	(21) EP13788542.2	REMOTELY DISABLING VEHICLES
(33) United States of America	(22) 10.05.2013	(73) Teledyne UK Limited
(47) 21.12.2022	(54) AUTOMATIC WATER SENSOR	(72) STIMSON, Gary
(51) B32B 33/00	WINDOW OPENING SYSTEM	GUY, Stuart
B41M 5/24	(73) 7882416 CANADA INC.	HICKS, Matthew
B65B 61/02	(72) PERCHER, Michael	(74) dr. R.C. van Duijvenbode c.s.
B23K 26/00	(74) dr. W.A.H.M. Van Borm	(31) 201404209
(11) EP3847017	(31) 201261645803 P	(32) 10.03.2014
(21) EP19765475.9	(32) 11.05.2012	(33) United Kingdom
(22) 09.09.2019	(33) United States of America	(47) 19.10.2022
(54) PACKAGING FILM HAVING UNIQUE	(47) 26.10.2022	(51) B60T 7/12
DIRECT FOOD CONTACT IDENTIFIERS	(51) B60L 3/00	(11) EP3617013
(73) Amcor Flexibles Sarrebourg SAS	H02P 5/68	(21) EP18204295.2
(72) ATRAMIZ, Eliana	H02P 5/74	(22) 05.11.2018
FROEMER, Frederic	B60K 6/20	(54) AN AUTOMATIC BRAKE ASSIST
(74) ir. W.J.J.M. Kempes	B60K 6/26	DEVICE FOR AN ELECTRIC TWO-
(31) 18193251	H02J 7/14	WHEELED VEHICLE
(32) 07.09.2018	(11) EP3325307	(73) Kunshan Junlei Electronic Co., Ltd.
(33) European Patent Office (EPO)	(21) EP17764326.9	(72) Ji, Huang
(47) 02.11.2022	(22) 21.07.2017	ZHEN KAI, Wen
(51) B42D 25/36	(54) ELECTRICAL TRACTION DRIVE FOR A	(74) ir. A.R. Aalbers
B42D 25/351	VEHICLE	(31) 107212037 U
B42D 25/369	(73) Ziehl-Abegg Automotive GmbH & Co. KG	(32) 03.09.2018
B42D 25/333	(72) HAAG, Alexander	(33) Taiwan, Province of China
B42D 25/355	KLETT, Sascha	(47) 26.10.2022
B42D 25/364	ARNOLD, Ralf	(51) B60T 17/22
B42D 25/373	(74) dr. R.C. van Duijvenbode c.s.	

B60T 7/12	B65D 5/468	MILONTON, Jens
(11) EP3612420	B65D 5/60	AELVOET, Jasper
(21) EP17732554.5	B65D 33/28	DE CLERCQ, Sander
(22) 20.04.2017	B65D 33/01	VANDEVENNE, Brecht
(54) A DEVICE/METHOD FOR PARKING BRAKE ASSISTANCE	B65D 33/16	(74) dr. R.C. van Duijvenbode c.s.
(73) Volvo Truck Corporation	B65D 77/06	(47) 09.11.2022
(72) FARRES, Lionel	(11) EP3746368	(51) B65D 47/06
DUSSAPT, Fabrice	(21) EP19705280.6	B05C 17/005
(74) dr. R.C. van Duijvenbode c.s.	(22) 01.02.2019	B65D 83/00
(47) 07.12.2022	(54) OPTIMIZED SYSTEM BOX AND BAG FOR PACKING, SHIPPING, STORING AND DISPLAYING PRODUCE	B65D 65/46
(51) B62M 9/00	(73) Chiquita Brands LLC	(11) EP3936455
B62M 9/10	(72) RODRIGUEZ, Francisco	(21) EP20184787.8
F16H 55/30	(74) dr. ir. G.J.C. Verdijck c.s.	(22) 08.07.2020
F16G 13/06	(31) 201862625588 P	(54) CARTRIDGE AND CARTRIDGE ASSEMBLY FOR USE IN AN EXTRUSION GUN
F16H 7/06	(32) 02.02.2018	(73) SOUDAL
(11) EP3954602	(33) United States of America	(72) MONSIEUR, Anneleen
(21) EP21186391.5	(47) 26.10.2022	GEBOS, Peter
(22) 19.07.2021	(51) B65D 19/08	AELVOET, Jasper
(54) CHAIN AND TRANSMISSION MECHANISM HAVING THE SAME	B65D 19/44	MILONTON, Jens
(73) KMC Chain Industrial Co., Ltd.	(11) EP3738898	THYS, Luc
(72) WU, Daniel	(21) EP19196647.2	VANDEVENNE, Brecht
(74) ir. F.A. Geurts c.s.	(22) 11.09.2019	DE CLERCQ, Sander
(31) 109127079	(54) CONTAINER FOR HAZARDOUS GOODS	(74) dr. R.C. van Duijvenbode c.s.
(32) 10.08.2020	(73) ESE World B.V.	(47) 23.11.2022
(33) Taiwan, Province of China	(72) GEERS, Matthias	(51) B65F 5/00
(47) 09.11.2022	RUNDIC, Heiko	B65G 53/26
(51) B63B 35/44	(74) dr. R.C. van Duijvenbode c.s.	E04F 17/10
F03B 17/06	(31) 102019112760	F24F 7/06
(11) EP3688304	(32) 15.05.2019	F24F 13/26
(21) EP18769280.1	(33) Germany	(11) EP2635507
(22) 30.08.2018	(47) 02.11.2022	(21) EP11837619.3
(54) OSCILLATING HYDROFOILS- GENERATOR/DRIVE FOR CONVERTING ENERGY	(51) B65D 25/28	(22) 30.09.2011
(73) Technische Universität Hamburg	B65D 25/10	(54) METHOD AND APPARATUS IN A PNEUMATIC MATERIAL CONVEYING SYSTEM
(72) ABDEL-MAKSoud, Moustafa	B65D 6/00	(73) Maricap OY
LOEBUS, Svenja	B65D 19/06	(72) SUNDHOLM, Göran
(74) dr. R.C. van Duijvenbode c.s.	B65D 19/18	(74) ir. A.R. Aalbers
(31) 102017009045	B65D 25/04	(31) 20106143
(32) 27.09.2017	B65D 71/00	(32) 01.11.2010
(33) Germany	B65D 85/68	(33) Finland
(47) 19.10.2022	B65D 6/18	(47) 02.11.2022
(51) B64C 21/08	(11) EP3556678	(51) B65F 5/00
B64D 15/04	(21) EP19169892.7	B65G 53/46
B64C 3/14	(22) 17.04.2019	B65G 53/60
(11) EP3877257	(54) TRANSPORT SYSTEM FOR WHEELS OF TWO-WHEELED VEHICLES	B65G 53/24
(21) EP20772344.6	(73) Wi-sales GmbH	(11) EP3400186
(22) 23.09.2020	(72) Götz, Michael	(21) EP17735886.8
(54) SYSTEM FOR SUCTION OF THE BOUNDARY LAYER AND PROTECTION AGAINST ICING OF AN AIRCRAFT BEARING SURFACE	(74) ir. J.C. Volmer c.s.	(22) 02.01.2017
(73) Sonaca S.A.	(31) 202018102112 U	(54) METHOD, APPARATUS AND SYSTEM FOR HANDLING WASTE MATERIAL
(72) DELLISSE, Nicolas	(32) 17.04.2018	(73) Maricap OY
ELMOUDEN, Said	(33) Germany	(72) SUNDHOLM, Göran
(74) ir. F.A. Geurts c.s.	(47) 26.10.2022	(74) ir. A.R. Aalbers
(31) 201905628	(51) B65D 25/48	(31) 20165006
(32) 24.09.2019	B65D 47/06	(32) 07.01.2016
(33) Belgium	B65D 83/00	(33) Finland
(47) 23.11.2022	B05C 17/005	(47) 02.11.2022
(51) B65D 5/68	(11) EP3936454	(51) B66C 1/66
B65D 5/00	(21) EP20184786.0	F16G 15/08
B65D 5/02	(22) 08.07.2020	F16B 45/00
B65D 5/32	(54) CARTRIDGE CAP AND CARTRIDGE ASSEMBLY	F16G 15/00
B65D 5/42	(73) SOUDAL	(11) EP3909903
B65D 85/34	(72) THYS, Luc	(21) EP21169795.8
	MONSIEUR, Anneleen	(22) 22.04.2021
	GEBOS, Peter	(54) ANCHORAGE POINT

(73) J.D. Theile GmbH & Co. KG	(72) THOMAS, Stephan	Stenger, Frank
(72) Foitzik, Martin	LANGNER, Andreas	Franke, Robert
(74) dr. W.A.H.M. Van Borm	HÜNERMANN, Michael	Haßelberg, Jennifer
(31) 202020103418 U	VYDRA, Jan	Hecht, Corinna
202020102382 U	TROMMER, Martin	Kristen, Marc Oliver
(32) 15.06.2020	LEHMANN, Walter	(74) ir. W.J.J.M. Kempes
29.04.2020	HENGSTER, Stefan	(31) 18198797
(33) Germany	BECKER, Klaus	(32) 05.10.2018
Germany	(74) ir. W.J.J.M. Kempes	(33) European Patent Office (EPO)
(47) 30.11.2022	(47) 30.11.2022	(47) 02.11.2022
(51) B66C 23/70	(51) C07B 59/00	(51) C07C 69/753
F15B 15/14	C07D 401/06	C07C 67/38
B66C 13/12	C07D 401/14	C07B 61/00
B60P 1/54	C07F 9/6558	C07C 51/58
(11) EP3483111	(11) EP3747852	(11) EP3882233
(21) EP18205077.3	(21) EP19178492.5	(21) EP19884807.9
(22) 08.11.2018	(22) 05.06.2019	(22) 07.11.2019
(54) TELESCOPIC SYSTEM COMPRISING	(54) COMPOUNDS FOR	(54) CARBOXYLIC ACID ESTER
END EQUIPMENT ACTIVATED BY AN	CHROMATOGRAPHIC SEPARATION	COMPOUND, PRODUCTION METHOD
ACTUATOR	OF RARE EARTH ELEMENTS AND	THEREOF, AND FRAGRANCE
(73) Guima Palfinger S.A.S.	S-, P-, D- METALS, METHOD OF	COMPOSITION
(72) RAUCOULES, Michel	SEPARATION, AND USE THEREOF	(73) MITSUBISHI GAS CHEMICAL
LACHEZE, Laurent	(73) Ustav organické chemie a biochemie AV	COMPANY, INC.
(74) ir. F.A. Geurts c.s.	CR, v.v.i.	(72) MATSUURA, Yutaka
(31) 1760582	(72) Polasek, Miloslav	UTAMURA, Tatsuya
(32) 10.11.2017	(74) ir. A. Blokland c.s.	HAKAMATA, Tomohiko
(33) France	(47) 26.10.2022	(74) dr. R.C. van Duijvenbode c.s.
(47) 30.11.2022	(51) C07C 1/04	(31) 2018216004
(51) B67D 1/08	C07C 11/04	(32) 16.11.2018
(11) EP3402736	C07C 11/06	(33) Japan
(21) EP17700340.7	C07C 11/08	(47) 11.01.2023
(22) 12.01.2017	B01J 29/08	(51) C07D 219/08
(54) DISPENSER HAVING A CARTRIDGE	B01J 23/08	C07D 221/12
HOLDER	B01J 37/04	(11) EP3814325
(73) Freezio AG	B01J 29/85	(21) EP19786404.4
(72) EMPL, Günter	(11) EP3902780	(22) 04.09.2019
KRÜGER, Marc	(21) EP19839298.7	(54) A RADIOLABELLED COMPOUND
FISCHER, Daniel	(22) 16.12.2019	OF QUATERNARY AMMONIUM
(74) ir. W.J.J.M. Kempes	(54) CATALYSTS COMPRISING A ZIRCONIA	SALT OF A POLYCYCLIC AROMATIC
(31) 102016218884	AND GALLIUM OXIDE COMPONENT	AMINE, THE USE OF THE
102016218507	FOR PRODUCTION OF C2 TO C4	RADIOLABELLED COMPOUND IN A
102016218509	OLEFINS	DIAGNOSTIC METHOD OF POSITRON
102016212013	(73) Dow Global Technologies LLC	EMISSION TOMOGRAPHY, AND A
102016212012	(72) CHOJECKI, Adam	PHARMACEUTICAL COMPOSITION
102016200254	KIRILIN, Alexey	CONTAINING THE RADIOLABELLED
(32) 29.09.2016	MALEK, Andrzej	COMPOUND OF QUATERNARY
27.09.2016	DEWILDE, Joseph F.	AMMONIUM SALT OF A POLYCYCLIC
27.09.2016	SANTOS CASTRO, Vera P.	AROMATIC AMINE
01.07.2016	YANCEY, David F.	(73) Synektik S.A.
01.07.2016	ANDREWS, Kyle C.	(72) TOWPIK, Joanna
12.01.2016	(74) ir. W.J.J.M. Kempes	WLOSTOWSKA, Joanna
(33) Germany	(31) 201862785828 P	KRAJEWSKI, Seweryn, Andrzej
Germany	(32) 28.12.2018	STECZEK, Lukasz, Marek
Germany	(33) United States of America	(74) ir. W.J.J.M. Kempes
Germany	(47) 28.12.2022	(31) 42691618
Germany	(51) C07C 45/50	(32) 05.09.2018
(47) 02.11.2022	C07C 47/02	(33) Poland
(51) C03B 19/14	B01J 21/18	(47) 30.11.2022
C03B 23/043	B01J 31/18	(51) C07D 239/84
C03B 32/00	B01J 35/04	A61K 31/517
C03B 20/00	(11) EP3632889	A61P 35/00
(11) EP3643687	(21) EP19200454.7	(11) EP3390369
(21) EP18202836.5	(22) 30.09.2019	(21) EP16876769.7
(22) 26.10.2018	(54) PROCESS FOR HYDROFORMYLATION	(22) 16.12.2016
(54) METHOD AND DEVICE FOR	OF C2- TO C5-OLEFINS WITHOUT	(54) SOLID FORMS OF
HOMOGENISATION OF GLASS	INTERMEDIATE PARTIAL SEPARATION	SUBSTITUTED 5,6-DIHYDRO-6-
(73) Heraeus Quarzglas GmbH & Co. KG	(73) Evonik Operations GmbH	PHENYLBENZO[F]ISOQUINOLIN-2-
	(72) Kreis, Peter	AMINE COMPOUNDS

(73) ArQule, Inc.	(72) ZERNA, Marion	A61K 9/51
(72) BATES, Craig	BERNDT, Mathias	A61P 35/00
REED, David P.	SCHIEFERSTEIN, Hanno	(11) EP3458083
(74) ir. H.A. Witmans c.s.	CASTILLO MELEAN, Johnny	(21) EP17726458.7
(31) 201562268747 P	KROTH, Heiko	(22) 18.05.2017
(32) 17.12.2015	MOLETTE, Jérôme	(54) POLYNUCLEOTIDES ENCODING
(33) United States of America	DARMENCY, Vincent	INTERLEUKIN-12 (IL12) AND USES
(47) 02.11.2022	GABELLIERI, Emanuele	THEREOF
(51) C07D 271/10	(74) ir. H.A. Witmans c.s.	(73) ModernaTX, Inc.
C07D 413/10	(31) 18153326	(72) FREDERICK, Joshua
C07D 413/12	(32) 24.01.2018	HEWITT, Susannah
A61K 31/4245	(33) European Patent Office (EPO)	BAI, Ailin
A61K 31/18	(47) 19.10.2022	HOGGE, Stephen
A61P 25/00	(51) C07D 487/04	PRESNYAK, Vladimir
A61P 35/00	A61P 25/20	KUMARASINGHE, Ellalahewage
A61P 37/00	A61P 25/22	Sathyajith
(11) EP3328843	A61K 31/519	BENENATO, Kerry
(21) EP16830836.9	(11) EP3752507	MCFADYEN, Iain
(22) 27.07.2016	(21) EP18849402.5	(74) ir. W.J.J.M. Kempes
(54) 1,3,4-OXADIAZOLE SULFONAMIDE	(22) 19.12.2018	(31) 201762443693 P
DERIVATIVE COMPOUNDS AS	(54) TRIAZOLOQUINAZOLINONE	201662338483 P
HISTONE DEACETYLASE 6 INHIBITOR,	SYNTHESIS	(32) 07.01.2017
AND THE PHARMACEUTICAL	(73) Gabather AB	18.05.2016
COMPOSITION COMPRISING THE	(72) JAGUSCH, Thomas	(33) United States of America
SAME	ZENHORST, Peter Adrianus, Hubertus	United States of America
(73) Chong Kun Dang Pharmaceutical Corp.	VAN DER AA, Paula Anna, Adriana	(47) 02.11.2022
(72) BAE, Miseon	VERSPUI, Govert, Arie	(51) C07K 14/725
YANG, Hyunmo	KAS, Martin	C12N 15/62
KIM, Dohoon	SCIGELOVA, Martina	C07K 16/30
HAN, Younghue	(74) dr. R.C. van Duijvenbode c.s.	C07K 14/705
CHOI, Daekyu	(31) 201762607353 P	A61P 35/00
MIN, Jaeki	(32) 19.12.2017	A61P 35/02
LEE, Jaekwang	(33) United States of America	(11) EP3882265
KIM, Yuntae	(47) 16.11.2022	(21) EP21160649.6
(74) dr. R.C. van Duijvenbode c.s.	(51) C07D 498/08	(22) 09.01.2018
(31) 20150105976	A61K 31/553	(54) COMPOSITIONS AND METHODS
(32) 27.07.2015	A61P 35/00	FOR TREATING CANCER WITH ANTI-
(33) Korea (Republic)	A61P 35/02	MESOTHELIN IMMUNOTHERAPY
(47) 26.10.2022	(11) EP3601297	(73) The U.S.A. as represented by the
(51) C07D 471/04	(21) EP18717811.6	Secretary, Department of Health and
A61K 31/437	(22) 28.03.2018	Human Services
A61K 31/4375	(54) COMPOUNDS THAT INHIBIT MCL-1	Lentigen Technology, Inc.
A61P 35/00	PROTEIN	(72) SCHNEIDER, Dina
(11) EP3844161	(73) Amgen Inc.	DROPULIC, Boro
(21) EP19759554.9	(72) HARRINGTON, Paul E.	ORENTAS, Rimas
(22) 26.08.2019	BROWN, Sean P.	DIMITROV, Dimitar, S.
(54) HETEROAROMATIC COMPOUNDS AS	KOHN, Todd J.	ZHU, Zhongyu
VANIN INHIBITORS	LANMAN, Brian Alan	(74) ir. W.J.J.M. Kempes
(73) Boehringer Ingelheim International	TAYGERLY, Joshua	(31) 201762444201 P
GmbH	STEC, Markian M.	(32) 09.01.2017
(72) GODBOUT, Cédricx	KALLER, Matthew R.	(33) United States of America
KOOLMAN, Hannes, Fiepk	ASHTON, Kate	(47) 02.11.2022
FLECK, Martin, Thomas	MINATTI, Ana Elena	(51) C07K 16/24
(74) ir. F.A. Geurts c.s.	LI, Yunxiao	C07K 16/28
(31) 18191082	LOW, Jonathan D.	C07K 16/30
(32) 28.08.2018	PICKRELL, Alexander J.	C07K 14/725
(33) European Patent Office (EPO)	LI, Kexue	C07K 14/705
(47) 09.11.2022	(74) ir. W.J.J.M. Kempes	C12N 5/0783
(51) C07D 471/14	(31) 201762479230 P	A61K 35/17
A61K 51/04	201762479171 P	A61P 35/00
C07B 59/00	(32) 30.03.2017	(11) EP3368571
(11) EP3743427	30.03.2017	(21) EP16860930.3
(21) EP19701346.9	(33) United States of America	(22) 28.10.2016
(22) 22.01.2019	United States of America	(54) TRANSFORMING GROWTH FACTOR-
(54) NOVEL METHOD OF PREPARING AN	(47) 19.10.2022	BETA-RESPONSIVE POLYPEPTIDES
IMAGING COMPOUND	(51) C07K 14/54	AND THEIR METHODS FOR USE
(73) AC Immune SA	A61K 38/20	(73) The Regents of the University of
Life Molecular Imaging Limited	C12N 15/67	California

(72) CHEN, Yvonne Yu-Hsuan CHANG, ZeNan Li	(11) EP3924424	C10B 53/04
(74) dr. R.C. van Duijvenbode c.s.	(21) EP20702323.5	F23G 5/027
(31) 201562248685 P	(22) 04.02.2020	C10J 3/56
(32) 30.10.2015	(54) SPINNABLE COMPOSITION (SC), AND POLYESTER FIBERS (PF) MADE THEREFROM	C10J 3/08
(33) United States of America		C10J 3/22
(47) 07.12.2022	(73) BASF SE	C10J 3/26
(51) C07K 16/28	(72) SCHILLING, Daniel	C10K 1/02
C07K 16/30	SCHEUERMANN, Klaus	(11) EP2606105
(11) EP3411404	LOHMANN, Jerome	(21) EP11818649.3
(21) EP17703714.0	HABRAKEN, Gijsbrecht Jacobus Maria	(22) 16.08.2011
(22) 02.02.2017	(74) ir. W.J.J.M. Kempes	(54) SANDWICH GASIFICATION PROCESS FOR HIGH-EFFICIENCY CONVERSION OF CARBONACEOUS FUELS TO CLEAN SYNGAS WITH ZERO RESIDUAL CARBON DISCHARGE
(54) PSMA AND CD3 BISPECIFIC T CELL ENGAGING ANTIBODY CONSTRUCTS	(31) 19157275	(73) Singularity Energy Technologies, LLC
(73) Amgen Research (Munich) GmbH	(32) 14.02.2019	(72) PATEL, Nikhil, Manubhai
(72) WOLF, Andreas	(33) European Patent Office (EPO)	(74) M.A.T. Beck MSc LL.B
FRIEDRICH, Matthias	(47) 02.11.2022	(31) 374139 P
MUENZ, Markus	(51) C09B 67/00	(32) 16.08.2010
RATTEL, Benno	C09B 69/10	(33) United States of America
KUFER, Peter	C09B 67/22	(47) 26.10.2022
BROZY, Johannes	D06P 3/79	(51) C10L 3/08
POMPE, Cornelius	D06P 1/48	C10L 3/10
HOFFMANN, Patrick	D06P 1/52	C07C 1/04
BOGNER, Pamela	D06P 1/54	C07C 1/12
RAUM, Tobias	(11) EP3056549	C07C 7/148
(74) ir. W.J.J.M. Kempes	(21) EP15154446.7	C10K 3/02
(31) 201662290875 P	(22) 10.02.2015	C10G 2/00
(32) 03.02.2016	(54) COLORANT COMPOSITION AND USES THEREOF	(11) EP3132009
(33) United States of America	(73) Ahlstrom Corporation	(21) EP15713573.2
(47) 09.11.2022	(72) Fantini, Diego	(22) 20.03.2015
(51) C08F 290/14	Dufour, Dr. Menno	(54) PROCESS
C08F 2/44	(74) ir. W.J.J.M. Kempes	(73) Johnson Matthey Public Limited Company
C08F 220/24	(47) 16.11.2022	(72) ABBOTT, Peter Edward James
G02B 1/04	(51) C09K 21/02	(74) ir. W.J.J.M. Kempes
B29D 11/00	C09K 21/04	(31) 201406890
G02C 7/04	C11C 5/00	(32) 16.04.2014
C08G 77/18	F21V 37/00	(33) United Kingdom
(11) EP3814393	(11) EP3733817	(47) 21.12.2022
(21) EP18924961.8	(21) EP19171887.3	(51) C11D 1/83
(22) 28.06.2018	(22) 30.04.2019	C11D 3/40
(54) ULTRA-HIGH DK MATERIAL	(54) BORON-FREE TREATMENT SOLUTION FOR A WICK AND BORON-FREE WICK	C11D 17/00
(73) Acuity Polymers, Inc.	(73) Schreiber GmbH	C11D 1/22
(72) BONAFINI, James, A., Jr.	(72) STAUBACH, Carsten	C11D 1/72
(47) 02.11.2022	STAUBACH, Lukas	E03D 9/02
(51) C08J 9/16	STAUBACH, Norbert	(11) EP3681988
C08L 101/08	(74) ir. W.J.J.M. Kempes	(21) EP18759643.2
C08L 101/10	(47) 16.11.2022	(22) 03.09.2018
(11) EP3880744	(51) C10G 45/02	(54) SHAPED TOILET CLEANER BLOCK
(21) EP19798332.3	C10G 3/00	(73) Unilever IP Holdings B.V.
(22) 12.11.2019	C10G 65/12	(72) LODOLA, Rita
(54) THERMALLY EXPANDABLE CELLULOSE-BASED MICROSPHERES	C10G 47/02	VALCARENGHI, Ivan
(73) Nouryon Chemicals International B.V.	(11) EP4028492	LONTOUO TAKEMLON, Olivier
(72) MARTIREZ, Paula	(21) EP20821324.9	(74) ir. T.G.P. Reijns
WIJTMANS, Roel	(22) 23.11.2020	(31) 17191046
ANDREASSON, Bo	(54) METHOD TO PREPARE AN AVIATION FUEL COMPONENT	(32) 14.09.2017
LARSSON KRON, Anna	(73) Neste Oyj	(33) European Patent Office (EPO)
RUDA, Marcus	(72) SAIKKONEN, Pirjo	(47) 21.12.2022
LÓPEZ CABEZAS, Ana	LIKANDER, Salla	(51) C12M 1/42
FROM, Malin	KIISKI, Ulla	C12M 1/00
(74) dr. T. Wittop Koning PhD	SANDBERG, Kati	(11) EP3567098
(31) 18205826	(74) dr. R.C. van Duijvenbode c.s.	(21) EP18736044.1
(32) 13.11.2018	(31) 20196039	(22) 04.01.2018
(33) European Patent Office (EPO)	(32) 29.11.2019	(54) AUTOMATIC PURIFICATION SYSTEM AND BIOLOGICAL SAMPLE PURIFICATION METHOD
(47) 18.01.2023	(33) Finland	
(51) C08L 67/02	(47) 04.01.2023	
D01F 6/92	(51) C10J 3/72	
D01F 8/14		

- (73) Nanjing GenScript Biotech Co., Ltd.
 (72) HE, Ruina
 CHEN, Xin
 QIAN, Hong
 WANG, Chao
 BAI, Tao
 (74) ir. W.J.J.M. Kempes
 (31) 201710005879
 (32) 04.01.2017
 (33) China
 (47) 04.01.2023
 (51) C12P 7/10
 C12P 7/14
 C13K 1/02
 C13K 13/00
 C07H 3/00
 (11) EP3540068
 (21) EP19172614.0
 (22) 02.09.2011
 (54) SUGAR COMPOSITION COMPRISING
 HIGH CONTENT XYLOSE AND
 METHODS FOR PROCESSING SUGAR
 MIXTURES
 (73) Virdia, LLC
 (72) JANSEN, Robert
 EYAL, Aharon
 (74) J.M.H. Duyver lic.
 (31) 20794510
 201161529277 P
 PCT/US2011/046153
 PCT/IL2011/000517
 PCT/IL2011/000509
 PCT/IL2011/000424
 (32) 02.09.2010
 31.08.2011
 01.08.2011
 28.06.2011
 26.06.2011
 01.06.2011
 (33) Israel
 United States of America
 World Intellectual Property Office (WIPO)
 World Intellectual Property Office (WIPO)
 World Intellectual Property Office (WIPO)
 World Intellectual Property Office (WIPO)
 (47) 26.10.2022
 (51) C12P 13/08
 C12P 13/10
 C12P 13/24
 C12N 1/20
 (11) EP2818555
 (21) EP14182094.4
 (22) 07.10.2005
 (54) Method for producing a basic substance
 (73) Ajinomoto Co., Inc.
 (72) Takeshita, Ryo
 Sugimoto, Shinichi
 (74) dr. ir. F.M. van Bouwelen
 (31) 2004295123
 (32) 07.10.2004
 (33) Japan
 (47) 28.12.2022
 (51) C12P 19/00
 C08B 30/04
 C08B 30/02
 (11) EP3380628
 (21) EP16868043.7
 (22) 25.11.2016
- (54) MILLING PROCESS
 (73) Novozymes A/S
 (72) CAO, Yi
 LAVIGNE, James
 VIDAL, Bernardo, Jr.
 ZHANG, Yu
 SOONG, Chee-Leong
 GIBBONS, Thomas Patrick
 LONG, Zhen
 SCOTT, Brian R.
 DEINHAMMER, Randall Scott
 AKERMAN, Michael John
 SHEN, Xinyu
 (74) ir. W.J.J.M. Kempes
 (31) PCT/CN2015/095621
 (32) 26.11.2015
 (33) World Intellectual Property Office (WIPO)
 (47) 02.11.2022
 (51) C12Q 1/68
 G01N 33/53
 G01N 33/573
 G01N 33/569
 G01N 21/76
 C12N 15/10
 (11) EP3822365
 (21) EP20216661.7
 (22) 09.05.2016
 (54) PLATFORM FOR DISCOVERY AND
 ANALYSIS OF THERAPEUTIC AGENTS
 (73) Illumina, Inc.
 (72) BOUTELL, Jonathan Mark
 GOLYNSKIY, Misha
 PREVITE, Michael
 HE, Molly
 KELLINGER, Matthew William
 PEISAJOVICH, Sergio
 (74) ir. J.D. de Zeeuw
 (31) 201562159710 P
 (32) 11.05.2015
 (33) United States of America
 (47) 30.11.2022
 (51) C12Q 1/6886
 C12Q 1/6883
 C12Q 1/6806
 (11) EP3708682
 (21) EP20161635.6
 (22) 02.02.2009
 (54) USE OF MICROVESICLES IN
 DIAGNOSIS AND PROGNOSIS
 OF MEDICAL DISEASES AND
 CONDITIONS
 (73) The General Hospital Corporation
 (72) BREAKFIELD, Xandra
 RUSSO, Leileata
 MIRANDA, Kevin
 SKOG, Johan Karl Olov
 BROWN, Dennis
 (74) dr. A. Krebs
 (31) 10029308 P
 2553608 P
 (32) 26.09.2008
 01.02.2008
 (33) United States of America
 United States of America
 (47) 23.11.2022
 (51) C22C 21/10
 C22F 1/053
 (11) EP3833794
- (21) EP19800967.2
 (22) 05.11.2019
 (54) 7XXX-SERIES ALUMINIUM ALLOY
 PRODUCT
 (73) Novelis Koblenz GmbH
 (72) MEYER, Philippe
 BÜRGER, Achim
 KRECHEL, Christian Gerhard
 SPANGEL, Sabine Maria
 KHOSLA, Sunil
 (74) ir. W.J.J.M. Kempes
 (31) 18205674
 (32) 12.11.2018
 (33) European Patent Office (EPO)
 (47) 04.01.2023
 (51) C25D 11/16
 B29C 33/38
 B29C 33/42
 C25D 11/12
 C25D 11/24
 G02B 1/118
 B29C 33/56
 (11) EP2489764
 (21) EP10823382.6
 (22) 12.10.2010
 (54) DIE AND METHOD FOR
 MANUFACTURING DIE, AND ANTI-
 REFLECTION COATING
 (73) Sharp Kabushiki Kaisha
 (72) MINARI Chiaki
 TAGUCHI Tokio
 (74) ir. W.J.J.M. Kempes
 (31) 2009237777
 (32) 14.10.2009
 (33) Japan
 (47) 30.11.2022
 (51) D21H 13/50
 D21H 19/38
 B32B 29/00
 (11) EP3752672
 (21) EP19706497.5
 (22) 15.02.2019
 (54) A METHOD OF MANUFACTURING
 A GRAPHENE/GRAPHEHE OXIDE
 LAYER AND A GRAPHENE/GRAPHEHE
 OXIDE-COATED SUPPORT
 (73) Ahlstrom-Munksjö Oyj
 (72) BOLIN, Göran
 LAITI, Erkki
 ROUSSET, Eric
 (74) ir. W.J.J.M. Kempes
 (31) 1850174
 (32) 16.02.2018
 (33) Sweden
 (47) 14.12.2022
 (51) D21J 1/02
 D21J 1/04
 B31F 1/00
 (11) EP3992360
 (21) EP20205198.3
 (22) 02.11.2020
 (54) A METHOD FOR EDGE-FORMING
 CELLULOSE PRODUCTS IN A
 FORMING MOULD SYSTEM, AND
 A FORMING MOULD SYSTEM FOR
 FORMING EDGES OF CELLULOSE
 PRODUCTS
 (73) PulPac AB

(72) LJUNGBERG, Martin BERGFJORD, Mathias (74) dr. R.C. van Duijvenbode c.s. (47) 30.11.2022	(54) FOUNDATION FOR A WIND TURBINE (73) Smart & Green Mukran Concrete GmbH (72) PRASS, Gregor SCHRIEFER, Christoph (74) dr. R.C. van Duijvenbode c.s. (31) 102018112857 102017011505 (32) 29.05.2018 13.12.2017 (33) Germany Germany (47) 09.11.2022	(22) 04.05.2020 (54) METHOD FOR MAKING AN EXTRUDED TRANSVERSAL HINGE BRACKET FOR CONSTRUCTING A DOOR HINGE (73) Locinox (72) TALPE, Joseph (74) J.M.H. Duyver lic. (47) 19.10.2022
(51) E01C 23/01 G01B 11/16 G01M 5/00 G01B 11/25 (11) EP2861802 (21) EP12729852.9 (22) 14.06.2012 (54) ROLLING WHEEL DEFLECTOMETER (73) Ramböll Sweden AB (72) MADSEN, Jakob Find (47) 02.11.2022	(51) E04B 1/70 (11) EP3147420 (21) EP16190011.3 (22) 21.09.2016 (54) ARRANGEMENT FOR HEATING, MORE SPECIFICALLY FOR DRYING A PART OF A BUILDING (73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (72) KÜNZEL, Hartwig ZEGOWITZ, Andreas (74) ir. H.A. Witmans c.s. (31) 102015116025 (32) 22.09.2015 (33) Germany (47) 26.10.2022	(51) E05F 1/16 (11) EP3045640 (21) EP15151196.1 (22) 14.01.2015 (54) SLIDING DOOR SYSTEM (73) DORMA-Glas GmbH (72) Gröne, Kai Liebscher, Arne Klemens, Sandra Finke, Andreas (74) ir. J.D. de Zeeuw (47) 09.11.2022
(51) E01C 23/088 E01C 23/12 B28D 7/02 B65G 69/18 (11) EP3832021 (21) EP20211018.5 (22) 01.12.2020 (54) SOIL TREATMENT MACHINE WITH DUST EXTRACTION WITH OPTIONAL FILTERING OF THE SUCTION DUST- POLLED AIR (73) Wirtgen GmbH (72) Berning, Christian Drumm, Stephan (74) ir. F.A. Geurts c.s. (31) 102019132889 (32) 03.12.2019 (33) Germany (47) 02.11.2022	(51) E05B 41/00 E05C 9/02 E05C 9/10 E05C 9/24 E05B 63/00 (11) EP3954846 (21) EP21180075.0 (22) 17.06.2021 (54) FITTING (73) SIEGENIA-AUBI KG (72) Zöller, Martin Bensmann, Marc Drozd, Martin (74) ir. H.A. Witmans c.s. (31) 202020104691 U (32) 13.08.2020 (33) Germany (47) 28.12.2022	(51) E06B 3/58 E06B 3/263 (11) EP3803014 (21) EP19721359.8 (22) 26.04.2019 (54) A BEAD FOR A FRAME MEMBER (73) Aanco (UK) Limited (72) FIELDING, Thomas Andrew (74) dr. A. Krebs (31) 201809168 (32) 05.06.2018 (33) United Kingdom (47) 07.12.2022
(51) E02D 7/22 B25D 16/00 B25D 11/10 (11) EP3792404 (21) EP19197103.5 (22) 12.09.2019 (54) SCREW-IN DEVICE WITH IMPACT EFFECT (73) Krinner Innovation GmbH (72) THURNER, Günther THURNER, Martin (74) ir. H.A. Witmans c.s. (47) 16.11.2022	(51) E05B 47/00 E05B 47/06 (11) EP3666998 (21) EP19212497.2 (22) 05.09.2018 (54) DIGITAL LOCK (73) iLOQ Oy (72) PUKARI, Mika (74) dr. R.C. van Duijvenbode c.s. (31) 201815958604 201862633316 P (32) 20.04.2018 21.02.2018 (33) United States of America United States of America (47) 21.12.2022	(51) E06B 9/78 E06B 9/42 E06B 9/56 E06B 9/50 (11) EP3455446 (21) EP17796864.1 (22) 11.05.2017 (54) WINDOW COVERING SYSTEM (73) Rollease Acmeda, Inc. (72) SANTILLI, Riccardo MOORE, Douglas BROWN, Thomas J., II. (74) ir. W.J.J.M. Kempes (31) 201662335337 P (32) 12.05.2016 (33) United States of America (47) 11.01.2023
(51) E02D 17/20 E01C 13/08 (11) EP3102742 (21) EP15751994.3 (22) 19.02.2015 (54) SYNTHETIC GROUND COVER SYSTEM FOR EROSION CONTROL (73) Watershed Geosynthetics LLC (72) AYERS, Michael URRUTIA, Jose (74) ir. J.D. de Zeeuw (31) 201414186413 (32) 21.02.2014 (33) United States of America (47) 26.10.2022	(51) E05D 5/02 E05D 7/04 E05D 5/06 E05D 9/00 (11) EP3907362 (21) EP20172789.8	(51) E21B 19/02 F16B 45/02 (11) EP3436655 (21) EP17706921.8 (22) 07.02.2017 (54) LINK CONNECTOR (73) Forum US, Inc. (72) STOLDT, Frederik CHILDRESS, Lawrence E., II VIERKE, Andre (74) mr. ir. J. van Breda c.s. (31) 201662314559 P (32) 29.03.2016 (33) United States of America (47) 02.11.2022
(51) E02D 27/42 F03D 13/20 (11) EP3724407 (21) EP18833173.0 (22) 12.12.2018		(51) E21B 41/00 E21B 7/04

E21B 7/06	(74) J.M.H. Duyver lic.	A61M 5/142
(11) EP2992176	(31) 102017111213	A61M 5/168
(21) EP14719775.0	(32) 23.05.2017	(11) EP3842638
(22) 28.04.2014	(33) Germany	(21) EP21157229.2
(54) METHOD AND SYSTEM FOR DIRECTIONAL DRILLING	(47) 19.10.2022	(22) 09.09.2013
(73) Shell Internationale Research Maatschappij B.V.	(51) F01M 1/08	(54) PERISTALTIC PUMP CASSETTE
(72) BLANGÉ, Jan-Jette	F01M 1/16	(73) KPR U.S., LLC
MCCLURE, Paul Anthony	F01M 11/02	(72) BREITWEISER, Kenneth M.
(74) ir. W.J.J.M. Kempes	F02F 1/20	HARR, James M.
(31) 13165805	F16N 7/38	WIESNER, Joel D.
(32) 29.04.2013	F16N 29/02	(74) ir. H.A. Witmans c.s.
(33) European Patent Office (EPO)	(11) EP3734030	(31) 201261726283 P
(47) 28.12.2022	(21) EP20171966.3	(32) 14.11.2012
(51) E21B 43/00	(22) 29.04.2020	(33) United States of America
E21B 41/00	(54) MULTI-LUBRICANT CYLINDER LUBRICATION SYSTEM FOR A LARGE TWO-STROKE INTERNAL COMBUSTION ENGINE	(47) 02.11.2022
(11) EP3625431	(73) MAN Energy Solutions, filial af MAN Energy Solutions SE, Tyskland	(51) F04C 2/107
(21) EP18725814.0	(72) Blázquez Moreno, Javier	F04C 15/00
(22) 16.05.2018	(74) dr. A. Krebs	(11) EP3855021
(54) TOOLS FOR SELECTING AND SEQUENCING OPERATING PARAMETER CHANGES TO CONTROL A HYDROCARBON PRODUCTION SYSTEM	(31) PA201970276	(21) EP21158022.0
(73) BP Corporation North America Inc. BP Exploration Operating Company Limited	(32) 01.05.2019	(22) 12.05.2014
(72) DUMENIL, Jean-Charles	(33) Denmark	(54) ECCENTRIC SCREW PUMP WITH MOUNTING THROUGH THE DRIVE SHAFT
HEDDLE, Richard	(47) 16.11.2022	(73) Hugo Vogelsang Maschinenbau GmbH
WANG, Shaojun	(51) F03D 13/20	(72) Krampe, Paul
(74) dr. R.C. van Duijvenbode c.s.	E04G 3/24	(74) dr. R.C. van Duijvenbode c.s.
(31) 201762506844 P	F03D 80/80	(47) 16.11.2022
(32) 16.05.2017	F03D 80/50	(51) F04D 19/00
(33) United States of America	(11) EP3902994	F04D 29/38
(47) 07.12.2022	(21) EP20704427.2	F04D 29/66
(51) E21B 47/005	(22) 29.01.2020	(11) EP3988797
G01V 5/04	(54) WIND TURBINE AND METHOD FOR MOUNTING A PLATFORM TO A WALL PORTION OF A WIND TURBINE	(21) EP21215518.8
G01V 1/50	(73) Siemens Gamesa Renewable Energy A/ S	(22) 05.02.2020
G01V 5/08	(72) SMEDEGAARD, Thomas	(54) AXIAL FAN WITH NOISE REDUCING FAN IMPELLER VANES HAVING BORES
G01V 5/14	BLAABJERG, Hans Kjaer	(73) EBM-PAPST ST. GEORGEN GMBH & CO. KG
G01V 11/00	KRISTIANSEN, Jesper Gjelstrup	(72) GÜNTHER, Clemens
(11) EP3685196	(74) dr. R.C. van Duijvenbode c.s.	GRILLIAT, Julien
(21) EP18786535.7	(31) 19154715	SIEGER, Tobias
(22) 24.09.2018	(32) 31.01.2019	DANNECKER, Johannes
(54) METHOD FOR USING VOXELATED X-RAY DATA TO ADAPTIVELY MODIFY ULTRASOUND INVERSION MODEL GEOMETRY DURING CEMENT EVALUATION	(33) European Patent Office (EPO)	HERR, Jürgen
(73) Teague, Philip	(47) 21.12.2022	MÜLLER, Martin
(72) Teague, Philip	(51) F04B 1/04	KEBER, Roland
(74) ir. W.J.J.M. Kempes	F04B 1/053	LAUFER, Wolfgang
(31) 201762561739 P	F04B 1/06	SCHULDE, Arnold
(32) 22.09.2017	F04B 7/00	EIMER, Georg
(33) United States of America	F04B 49/06	HAAS, Dominik
(47) 02.11.2022	(11) EP3748155	HOPPE, Simon
(51) E21D 9/10	(21) EP20178359.4	(74) ir. W.J.J.M. Kempes
(11) EP3406846	(22) 04.06.2020	(31) 102019105190
(21) EP18173881.6	(54) HYDRAULIC MACHINES AND SYSTEMS	(32) 28.02.2019
(22) 23.05.2018	(73) Artemis Intelligent Power Limited	(33) Germany
(54) OPERATING DEVICE FOR OPERATING A TUNNEL DRILLING DEVICE AND METHOD FOR CONSTRUCTING A TUNNEL	Danfoss Scotland Limited	(47) 23.11.2022
(73) Tunnel Service Group GmbH	(72) Marshall, Paul	(51) F16D 59/02
(72) Winkler, Christoph	Lagarde, Jeremie	F16D 55/22
Justen, Ingo	Stein, Uwe	F16D 65/14
	Rampen, William	(11) EP3464926
	(74) dr. R.C. van Duijvenbode c.s.	(21) EP16903376.8
	(31) 19178292	(22) 03.06.2016
	(32) 04.06.2019	(54) SELF-AMPLIFYING SAFETY BRAKE
	(33) European Patent Office (EPO)	(73) Drillform Technical Services Ltd.
	(47) 19.10.2022	(72) GNASIENCO, Radu
	(51) F04B 43/12	TURNBULL, Russell
		SCEKIC, Vladimir
		BATALHA, Kevin
		(74) dr. R.C. van Duijvenbode c.s.

(47) 19.10.2022	(74) ir. W.J.J.M. Kempes	(11) EP3505887
(51) F16H 19/06	(31) 102020115307	(21) EP17211053.8
F16H 9/04	(32) 09.06.2020	(22) 29.12.2017
F16H 7/02	(33) Germany	(54) DETECTOR DEVICE WITH
F16H 7/20	(47) 30.11.2022	PHOTOCONDUCTIVE BODY
(11) EP3679275	(51) G01B 11/26	(73) IMEC vzw
(21) EP18854618.8	G01B 11/00	Stichting IMEC Nederland
(22) 10.09.2018	G01C 15/02	(72) OFFERMANS, Peter
(54) HIGH REDUCTION BELT-DRIVEN	(11) EP2791696	VAN CAMPENHOUT, Joris
LINEAR ACTUATOR	(21) EP12858524.7	(47) 09.11.2022
(73) Liftwave Inc. Dba Rise Robotics	(22) 14.12.2012	(51) G01N 1/00
(72) SESSIONS, Blake	(54) DEVICE AND METHOD FOR LOCATING	G01N 7/00
(74) ir. W.J.J.M. Kempes	AND RELOCATING A FIRST OBJECT	G01N 9/00
(31) 201762555944 P	RELATIVE TO A SECOND OBJECT	G01N 19/10
(32) 08.09.2017	(73) Atkinson Audio Inc.	G01N 25/00
(33) United States of America	(72) ATKINSONS, Darren Glen	G01N 27/00
(47) 02.11.2022	HAUGHTON, Keith Louis	(11) EP3443317
(51) F16H 61/00	(74) ir. W.J.J.M. Kempes	(21) EP17783177.3
F16H 61/02	(31) 201113327540	(22) 14.04.2017
F16H 63/34	(32) 15.12.2011	(54) SYSTEM AND METHOD FOR
F16H 57/04	(33) United States of America	MONITORING ORGANIC COMPOUNDS
F16H 61/12	(47) 26.10.2022	IN A GAS ENVIRONMENT
(11) EP3612754	(51) G01F 15/02	(73) Yale University
(21) EP18720550.5	G01F 1/84	(72) GENTNER, Drew
(22) 18.04.2018	(11) EP1938051	(74) dr. R.C. van Duijvenbode c.s.
(54) A HYDRAULIC SYSTEM FOR	(21) EP06789756.1	(31) 201662322980 P
A VEHICLE AND A VEHICLE	(22) 15.08.2006	(32) 15.04.2016
TRANSMISSION	(54) METER ELECTRONICS AND	(33) United States of America
(73) Punch Powertrain PSA e-transmissions	METHODS FOR PROCESSING	(47) 19.10.2022
NV	SENSOR SIGNALS FOR A MULTI-	(51) G01N 25/18
(72) VAN DRUTEN, Roell Marie	PHASE FLOW MATERIAL IN A	G01N 33/497
SMID, Peter Mark	FLOWMETER	(11) EP3926335
(74) ir. H.A. Witmans c.s.	(73) Micro Motion, Inc.	(21) EP21190705.0
(31) 2020576	(72) BELL, Mark James	(22) 07.01.2019
2018732	MCANALLY, Craig B.	(54) EVALUATION ASSEMBLY FOR A
(32) 13.03.2018	(74) dr. R.C. van Duijvenbode c.s.	THERMAL GAS SENSOR, METHOD
18.04.2017	(31) 709271 P	AND COMPUTER PROGRAM
(33) Netherlands	(32) 18.08.2005	(73) GS Elektromedizinische Geräte G.
Netherlands	(33) United States of America	Stemple GmbH
(47) 19.10.2022	(47) 21.12.2022	Hahn-Schickard-Gesellschaft für
(51) F16L 37/092	(51) G01J 3/26	angewandte Forschung e.V.
F16L 37/088	G02B 26/00	(72) Ehrbrecht, Bernd
F16K 3/02	G01J 3/02	Kattinger, Gerhard
(11) EP3455534	G01J 3/12	Kliche, Kurt
(21) EP17723086.9	G01J 3/32	Hedrich, Frank
(22) 11.05.2017	G01J 3/51	(74) ir. F.A. Geurts c.s.
(54) SLEEVE, APPARATUS AND METHOD	(11) EP2414794	(31) 18150496
FOR RESTRICTING A MOVEMENT OF	(21) EP10758114.2	(32) 05.01.2018
A PIPE	(22) 31.03.2010	(33) European Patent Office (EPO)
(73) J. van Beugen Beheer B.V.	(54) SYSTEM FOR OPTICAL	(47) 26.10.2022
(72) VAN BEUGEN, Leonard	MEASUREMENT OF A TARGET	(51) G01N 33/483
ASSENBERG, Abraham	(73) Teknologian Tutkimuskeskus VTT Oy	C12M 3/00
(74) drs. W.H.P. Derks	(72) HOLMLUND, Christer	C12M 1/34
(31) 2016757	KANTOJÄRVI, Uula	G08C 17/00
(32) 11.05.2016	MANNILA, Rami	G01N 33/18
(33) Netherlands	LAMMINPÄÄ, Antti	(11) EP3137592
(47) 26.10.2022	TEPPOLA, Pekka	(21) EP15786477.8
(51) F16P 3/08	SAARI, Heikki	(22) 29.04.2015
F16P 3/10	(74) dr. W.A.H.M. Van Borm	(54) SINGLE-USE BIOREACTOR SENSOR
(11) EP3922898	(31) 20095356	ARCHITECTURE
(21) EP21172771.4	(32) 02.04.2009	(73) Rosemount Inc.
(22) 07.05.2021	(33) Finland	(72) SCHUMACHER, Mark, S.
(54) CONTROL DEVICE FOR A SAFETY	(47) 19.10.2022	(74) dr. R.C. van Duijvenbode c.s.
CLOSURE	(51) G01J 3/42	(31) 201414502502
(73) SICK AG	G01J 5/08	201462029199 P
(72) Schunke, Stefan	G02B 6/12	201461987726 P
Leins, Stephan	G01J 5/10	(32) 30.09.2014
Trouvain, Markus	G01J 5/28	25.07.2014

02.05.2014	Alakontiola, Jukka	G01S 13/86
(33) United States of America	(74) J.M.H. Duyver lic.	G01S 13/89
United States of America	(47) 07.12.2022	(11) EP3721267
United States of America	(51) G01R 31/392	(21) EP20701494.5
(47) 28.12.2022	(11) EP3853625	(22) 29.01.2020
(51) G01N 33/49	(21) EP18773395.1	(54) DOUBLE-FIELD DETECTION SYSTEM
B01L 3/00	(22) 17.09.2018	AND DETECTION PROCESS
(11) EP3191836	(54) A METHOD AND SYSTEM FOR	(73) Manneschi, Alessandro
(21) EP15767657.8	ESTIMATING THE STATE-OF-HEALTH	(72) Manneschi, Alessandro
(22) 09.09.2015	OF A BATTERY	(74) ir. F.A. Geurts c.s.
(54) MICROFLUID CHIP-BASED,	(73) VOLVO TRUCK CORPORATION	(31) 1900765
UNIVERSAL COAGULATION ASSAY	(72) HELLGREN, Jonas	(32) 29.01.2019
(73) Perosphere Technologies Inc.	(74) dr. R.C. van Duijvenbode c.s.	(33) France
(72) LAULICHT, Bryan	(47) 26.10.2022	(47) 16.11.2022
STEINER, Solomon	(51) G01S 5/00	(51) G02B 7/02
BAKHURU, Sasha	H04W 4/02	G02B 7/182
ZAPPE, Stefan	(11) EP3629049	G03F 7/20
(74) dr. R.C. van Duijvenbode c.s.	(21) EP19208639.5	(11) EP3857281
(31) 201462048183 P	(22) 01.09.2015	(21) EP19782496.4
(32) 09.09.2014	(54) TECHNIQUES FOR ALLOCATING	(22) 24.09.2019
(33) United States of America	POSITIONING SIGNAL ACQUISITION	(54) SUPPORTING AN OPTICAL ELEMENT
(47) 23.11.2022	TASKS AMONG A PLURALITY OF CO-	(73) Carl Zeiss SMT GmbH
(51) G01N 33/543	LOCATED MOBILE DEVICES	(72) KUGLER, Jens
G01N 33/558	(73) QUALCOMM Incorporated	GEUPPERT, Bernhard
(11) EP3752836	(72) VENKATRAMAN, Sai Pradeep	KHARITONOV, Alexander
(21) EP19707887.6	GAO, Weihua	(74) ir. W.J.J.M. Kempes
(22) 13.02.2019	WERNER, Benjamin A.	(31) 102018216344
(54) METHODS AND APPARATUS FOR	(74) dr. R.C. van Duijvenbode c.s.	(32) 25.09.2018
DETECTING ANALYTES	(31) 201414475271	(33) Germany
(73) Salignostics Ltd.	(32) 02.09.2014	(47) 16.11.2022
(72) DEUTSCH, Omer	(33) United States of America	(51) G02B 23/24
COHEN, Raluca	(47) 21.12.2022	A61B 1/00
NEUMANN, Yoav	(51) G01V 1/02	A61B 1/06
KRIEF, Guy	G01V 1/145	G01N 21/954
(74) ir. W.J.J.M. Kempes	G01V 1/38	E21B 47/00
(31) 201862630516 P	(11) EP3289388	A61B 1/05
(32) 14.02.2018	(21) EP16786917.1	E21B 47/002
(33) United States of America	(22) 14.04.2016	(11) EP3391118
(47) 19.10.2022	(54) COHERENT SOUND SOURCE FOR	(21) EP16822500.1
(51) G01R 29/10	MARINE SEISMIC SURVEYS	(22) 13.12.2016
H04B 17/10	(73) Applied Physical Sciences Corp.	(54) INSPECTION ASSEMBLY
(11) EP3519838	(72) MURRAY, Bruce, S.	(73) E.V. Offshore Limited
(21) EP17755150.4	MCCONNELL, James, A.	(72) THURSBY, Jonathan
(22) 16.08.2017	ROY, Daniel, A.	PECK, Shaun
(54) REDUCED GRID FOR MEASUREMENT	BERKMAN, Evan, F.	(74) ir. F.A. Geurts c.s.
OF TOTAL RADIATED POWER	ABRAHAM, Bruce, M.	(31) 201522066
(73) Telefonaktiebolaget LM Ericsson (PUBL)	(74) ir. A. Blokland c.s.	(32) 15.12.2015
(72) AXMON, Joakim	(31) 201514700879	(33) United Kingdom
CHAPMAN, Thomas	(32) 30.04.2015	(47) 19.10.2022
SIENKIEWICZ, Esther	(33) United States of America	(51) G02B 27/01
ELFSTRÖM, Torbjörn	(47) 11.01.2023	(11) EP3923058
(74) ir. A. Blokland c.s.	(51) G01V 1/18	(21) EP21172603.9
(31) 201662402944 P	G10K 11/00	(22) 06.05.2021
(32) 30.09.2016	(11) EP3650892	(54) HEAD-MOUNTED DISPLAY DEVICE
(33) United States of America	(21) EP18204921.3	(73) HTC Corporation
(47) 07.12.2022	(22) 07.11.2018	(72) CHANG, Li-Hsun
(51) G01R 31/08	(54) A SYSTEM FOR UNDERWATER	HSIEH, Chih-Hsiang
(11) EP3757583	SOUND MEASUREMENT	HSIEH, Tian-Jia
(21) EP19182247.7	(73) Damen 40 B.V.	CHANG, Chen-Fu
(22) 25.06.2019	(72) Keizer, Tjakko	(74) dr. R.C. van Duijvenbode c.s.
(54) SYSTEM FOR DETERMINING	Joosten, Wouter	(31) 202117143173
ELECTRIC PARAMETERS OF AN	(74) ir. A.R. Aalbers	202063036451 P
ELECTRIC POWER GRID	(47) 04.01.2023	(32) 07.01.2021
(73) Reactive Technologies Limited	(51) G01V 3/10	09.06.2020
(72) Berry, Brian	G01V 11/00	(33) United States of America
Ventola, Mika	G01V 8/00	United States of America
Gheorghe, Daniel	G01S 13/88	(47) 21.12.2022
Peltola, Timo		(51) G02B 27/14

(11) EP2711762	G01C 21/32	(21) EP15894018.9
(21) EP13004529.7	G08G 1/16	(22) 16.12.2015
(22) 17.09.2013	G01C 21/00	(54) STORAGE DEVICE AND BLOCK
(54) Non-polarising beam splitter cube	(11) EP3799618	STORAGE METHOD BASED ON THE
(73) Qioptiq Photonics GmbH & Co. KG	(21) EP18932204.3	STORAGE DEVICE
(72) Bischoff, Martin	(22) 30.08.2018	(73) Hangzhou Hikvision Digital Technology
(74) ir. W.J.J.M. Kempes	(54) METHOD OF NAVIGATING A VEHICLE	Co., Ltd.
(31) 102012018483	AND SYSTEM THEREOF	(72) ZENG, Fanli
(32) 19.09.2012	(73) Elta Systems Ltd.	LIN, Peng
(33) Germany	(72) APPELMAN, Dina	LIN, Qiqian
(47) 02.11.2022	COHEN, Ofir	WANG, Weichun
(51) G02F 1/133	(74) ir. W.J.J.M. Kempes	(74) ir. H.A. Witmans c.s.
G02B 27/01	(47) 26.10.2022	(31) 201510299026
G02F 1/13	(51) G06F 3/14	(32) 03.06.2015
G02F 1/1333	A63F 13/30	(33) China
G02B 5/18	(11) EP3872618	(47) 07.12.2022
G02F 1/33	(21) EP21166931.2	(51) G06F 17/18
G02B 5/30	(22) 23.05.2014	G01S 7/41
G02B 6/34	(54) SYSTEMS AND METHODS FOR	(11) EP3602326
G02B 27/42	REDUCING HOPS ASSOCIATED WITH	(21) EP17901472.5
G02F 1/1337	A HEAD MOUNTED SYSTEM	(22) 22.03.2017
(11) EP3542215	(73) Sony Interactive Entertainment LLC	(54) DECISION BASED RE-PROCESSING
(21) EP17870874.9	(72) PERRY, David	FRAMEWORK FOR RADAR
(22) 16.11.2017	(74) ir. W.J.J.M. Kempes	TECHNOLOGY
(54) SPATIALLY VARIABLE LIQUID	(31) 201314144185	(73) Saab AB
CRYSTAL DIFFRACTION GRATINGS	201361832773 P	(72) ERIKSSON, Stefan
(73) Magic Leap, Inc.	(32) 30.12.2013	(74) dr. R.C. van Duijvenbode c.s.
(72) OH, Chulwoo	07.06.2013	(47) 26.10.2022
(74) ir. W.J.J.M. Kempes	(33) United States of America	(51) G06F 21/51
(31) 201662424310 P	United States of America	G06F 21/57
(32) 18.11.2016	(47) 16.11.2022	G06F 21/12
(33) United States of America	(51) G06F 9/451	(11) EP3555786
(47) 02.11.2022	H04N 21/41	(21) EP17818393.5
(51) G03F 7/20	H04N 21/414	(22) 05.12.2017
C22C 32/00	H04N 21/422	(54) SECURE PROVISIONING OF UNIQUE
C22C 47/04	H04N 21/482	TIME-LIMITED CERTIFICATES TO
(11) EP3513250	(11) EP3384379	VIRTUAL APPLICATION INSTANCES IN
(21) EP17771401.1	(21) EP16816795.5	DYNAMIC AND ELASTIC SYSTEMS
(22) 17.09.2017	(22) 30.11.2016	(73) ARRIS Enterprises LLC
(54) COMPONENT FOR A MIRROR ARRAY	(54) METHODS, SYSTEMS AND MEDIA	(72) PRICKETT, David B.
FOR EUV LITHOGRAPHY AND	FOR PRESENTING A VIRTUAL	MEDVINSKY, Alexander
METHOD FOR MANUFACTURING THE	OPERATING SYSTEM USER	(74) ir. J.D. de Zeeuw
SAME	INTERFACE ON A DISPLAY DEVICE	(31) 201615384256
(73) Carl Zeiss SMT GmbH	(73) Google LLC	(32) 19.12.2016
(72) EVA, Eric	(72) REICHLING, Stewart	(33) United States of America
(74) ir. W.J.J.M. Kempes	(74) dr. A. Krebs	(47) 09.11.2022
(31) 102016217735	(31) 201514958640	(51) G06K 9/00
(32) 16.09.2016	(32) 03.12.2015	A01K 11/00
(33) Germany	(33) United States of America	G06T 7/00
(47) 02.11.2022	(47) 04.01.2023	A01K 15/04
(51) G05D 1/02	(51) G06F 11/07	A01K 29/00
B62D 15/02	(11) EP3912036	A61B 5/11
G08G 1/14	(21) EP19701183.6	(11) EP3029603
(11) EP3882733	(22) 17.01.2019	(21) EP14801824.5
(21) EP21160267.7	(54) TECHNIQUE FOR CONNECTION	(22) 20.05.2014
(22) 02.03.2021	HANDLING IN A DISTRIBUTED	(54) DEVICE FOR RECOGNIZING ANIMAL'S
(54) METHOD AND SYSTEM FOR	SYSTEM	IDENTITY BY USING ANIMAL NOSE
AUTONOMOUS DRIVING OF A	(73) Telefonaktiebolaget LM Ericsson (publ)	PRINTS
VEHICLE	(72) PINCZEL, Balázs	(73) Iscilab Corporation
(73) Kopernikus Automotive GmbH	GÉHBERGER, Dániel	(72) WEE, Nam Sook
(72) JENZOWSKY, Stefan	MÁTRAY, Péter	CHOI, Su Jin
(74) ir. F.A. Geurts c.s.	NÉMETH, Gábor	KIM, Haeng Moon
(31) 102020107108	(74) ir. A. Blokland c.s.	(74) ir. F.A. Geurts c.s.
(32) 16.03.2020	(47) 04.01.2023	(31) 20130057667
(33) Germany	(51) G06F 12/02	(32) 22.05.2013
(47) 02.11.2022	G06F 3/06	(33) Korea (Republic)
(51) G05D 1/02	G06F 11/20	(47) 19.10.2022
G05D 1/00	(11) EP3306477	(51) G06K 19/07

G06K 19/06	(47) 02.11.2022	(47) 16.11.2022
G06K 19/02	(51) G06T 17/00	(51) G10K 15/12
G06K 19/077	(11) EP3692509	G01H 7/00
B42D 25/373	(21) EP18786924.3	H04S 7/00
B42D 25/369	(22) 03.10.2018	H04S 3/00
B42D 25/455	(54) METHOD AND DEVICE FOR	(11) EP3594939
B42D 25/46	GENERATING POINTS OF A 3D SCENE	(21) EP19193808.3
(11) EP3629244	(73) InterDigital VC Holdings, Inc.	(22) 16.07.2014
(21) EP19193399.3	(72) LASSERRE, Sebastien	(54) METHOD FOR PROCESSING AN
(22) 23.08.2019	RICARD, Julien	AUDIO SIGNAL IN ACCORDANCE
(54) ELECTRONIC CARD HAVING AN	JULLIAN, Remi	WITH A ROOM IMPULSE RESPONSE,
ELECTRONIC INTERFACE	(74) dr. R.C. van Duijvenbode c.s.	SIGNAL PROCESSING UNIT, AUDIO
(73) Apple Inc.	(31) 17306345	ENCODER, AUDIO DECODER, AND
(72) RUSSELL-CLARKE, Peter N.	(32) 06.10.2017	BINAURAL RENDERER
DIONELLO, Rafael L.	(33) European Patent Office (EPO)	(73) Fraunhofer-Gesellschaft zur Förderung
(74) ir. A.R. Aalbers	(47) 07.12.2022	der angewandten Forschung e.V.
(31) 201916526880	(51) G06V 20/52	(72) Neukam, Simone
201916526814	G07G 1/00	Plogsties, Jan
201962814788 P	(11) EP3262562	(74) ir. F.A. Geurts c.s.
201962814779 P	(21) EP16707406.1	(31) 13189230
201862737528 P	(22) 23.02.2016	13177362
(32) 30.07.2019	(54) SYSTEM AND METHOD FOR THE	(32) 18.10.2013
30.07.2019	IDENTIFICATION OF PRODUCTS IN A	22.07.2013
06.03.2019	SHOPPING CART	(33) European Patent Office (EPO)
06.03.2019	(73) Pentland Firth Software GmbH	European Patent Office (EPO)
27.09.2018	(72) HEINRICH, Frank	(47) 02.11.2022
(33) United States of America	(74) ir. A. Blokland c.s.	(51) G10L 19/00
United States of America	(31) 102015106659	G10L 19/02
United States of America	102015102550	(11) EP3751564
United States of America	(32) 29.04.2015	(21) EP20179316.3
United States of America	23.02.2015	(22) 20.07.2011
(47) 11.01.2023	(33) Germany	(54) AUDIO DECODER, AUDIO DECODING
(51) G06T 5/00	Germany	METHOD AND COMPUTER PROGRAM
(11) EP2875487	(47) 19.10.2022	(73) Fraunhofer-Gesellschaft zur Förderung
(21) EP13702024.4	(51) G08G 1/01	der angewandten Forschung e.V.
(22) 29.01.2013	G08G 1/04	(72) Subbaraman, Vignesh
(54) METHOD AND DEVICE FOR	G08G 1/14	Hildenbrand, Matthias
CONVERTING AN IMAGE SEQUENCE	(11) EP3216018	Warmbold, Patrick
WHOSE LUMINANCE VALUES	(21) EP15794871.2	Fuchs, Guillaume
BELONG TO A SPAN OF VALUES WITH	(22) 06.11.2015	Trithart, Arthur
LARGE DYNAMIC RANGE	(54) METHOD FOR ESTIMATING THE	Weiß, Oliver
(73) InterDigital VC Holdings, Inc.	OCCUPANCY OF A PARKING LOT	Rettelbach, Nikolaus
(72) BOITARD, Ronan	(73) TomTom Global Content B.V.	Multrus, Markus
THOREAU, Dominique	(72) MEIJER, Arnold Mark	(74) ir. F.A. Geurts c.s.
OLIVIER, Yannick	ERMAKOV, Konstantin	(31) 36593610 P
(74) dr. R.C. van Duijvenbode c.s.	(74) J.M.H. Duyver lic.	(32) 20.07.2010
(31) 1256925	(31) 201419807	(33) United States of America
(32) 18.07.2012	(32) 06.11.2014	(47) 26.10.2022
(33) France	(33) United Kingdom	(51) G10L 19/00
(47) 30.11.2022	(47) 21.12.2022	H04B 1/66
(51) G06T 5/00	(51) G09F 3/00	(11) EP3739577
G06T 5/20	G09F 3/03	(21) EP20184885.0
G06T 5/50	G09F 3/02	(22) 06.04.2011
(11) EP3971824	(11) EP3392866	(54) MDCT-BASED COMPLEX PREDICTION
(21) EP21207739.0	(21) EP18166139.8	STEREO CODING
(22) 20.03.2018	(22) 06.04.2018	(73) Dolby International AB
(54) IMPROVING QUALITY OF MEDICAL	(54) SEALING LABEL WITH TWO INITIAL	(72) PURNHAGEN, Heiko
IMAGES USING MULTI-CONTRAST	OPENING PROOFS	CARLSSON, Pontus
AND DEEP LEARNING	(73) SCRIBOS GmbH	VILLEMOES, Lars
(73) The Board of Trustees of the Leland	(72) STEGEMANN, Christoph	(74) J.M.H. Duyver lic.
Stanford Junior University	DÖRFEL, Fabian	(31) 32245810 P
(72) ZAHARCHUK, Greg	KRESSE, Tobias	(32) 09.04.2010
GONG, Enhao	STAHL, Simon	(33) United States of America
PAULY, John, M.	(74) ir. A. Blokland c.s.	(47) 23.11.2022
(74) ir. W.J.J.M. Kempes	(31) 102017206634	(51) G10L 19/16
(31) 201715475760	(32) 20.04.2017	G10L 21/038
(32) 31.03.2017	(33) Germany	G10L 19/24
(33) United States of America		G10L 19/035

(11) EP3958259	G01N 1/42	(22) 26.11.2014
(21) EP21195190.0	(11) EP3477680	(54) SEMICONDUCTOR DEVICE
(22) 10.03.2016	(21) EP18202746.6	(73) Rohm Co., Ltd.
(54) DECODING AUDIO BITSTREAMS WITH ENHANCED SPECTRAL BAND REPLICATION METADATA IN AT LEAST ONE FILL ELEMENT	(22) 26.10.2018	(72) NAGAO, Katsuhisa
(73) Dolby International AB	(54) CRYOTRANSFER HOLDER AND WORKSTATION	KAWAMOTO, Noriaki
(72) VILLEMOES, Lars	(73) Gatan, Inc.	(74) ir. A.R. Aalbers
PURNHAGEN, Heiko	(72) Gubbens, Alexander Jozef	(31) 2013246474
EKSTRAND, Per	Hunt, John Andrew	(32) 28.11.2013
(74) J.M.H. Duyver lic.	Azimi, Masoud	(33) Japan
(31) 201562133800 P	Pantelic, Radosav	(47) 09.11.2022
15159067	Zolkowski, Ron	(51) H01L 31/0236
(32) 16.03.2015	Booth, Chris	H01L 31/048
13.03.2015	(74) ir. W.J.J.M. Kempes	E01C 7/35
(33) United States of America	(31) 201762579040 P	E01C 11/00
European Patent Office (EPO)	(32) 30.10.2017	(11) EP3931396
(47) 19.10.2022	(33) United States of America	(21) EP20713946.0
(51) G10L 21/028	(47) 28.12.2022	(22) 25.02.2020
(11) EP3723088	(51) H01L 21/677	(54) FUNCTIONAL DEVICE INTEGRATED INTO A TRAVERSABLE SURFACE AND METHOD FOR PRODUCING A TRAVERSABLE SURFACE WITH SAME
(21) EP20162399.8	H01L 21/67	(73) Commissariat à l'énergie atomique et aux énergies alternatives
(22) 11.03.2020	H05K 13/04	COLAS
(54) AUDIO CONTRIBUTION IDENTIFICATION SYSTEM AND METHOD	H01L 21/68	(72) DE BETTIGNIES, Rémi
(73) Sony Interactive Entertainment Inc.	H05K 13/00	HESLINGA, Dick
(72) CAPPELLO, Fabio	(11) EP3844803	BOULANGER, Amandine
HUME, Oliver	(21) EP19762106.3	COQUELLE, Eric
(74) ir. W.J.J.M. Kempes	(22) 23.08.2019	GAUME, Julien
(31) 201905091	(54) INSPECTION DURING TRANSFER OF ELECTRONIC COMPONENTS FROM A FIRST TO A SECOND CARRIER	VITE, Marion
(32) 10.04.2019	(73) Muehlbauer GmbH & Co. KG	(74) J.M.H. Duyver lic.
(33) United Kingdom	(72) SCHMID, Konrad	(31) 1901965
(47) 14.12.2022	PRAKAPENKA, Uladimir	(32) 26.02.2019
(51) G16H 10/60	(74) ir. H.A. Witmans c.s.	(33) France
H04L 9/08	(31) 102018006760	(47) 30.11.2022
H04L 9/32	(32) 27.08.2018	(51) H01M 4/14
G06F 21/62	(33) Germany	H01M 4/16
(11) EP3510519	(47) 26.10.2022	H01M 4/68
(21) EP17765395.3	(51) H01L 27/11	H01M 10/04
(22) 05.09.2017	H01L 27/02	H01M 10/20
(54) HEALTHCARE MONITORING METHOD AND SYSTEM FOR SECURE COMMUNICATION OF PATIENT DATA	G11C 8/14	H01M 10/22
(73) Addi Medical AB	G11C 8/16	H01M 4/02
(72) SELLBERG, Nina	G11C 11/418	(11) EP3785316
WINSNES, Casper	G11C 5/06	(21) EP19726059.9
HENRIQUES, Fredrik	G11C 11/412	(22) 23.04.2019
(74) J.M.H. Duyver lic.	(11) EP3227919	(54) ELECTROCHEMICAL CELL WITH HIGH CAPACITY AND LOW SELF- DISCHARGE
(31) 201662383716 P	(21) EP15801085.0	(73) Esther : Energie Sciences
(32) 06.09.2016	(22) 16.11.2015	Thermodynamiques
(33) United States of America	(54) STATIC RANDOM ACCESS MEMORY (SRAM) BIT CELLS WITH WORDLINES ON SEPARATE METAL LAYERS FOR INCREASED PERFORMANCE, AND RELATED METHODS	(72) BIENVENU, Gérard
(47) 26.10.2022	(73) Qualcomm Incorporated	(74) ir. F.A. Geurts c.s.
(51) G16H 40/40	(72) WANG, Zhongze	(31) 1853593
(11) EP2990974	YEAP, Choh, Fei	(32) 24.04.2018
(21) EP15002067.5	RIM, Kern	(33) France
(22) 10.07.2015	MOJUMDER, Niladri, Narayan	(47) 26.10.2022
(54) ARTIFICIAL RESPIRATION DEVICE AND METHOD FOR SAME	SONG, Stanley, Seungchul	(51) H01M 6/32
(73) Löwenstein Medical Technology S.A.	(74) dr. R.C. van Duijvenbode c.s.	H01M 4/38
(72) STOCKWALD, Florian	(31) 201414559205	H01M 50/119
BYCHKOV, Igor	(32) 03.12.2014	H01M 50/121
(74) ir. W.J.J.M. Kempes	(33) United States of America	(11) EP3427321
(31) 102014012793	(47) 21.12.2022	(21) EP17762597.7
(32) 28.08.2014	(51) H01L 29/78	(22) 01.03.2017
(33) Germany	H01L 29/739	(54) A BATTERY
(47) 04.01.2023	H01L 29/423	(73) Battery Research Technology Limited
(51) H01J 37/20	(11) EP3644363	(72) BAKKER, Niels
	(21) EP19215868.1	(74) ir. A. Blokland c.s.
		(31) 16102664

(32) 08.03.2016	(72) CHAMPY, Adam	(54) ENHANCED EDGE DETECT POWER
(33) Hong Kong	(74) dr. R.C. van Duijvenbode c.s.	LINE COMMUNICATION
(47) 02.11.2022	(31) 201762576901 P	(73) Google LLC
(51) H01P 1/22	(32) 25.10.2017	(72) Chang, Yuan, Jen
H01P 1/203	(33) United States of America	Yang, ShihHsien
(11) EP3844840	(47) 09.11.2022	(74) dr. R.C. van Duijvenbode c.s.
(21) EP19755893.5	(51) H02K 1/276	(47) 16.11.2022
(22) 15.08.2019	H02K 1/24	(51) H04B 7/00
(54) PACKAGING AND THERMALIZATION	(11) EP3499687	H04W 56/00
OF CRYOGENIC DISPERSIVE-	(21) EP18209707.1	(11) EP3591855
RESISTIVE HYBRID ATTENUATORS	(22) 03.12.2018	(21) EP19169451.2
FOR QUANTUM MICROWAVE	(54) ROTOR OF AN ELECTRIC MACHINE	(22) 25.09.2014
CIRCUITS	(73) Baumüller Nürnberg GmbH	(54) DATA COMMUNICATION METHOD AND
(73) International Business Machines	(72) KURFÜRST, Jiri	RELATED APPARATUS
Corporation	SKODA, Jiri	(73) Huawei Technologies Co., Ltd.
(72) GUMANN, Patryk	JINDRA, Tomás	(72) WANG, Ningjuan
ABDO, Baleegh	REZEK, Jan	XUE, Xin
(74) J.M.H. Duyver lic.	KNEBL, Ladislav	YAN, Min
(31) 201816114793	(74) dr. ir. G.J.C. Verdijk c.s.	YU, Jian
201816114890	(31) 102017222683	(74) ir. W.J.J.M. Kempes
(32) 28.08.2018	(32) 13.12.2017	(47) 02.11.2022
28.08.2018	(33) Germany	(51) H04B 7/04
(33) United States of America	(47) 26.10.2022	H04B 7/06
United States of America	(51) H03L 7/099	H04B 7/0452
(47) 28.12.2022	H03L 7/24	(11) EP3455949
(51) H01Q 1/22	(11) EP2695299	(21) EP17723599.1
H04B 7/08	(21) EP12714194.3	(22) 03.05.2017
(11) EP3840113	(22) 06.04.2012	(54) REFERENCE SIGNALS AND LINK
(21) EP20211820.4	(54) SUPPLY-REGULATED VCO	ADAPTATION FOR MASSIVE MIMO
(22) 04.12.2020	ARCHITECTURE	(73) Qualcomm Incorporated
(54) ELECTRICAL DEVICE ADAPTED TO	(73) Qualcomm Incorporated	(72) KARAKUS, Can
THE DETECTION OF THE PRESENCE	(72) RAGHUNATHAN, Ashwin	SORIAGA, Joseph Binamira
OF AN EXTERNAL ANTENNA	PEDRALI-NOY, Marzio	VITTHALADEVUNI, Pavan Kumar
(73) Sagemcom Energy & Telecom SAS	WADHWA, Sameer	Ji, Tingfang
(72) KHOURI, Rami	(74) dr. R.C. van Duijvenbode c.s.	(74) dr. R.C. van Duijvenbode c.s.
TISNE, Alain	(31) 201113082313	(31) 201715584740
(74) ir. H.A. Witmans c.s.	(32) 07.04.2011	201662333693 P
(31) 1914872	(33) United States of America	(32) 02.05.2017
(32) 19.12.2019	(47) 21.12.2022	09.05.2016
(33) France	(51) H03M 13/25	(33) United States of America
(47) 19.10.2022	H03M 13/11	United States of America
(51) H01S 5/022	H03M 13/27	(47) 21.12.2022
(11) EP3540877	H03M 13/29	(51) H04B 7/06
(21) EP19162315.6	H03M 13/03	H04L 5/00
(22) 12.03.2019	H04L 1/00	H04W 72/08
(54) LASER PROJECTION MODULE,	H04L 27/20	(11) EP3678400
DEPTH CAMERA AND ELECTRONIC	(11) EP3584941	(21) EP17923886.0
DEVICE	(21) EP18755110.6	(22) 01.09.2017
(73) GUANGDONG OPPO MOBILE	(22) 06.02.2018	(54) METHOD FOR DETERMINING CQI
TELECOMMUNICATIONS CORP., LTD.	(54) BIT INTERLEAVING FOR LDPC CODES	INFORMATION, BASE STATION, AND
(72) ZHANG, Xueyong	OF LENGTH 69120 AND RATE 2/16 IN	USER EQUIPMENT
(74) ir. W.J.J.M. Kempes	COMBINATION WITH 16QAM	(73) Beijing Xiaomi Mobile Software Co., Ltd.
(31) 201810201174	(73) Sony Group Corporation	(72) ZHOU, Juejia
(32) 12.03.2018	(72) SHINOHARA Yuji	(74) J.M.H. Duyver lic.
(33) China	YAMAMOTO Makiko	(47) 02.11.2022
(47) 21.12.2022	(74) ir. W.J.J.M. Kempes	(51) H04B 7/26
(51) H02J 7/00	(31) 2017056763	H04W 36/00
H02J 9/00	2017028564	H04W 76/15
G06F 1/16	(32) 23.03.2017	H04W 36/02
G06F 1/32	20.02.2017	H04W 16/32
H04R 1/10	(33) Japan	H04W 36/04
(11) EP3602728	Japan	(11) EP3917031
(21) EP18758771.2	(47) 21.12.2022	(21) EP21184413.9
(22) 23.07.2018	(51) H04B 3/54	(22) 26.03.2015
(54) SYSTEM AND METHOD FOR	(11) EP3966943	(54) METHOD AND APPARATUS
RESTRICTING AND ENABLING	(21) EP20740479.9	FOR CARRIER AGGREGATION
CHARGING	(22) 29.06.2020	COMMUNICATION IN WIRELESS
(73) Google LLC		COMMUNICATION SYSTEM

(73) Samsung Electronics Co., Ltd.	SIGNAL IN DEVICE-TO-DEVICE D2D	(33) European Patent Office (EPO)
(72) KIM, Myoungseok	COMMUNICATION	(47) 28.12.2022
HUH, Hoon	(73) HUAWEI TECHNOLOGIES CO., LTD.	(51) H04L 12/14
LEE, Heekwang	(72) ZHANG, Xingwei	H04M 15/00
KWON, Ilwon	(74) ir. W.J.J.M. Kempes	H04W 4/24
JEON, Jaeho	(31) 201210327486	H04W 4/70
CHOI, Jungah	(32) 06.09.2012	(11) EP3651409
(74) dr. R.C. van Duijvenbode c.s.	(33) China	(21) EP19213363.5
(31) 20140053680	(47) 02.11.2022	(22) 24.07.2014
201461983712 P	(51) H04L 5/00	(54) SERVICE DOMAIN CHARGING
201461978494 P	H04W 72/00	SYSTEMS AND METHODS
201461970528 P	(11) EP3210330	(73) Convida Wireless, LLC
(32) 02.05.2014	(21) EP15781005.2	(72) RUSSELL Jr., Paul L.
24.04.2014	(22) 30.09.2015	SEED, Dale N.
11.04.2014	(54) FLEXIBLE MULTIPLEXING AND	MLADIN, Catalina M.
26.03.2014	FEEDBACK FOR VARIABLE	FLYNN IV, William R.
(33) Korea (Republic)	TRANSMISSION TIME INTERVALS	LU, Guang X
United States of America	(73) Qualcomm Incorporated	STARSHINIC, Michael F.
United States of America	(72) DAMNJANOVIC, Jelena	DONG, Lijun
United States of America	MALLIK, Siddhartha	(74) ir. W.J.J.M. Kempes
(47) 14.12.2022	LUO, Tao	(31) 201361886458 P
(51) H04L 1/14	MALLADI, Durga,Prasad	201361857912 P
H04L 1/16	DAMNJANOVIC, Aleksandar	(32) 03.10.2013
(11) EP3767857	WEI, Yongbin	24.07.2013
(21) EP20190707.8	CHENDAMARAI KANNAN, Arumugam	(33) United States of America
(22) 16.10.2018	VAJAPPEYAM, Madhavan, Srinivasan	United States of America
(54) AVOIDING MULTIPLE	YOO, Taesang	(47) 09.11.2022
RETRANSMISSIONS OF SIGNALLING	(74) dr. R.C. van Duijvenbode c.s.	(51) H04L 27/26
TRANSPORTED BY 5G NAS	(31) 201514869152	H04L 5/00
TRANSPORT	201462075624 P	H04W 4/40
(73) Telefonaktiebolaget LM Ericsson (publ)	201462068416 P	H04J 13/00
(72) Sedlacek, Ivo	(32) 29.09.2015	(11) EP3767906
Wass, Mikael	05.11.2014	(21) EP20189419.3
Johansson, Kaj	24.10.2014	(22) 23.09.2016
(74) ir. A. Blokland c.s.	(33) United States of America	(54) APPARATUS FOR CONFIGURING DM-
(31) 201762572699 P	United States of America	RS FOR V2X
(32) 16.10.2017	United States of America	(73) Innovative Technology Lab Co., Ltd.
(33) United States of America	(47) 28.12.2022	(72) Yoon, Sung Jun
(47) 28.12.2022	(51) H04L 9/40	(31) 20160103277
(51) H04L 5/00	G06F 21/64	20160058976
H04L 1/00	H04L 9/32	20150136017
H04L 1/16	(11) EP3503500	(32) 12.08.2016
H04L 1/18	(21) EP18215721.4	13.05.2016
H04W 72/04	(22) 21.12.2018	25.09.2015
H04W 72/12	(54) METHOD FOR CREATING A REMOTE	(33) Korea (Republic)
(11) EP3697006	ELECTRONIC SIGNATURE USING THE	Korea (Republic)
(21) EP19781158.1	FIDO PROTOCOLE	Korea (Republic)
(22) 04.04.2019	(73) Certinomis	(47) 09.11.2022
(54) METHOD AND APPARATUS FOR	(72) LEROY, Franck	(51) H04L 51/234
SENDING AND RECEIVING UPLINK	(74) dr. A. Krebs	G06Q 50/18
CONTROL INFORMATION	(31) 1763143	H04W 4/14
(73) HUAWEI TECHNOLOGIES CO., LTD.	(32) 22.12.2017	H04W 12/06
(72) SUN, Hao	(33) France	G06Q 10/10
XUE, Lixia	(47) 19.10.2022	G06F 21/33
YANG, Fan	(51) H04L 9/40	H04L 9/40
(74) dr. W.A.H.M. Van Borm	H04W 12/041	(11) EP3461074
(31) 201810302333	H04W 12/069	(21) EP17382631.4
(32) 04.04.2018	(11) EP3345417	(22) 21.09.2017
(33) China	(21) EP16736089.0	(54) METHOD OF CERTIFICATION OF
(47) 21.12.2022	(22) 05.07.2016	AN ELECTRONIC CONTRACT FOR
(51) H04L 5/00	(54) METHOD TO AUTHENTICATE A	ELECTRONIC IDENTIFICATION AND
H04W 28/16	SUBSCRIBER IN A LOCAL NETWORK	TRUST SERVICES (EIDAS)
H04W 72/02	(73) Thales Dis France SAS	(73) Lleidanetworks Serveis Telemàtics, S.A.
(11) EP3883166	(72) PRADEN, Anne-Marie	(72) SAPENA SOLER, Francisco
(21) EP21153682.6	PAULIAC, Mireille	(74) ir. W.J.J.M. Kempes
(22) 06.09.2013	(74) ir. W.J.J.M. Kempes	(47) 21.12.2022
(54) METHOD AND APPARATUS FOR	(31) 15306361	(51) H04N 19/105
TRANSMITTING REFERENCE	(32) 04.09.2015	H04N 19/109

H04N 19/11	(21) EP18769540.8	(72) WALTHER, Andreas
H04N 19/119	(22) 17.08.2018	HERRE, Jurgen
H04N 19/136	(54) METHODS, SYSTEMS, AND	FALLER, Christof
H04N 19/176	MEDIA FOR PRESENTING A USER	KLAPP, Julian
H04N 19/196	INTERFACE IN A WEARABLE DEVICE	(74) ir. F.A. Geurts c.s.
H04N 19/46	(73) Google LLC	(31) 17169333
H04N 19/593	(72) AHN, Chul Jin	(32) 03.05.2017
(11) EP3567856	D'SOUZA, Julius	(33) European Patent Office (EPO)
(21) EP19184147.7	(74) dr. A. Krebs	(47) 02.11.2022
(22) 16.03.2010	(31) 201715807311	(51) H04W 4/00
(54) IMAGE PREDICTIVE DECODING	(32) 08.11.2017	H04B 7/26
DEVICE AND IMAGE PREDICTIVE	(33) United States of America	H04W 72/12
DECODING METHOD	(47) 28.12.2022	(11) EP3913932
(73) NTT DoCoMo, Inc.	(51) H04N 21/84	(21) EP21176400.6
(72) SUZUKI, Yoshinori	G09B 21/00	(22) 11.09.2007
BOON, Choong Seng	G10L 13/00	(54) METHOD AND APPARATUS IN A
(74) dr. ir. F.M. van Bouwelen	G10L 13/02	TELECOMMUNICATION SYSTEM
(31) 2009069975	H04H 60/72	(73) Telefonaktiebolaget LM Ericsson (publ)
(32) 23.03.2009	H04H 60/73	(72) Sâgfors, Mats
(33) Japan	H04N 21/235	Wager, Stefan
(47) 28.12.2022	H04N 21/435	Beming, Per
(51) H04N 19/18	G10L 13/04	Torsner, Johan
H04N 19/48	G10L 13/027	Peisa, Janne
H04N 19/51	H04N 21/262	(74) ir. A. Blokland c.s.
H04N 19/64	H04N 21/482	(31) 0601897
(11) EP3984225	H04N 21/488	(32) 13.09.2006
(21) EP20731152.3	(11) EP3171610	(33) Sweden
(22) 12.06.2020	(21) EP15821756.2	(47) 21.12.2022
(54) ENCODER AND METHOD OF	(22) 01.07.2015	(51) H04W 12/06
ENCODING A SEQUENCE OF FRAMES	(54) TRANSMISSION DEVICE,	H04W 12/08
(73) intoPIX s.a.	TRANSMISSION METHOD,	H04W 76/19
(72) PELLEGRIN, Pascal	RECEPTION DEVICE, AND	H04L 9/40
DEMAUDE, Guillaume	RECEPTION METHOD	H04L 67/14
ROUVROY, Gael	(73) Saturn Licensing LLC	(11) EP3878196
BUYSSCHAERT, Charles	(72) YAMANE, Taketoshi	(21) EP20755058.3
(74) ir. G.P. den Braber	YAMAGISHI, Yasuaki	(22) 07.02.2020
(31) 19179802	(74) dr. R.C. van Duijvenbode c.s.	(54) METHOD AND APPARATUS FOR
(32) 12.06.2019	(31) 2014144143	SUPPORTING REAUTHENTICATION
(33) European Patent Office (EPO)	(32) 14.07.2014	OF DN AUTHORIZED PDU SESSION
(47) 26.10.2022	(33) Japan	AND MANAGING PDU SESSION
(51) H04N 19/52	(47) 07.12.2022	ACCORDING TO CHANGE OF DN
H04N 19/61	(51) H04R 17/00	AUTHORIZATION DATA
(11) EP3826306	H04R 1/24	(73) Samsung Electronics Co., Ltd.
(21) EP20217808.3	H04R 7/04	(72) BAEK, Youngkyo
(22) 20.12.2011	H04R 17/10	LEE, Jicheol
(54) PREDICTIVE ENCODING METHOD,	(11) EP3725098	MOON, Sangjun
PREDICTIVE ENCODING DEVICE,	(21) EP18822455.4	(74) dr. R.C. van Duijvenbode c.s.
AND PREDICTIVE ENCODING	(22) 13.12.2018	(31) 20190017175
PROGRAM OF MOTION VECTOR,	(54) DISTRIBUTED MODE LOUDSPEAKER	(32) 14.02.2019
AND, PREDICTIVE DECODING	ACTUATOR INCLUDING PATTERNED	(33) Korea (Republic)
METHOD, PREDICTIVE DECODING	ELECTRODES	(47) 21.12.2022
DEVICE, AND PREDICTIVE DECODING	(73) Google LLC	(51) H04W 36/00
PROGRAM OF MOTION VECTOR	(72) HARRIS, Neil John	H04W 72/04
(73) NTT DoCoMo, Inc.	(74) ir. H.A. Witmans c.s.	(11) EP3755052
(72) FUJIBAYASHI, Akira	(31) 201715840232	(21) EP20163473.0
SUZUKI, Yoshinori	(32) 13.12.2017	(22) 20.09.2016
BOON, Choong Seng	(33) United States of America	(54) SUBBAND SWITCHING METHODS
(74) dr. ir. F.M. van Bouwelen	(47) 09.11.2022	AND DEVICES
(31) 2011002205	(51) H04S 7/00	(73) Huawei Technologies Co., Ltd.
(32) 07.01.2011	H04R 5/02	(72) LIU, Yalin
(33) Japan	(11) EP3619921	ZENG, Guangzhu
(47) 28.12.2022	(21) EP18714682.4	(74) ir. W.J.J.M. Kempes
(51) H04N 21/41	(22) 23.03.2018	(31) 201510670363
G06F 1/16	(54) AUDIO PROCESSOR, SYSTEM,	(32) 13.10.2015
G06F 3/01	METHOD AND COMPUTER PROGRAM	(33) China
H04N 21/414	FOR AUDIO RENDERING	(47) 02.11.2022
H04N 21/422	(73) Fraunhofer-Gesellschaft zur Förderung	(51) H04W 36/26
(11) EP3635963	der angewandten Forschung e.V.	H04W 36/14

H04W 36/22	(72) SENGUPTA, Ayan	(51) H04W 76/14
(11) EP3694258	RICO ALVARINO, Alberto	H04W 8/00
(21) EP20160307.3	LIU, Le	H04W 72/08
(22) 18.09.2016	(74) dr. R.C. van Duijvenbode c.s.	(11) EP3697169
(54) SYSTEM AND METHODS FOR	(31) 201816234375	(21) EP20160520.1
NETWORK SLICE RESELECTION	201862755400 P	(22) 28.12.2009
(73) Huawei Technologies Co., Ltd.	201862669704 P	(54) CENTRALIZED CONTROL OF PEER
(72) VRZIC, Sophie	201862652634 P	DISCOVERY TRANSMISSION
(74) ir. W.J.J.M. Kempes	201862710408 P	(73) QUALCOMM Incorporated
(31) 201615233285	201862621751 P	(72) AGRAWAL, Avneesh
201562220731 P	(32) 27.12.2018	BHUSHAN, Naga
(32) 10.08.2016	02.11.2018	PALANKI, Ravi
18.09.2015	10.05.2018	(74) dr. R.C. van Duijvenbode c.s.
(33) United States of America	04.04.2018	(31) 643845
United States of America	16.02.2018	141628 P
(47) 02.11.2022	25.01.2018	(32) 21.12.2009
(51) H04W 48/04	(33) United States of America	30.12.2008
H04W 76/30	United States of America	(33) United States of America
H04W 36/12	United States of America	United States of America
H04W 88/14	United States of America	(47) 21.12.2022
H04W 36/32	United States of America	(51) H05B 47/13
H04W 60/04	United States of America	(11) EP3107354
(11) EP3589026	(47) 21.12.2022	(21) EP15172793.0
(21) EP18772026.3	(51) H04W 72/04	(22) 18.06.2015
(22) 23.03.2018	H04L 1/18	(54) LIGHTING UNIT AND CONTROL
(54) METHOD AND DEVICE FOR	H04L 5/00	METHOD
MANAGING STATE OF SESSION	H04L 5/14	(73) Swisslux AG
ACCORDING TO POSITION	(11) EP3879904	(72) GLAUSER, Patrick
OF TERMINAL IN WIRELESS	(21) EP21169533.3	(47) 09.11.2022
COMMUNICATION SYSTEM	(22) 26.02.2016	(51) H05B 47/19
(73) Samsung Electronics Co., Ltd.	(54) SELF-CONTAINED TIME DIVISION	H05B 47/115
(72) BAE, Beomsik	DUPLEX (TDD) SUBFRAME	G08C 17/02
MOON, Sangjun	STRUCTURE	G08B 5/36
LEE, Jinsung	(73) QUALCOMM Incorporated	G08B 21/22
PARK, Jungshin	(72) MUKKAVILLI, Krishna Kiran	A47G 27/02
LEE, Hyungho	Ji, Tingfang	(11) EP3366089
KWEON, Kisuk	BHUSHAN, Naga	(21) EP16858214.6
LEE, Jicheol	SORIAGA, Joseph Binamira	(22) 20.10.2016
(74) dr. R.C. van Duijvenbode c.s.	SMEE, John Edward	(54) NIGHT-LIGHT AND ALERT SYSTEM
(31) 20170037169	JIANG, Jing	(73) Home Care Providers, Inc.
(32) 23.03.2017	(74) dr. R.C. van Duijvenbode c.s.	(72) Bashore, Shawn
(33) Korea (Republic)	(31) 201514940546	Brar, Dev
(47) 21.12.2022	201562133386 P	(74) ir. H.A. Witmans c.s.
(51) H04W 48/16	(32) 13.11.2015	(31) 201514920454
H04W 24/10	15.03.2015	(32) 22.10.2015
H04W 88/06	(33) United States of America	(33) United States of America
H04W 80/08	United States of America	(47) 16.11.2022
H04W 48/18	(47) 21.12.2022	(51) H05K 3/10
(11) EP3567934	(51) H04W 74/08	H05K 3/32
(21) EP17895534.0	H04W 4/70	(11) EP3491899
(22) 07.02.2017	(11) EP3456135	(21) EP17754425.1
(54) DATA TRANSMISSION METHOD,	(21) EP17724713.7	(22) 28.07.2017
TERMINAL, AND ACCESS NETWORK	(22) 10.05.2017	(54) LIGHT-EMITTING DEVICE AND
ELEMENT	(54) ORDERED PHYSICAL RANDOM	METHOD FOR MANUFACTURING
(73) Huawei Technologies Co., Ltd.	ACCESS CHANNEL RESOURCE	SAME
(72) JIN, Weisheng	MANAGEMENT	(73) Linxens Holding
(74) ir. W.J.J.M. Kempes	(73) QUALCOMM Incorporated	(72) EYMARD, Eric
(47) 02.11.2022	(72) WANG, Xiao Feng	MATHIEU, Christophe
(51) H04W 52/02	WANG, Renqiu	DESCHAMPS, Jérôme
H04W 56/00	XU, Hao	(74) ir. W.J.J.M. Kempes
H04J 11/00	(74) dr. R.C. van Duijvenbode c.s.	(31) 1657333
H04L 27/26	(31) 201715591082	(32) 28.07.2016
(11) EP3744128	201662336548 P	(33) France
(21) EP18836338.6	(32) 09.05.2017	(47) 02.11.2022
(22) 28.12.2018	13.05.2016	(51) H05K 7/20
(54) RESYNCHRONIZATION SIGNAL	(33) United States of America	(11) EP3917300
DESIGN	United States of America	(21) EP20315287.1
(73) QUALCOMM Incorporated	(47) 21.12.2022	(22) 29.05.2020

(54) UNINTERRUPTIBLE POWER SUPPLY
HAVING A LIQUID COOLING DEVICE

(73) OVH

(72) Bauchart, Grégory Francis Louis
Bauduin, Hadrien
Chehade, Ali

(74) J.M.H. Duyver lic.

(47) 28.12.2022

EP4**Voor Nederland verleende gewijzigde Europese octrooien.****Contains data concerning European patents granted in amended form (B2 or B3 publications).**

(51) A61B 5/00	(72) Bellante, Daniele
(11) EP2549918	(47) 02.05.2018
(21) EP11760268.0	(51) C02F 1/52
(22) 24.03.2011	A61L 11/00
(54) MEDICAL DEVICE INSERTERS AND PROCESSES OF INSERTING AND USING MEDICAL DEVICES	(11) EP1791792
(73) Abbott Diabetes Care, Inc.	(21) EP05805575.7
(72) DONNAY, Manuel, L.	(22) 06.09.2005
PACE, Louis, G.	(54) USE OF PARTLY PRE-HYDRATED LIME FOR SEPARATING A MIXTURE OF SOLID/LIQUID MATTERS, METHOD FOR TREATING SLUDGE AND PURIFIED SLUDGE OBTAINED BY SAID METHOD
ROBINSON, Peter, G.	(73) Gombart, Marc
NGUYEN, Tuan	Carmeuse Chaux
(31) 317243 P	(72) GOMBART, Marc
361374 P	TILQUIN, Jean-Yves
345562 P	BARTIAUX, Stéphane
411262 P	(31) 0409767
(32) 24.03.2010	(32) 15.09.2004
02.07.2010	(33) France
17.05.2010	(47) 31.05.2017
08.11.2010	(51) C08F 2/04
(33) United States of America	C08F 10/02
United States of America	C08F 4/64
United States of America	C08F 210/16
United States of America	C08L 7/00
(47) 29.06.2016	C08F 4/659
(51) A61K 9/20	(11) EP2024402
A61K 31/56	(21) EP07776022.1
A61P 1/00	(22) 24.04.2007
A61P 1/04	(54) HIGH TEMPERATURE SOLUTION POLYMERIZATION PROCESS
A61P 29/00	(73) Dow Global Technologies LLC
A61K 9/00	(74) ir. J.D. de Zeeuw
(11) EP3041476	(72) KONZE, Wayde, V.
(21) EP14842811.3	VANDERLENDE, Daniel, D.
(22) 05.09.2014	KARJALA, Thomas
(54) CORTICOSTEROID CONTAINING ORALLY DISINTEGRATING TABLET COMPOSITIONS FOR EOSINOPHILIC ESOPHAGITIS	(31) 801182 P
(73) Adare Pharmaceuticals US, L.P.	(32) 17.05.2006
(74) dr. A. Krebs	(33) United States of America
(72) GOSSELIN, Michael, A.	(47) 25.10.2017
LAI, Jin-Wang	
VENKATESH, Gopi,M.	
(31) 201361874450 P	
(32) 06.09.2013	
(33) United States of America	
(47) 06.11.2019	
(51) B25J 15/00	
B65B 35/56	
B65G 47/244	
B65D 77/04	
B65G 47/91	
(11) EP2853357	
(21) EP14191300.4	
(22) 16.03.2011	
(54) Machine and method for cartoning articles	
(73) Cama1 S.p.A.	
(74) dr. A. Ellens c.s.	

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) A23F 5/36	(51) C08G 18/48
A23F 5/40	C08G 65/26
A23P 30/40	(11) EP2475700
(11) EP2938202	(21) EP10752339.1
(21) EP13817688.8	(22) 07.09.2010
(22) 23.12.2013	(54) PROCESS FOR PREPARING A
(54) PROCESS OF PREPARING A	POLYURETHANE FOAM
FOAMING AID, THE FOAMING AID AND	(73) Shell Internationale Research
USES	Maatschappij B.V.
(73) Nestec S.A.	(72) MINEUR, Waltherus Petrus Casparus
(72) LELOUP, Valérie Martine, Jeanine	VAN EETVELDE, Els
MORA, Federico	SWAN, Christophe Martin
DOSSIN, Eric	ELEVELD, Michiel Barend
MONTAVON, Philippe	TAN, Tiew Imm
(74) ir. F.A. Geurts c.s.	(74) ir. W.J.J.M. Kempes
(31) 12199585	(31) 09169634
(32) 28.12.2012	(32) 07.09.2009
(33) European Patent Office (EPO)	(33) European Patent Office (EPO)
(47) 22.05.2019	(47) 05.11.2014
(51) B01J 20/34	(51) G01N 21/90
B01D 53/04	G01N 21/95
B01D 53/26	G01N 21/88
(11) EP3099408	B29C 65/82
(21) EP15743513.2	(11) EP2732273
(22) 23.01.2015	(21) EP12744080.8
(54) SYSTEM FOR REGENERATING	(22) 11.07.2012
AN ADSORBENT IN AN OFF-LINE	(54) METHOD OF ACQUIRING SEVERAL
ADSORPTION CHAMBER	IMAGES OF THE SAME PACKAGE
(73) SPX Flow Technology USA, Inc.	WITH THE AID OF A SINGLE LINEAR
(72) FOX, Timothy, J.	CAMERA
THELEN, John, E.	(73) Bizerba Luceo
(74) ir. H.A. Witmans c.s.	(72) OLLIVIER, Michel
(31) 201414169569	ETIENNE, Jacques
(32) 31.01.2014	PIROT, Eric
(33) United States of America	ROUBERT, Laurent
(47) 15.01.2020	(74) dr. ir. G.J.C. Verdijk c.s.
(51) C02F 1/42	(31) 1156303
C02F 101/16	(32) 11.07.2011
C02F 1/28	(33) France
A61K 33/00	(47) 29.08.2018
(11) EP2358642	
(21) EP09756716.8	
(22) 16.11.2009	
(54) CLINOPTILOLITE OR CLINOPTILOLITE	
COMPRISING MIXTURES	
(73) Froximun AG	
(72) STEIMECKE, Günter	
HOFFMANN, Steffen	
GÖRNER, Thomas	
(74) ir. W.J.J.M. Kempes	
(31) 102008043959	
102008043967	
(32) 21.11.2008	
21.11.2008	
(33) Germany	
Germany	
(47) 19.06.2019	

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

(21) 301202	(68) EP2653873
(22) 01.11.2022	(54) Compositions and uses for treating
(11) 301202	Multiple Sclerosis
(73) Kissei Pharmaceutical Co., Ltd.	(94) 362
(74) dr. R.C. van Duijvenbode c.s.	(95) dimethylfumaraat
(68) EP1939204	(93) EU/1/13/837 03.02.2014
(54) FUSED HETEROCYCLIC DERIVATIVE, MEDICINAL COMPOSITION CONTAINING THE SAME, AND MEDICINAL USE THEREOF	
(94) 16.10.2031	
(95) Linzagolix, of een farmaceutisch aanvaardbaar zout daarvan, zoals linzagolix choline	
(93) EU/1/21/1606 17.06.2022	
(47) 24.01.2023	
(21) 301206	
(22) 13.12.2022	
(11) 301206	
(73) Oncopeptides AB	
(74) ir. A. Blokland c.s.	
(68) EP2701720	
(54) LYOPHILIZED PREPARATION OF CYTOTOXIC DIPEPTIDES	
(94) 24.04.2037	
(95) melphalan flufenamide hydrochloride	
(93) EU/1/22/1669 18.08.2022	
(47) 24.01.2023	
(21) 301209	
(22) 16.12.2022	
(11) 301209	
(73) Incyte Holdings Corporation	
(74) ir. H.A. Witmans c.s.	
(68) EP2099447	
(54) IMIDAZOTRIAZINES AND IMIDAZOPYRIMIDINES AS KINASE INHIBITORS.	
(94) 18.11.2032	
(95) capmatinib of een farmaceutisch aanvaardbaar zout daarvan	
(93) EU/1/22/1650 21.06.2022	
(47) 24.01.2023	
(21) 301214	
(22) 17.01.2023	
(11) 301214	
(74) ir. J.C. Volmer c.s.	
(68) EP2413933	
(54) 2,4,6-TRIFLUORO-N-[6-(1-METHYL- PIPERIDIN-4-CARBONYL)- PYRIDIN-2-YL]-BENZAMIDE FOR THE TREATMENT OF MIGRAINE VIA THE ORAL OR INTRAVENOUS ROUTE	
(94) 1826	
(95) RAYVOW – Lasmiditan	
(93) EU/1/21/1587 19.08.2022	
(21) 301215	
(22) 20.01.2023	
(11) 301215	
(74) ir. H.A. Witmans c.s.	

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.

	23.03.2022
(11) EP3052004	(11) EP3611083
(51) A61B 3/113	(51) B62D 53/08
A61B 5/11	(00) 12/22
A61B 3/18	23.03.2022
G09G 5/30	(11) EP3690029
G09G 5/37	(51) C12N 5/00
G09G 5/377	C14C 13/00
(00) 13/22	D06N 3/00
30.03.2022	(00) 12/22
(11) EP3071046	23.03.2022
(51) A23J 1/14	(11) EP3697887
A23J 3/14	(51) C12M 1/00
(00) 12/22	C12M 1/34
23.03.2022	(00) 14/22
(11) EP3224540	06.04.2022
(51) F21V 14/06	(11) EP3731939
F21V 29/89	(51) A41D 13/00
F21Y 107/50	A41D 31/10
F21Y 115/10	A62D 5/00
F21W 107/20	A62B 17/00
(00) 23.01.2023	G21F 3/02
(00) 18/19	(00) 14/22
01.05.2019	06.04.2022
(00) Restoration of rights	(11) EP3829351
(00) Lumishore Limited	(51) A24D 1/20
(11) EP3322557	A24D 1/00
(51) B24B 5/16	A24D 1/02
B24B 5/26	(00) 12/22
(00) 12/22	23.03.2022
23.03.2022	(11) EP3904572
(11) EP3374537	(51) D01G 31/00
(51) C23C 14/48	D01H 13/32
C23C 14/02	(00) 14/22
(00) 14/22	06.04.2022
06.04.2022	(11) EP3906982
(11) EP3388777	(51) B01D 15/36
(51) F42B 10/64	B01J 20/28
F42B 10/26	B01J 41/20
(00) 20.01.2023	B01D 15/12
(00) 16/22	B01J 20/32
20.04.2022	C12N 15/10
(00) Restoration of rights	(00) 11/22
(00) Elbit Systems - Rokar Ltd	16.03.2022
(11) EP3438131	
(51) C07K 1/13	
G01N 33/532	
C12P 21/00	
A61K 47/54	
G01N 33/531	
(00) 11/22	
16.03.2022	
(11) EP3440131	
(51) C08K 3/34	
C08K 3/04	
B60C 1/00	
C01B 33/22	
(00) 12/22	

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.

	F16D 13/76
(11) EP1654344	(11) EP3399595
(51) C11B 1/02	(51) H01Q 15/00
(11) EP1756280	H01Q 1/12
(51) A01H 5/10	H01Q 1/32
C11B 1/00	(00) 33/22
C12N 15/53	17.08.2022
C12N 15/82	(11) EP3453464
(00) 40/15	(51) B05D 1/28
30.09.2015	B05D 1/40
(11) EP2166069	B05D 3/06
(51) A23D 9/00	B05D 3/12
A23D 9/02	B05D 5/02
C11B 1/00	B05D 7/06
C12N 9/02	E04F 15/04
C12N 15/82	(00) 36/21
C12P 7/64	08.09.2021
A23L 33/115	(11) EP3470457
(00) 16/17	(51) B60C 1/00
19.04.2017	C08K 3/04
(11) EP2166089	(11) EP3604296
(51) C12N 9/10	(51) C07D 209/86
(00) 19/16	C07D 405/14
11.05.2016	C07D 409/14
(11) EP2604298	C07D 487/04
(51) A61L 12/08	C07D 491/048
C11D 3/382	C07D 495/04
C11D 3/48	C09K 11/06
A01N 65/12	H01L 51/00
(00) 04/17	H01L 51/50
25.01.2017	(00) 22/22
(11) EP2678097	01.06.2022
(51) C05C 9/00	(11) EP3611173
C05G 3/00	(51) C07D 405/14
C07C 273/02	C07D 409/14
(00) 02/17	C07D 471/04
11.01.2017	C07D 487/04
(11) EP2858679	C07D 491/048
(51) A61K 9/00	C07D 495/04
A61K 31/7088	C07D 519/00
A61K 48/00	C09K 11/06
A61P 43/00	H01L 51/00
C12N 15/88	H01L 51/50
(11) EP2970456	(00) 22/22
(51) C07K 16/22	01.06.2022
C07K 16/24	(11) EP3656765
C12N 15/88	(51) A61K 31/137
(11) EP3144249	C07C 59/255
(51) B65D 85/10	C07C 215/54
(11) EP3280416	C07D 239/545
(51) A61K 9/00	C07D 275/06
A61K 9/10	C07D 291/06
A61K 31/519	(00) 21/21
A61P 25/18	26.05.2021
A61P 25/24	
(11) EP3371472	
(51) F16D 13/08	

MED

Overige mededelingen.

Contains data concerning other communications.

(11) 2011591	(00) 18.01.2023	(51) C08L 95/00
(00) 18.01.2023	(51) C08F 297/04	(00) Established
(51) C08F 297/04	C08L 53/02	(11) EP1996681
C08L 9/08	C09J 7/02	(00) 18.01.2023
(00) Established	C09J 153/02	(51) C10L 1/16
(11) 2014106	(00) Established	C10M 143/12
(00) 20.01.2023	(11) EP1599556	C10M 171/04
(51) A61B 17/322	(00) 18.01.2023	C10M 177/00
(00) Established	(51) C09J 7/02	(00) Established
(11) 2029646	C09J 153/02	(11) EP1999205
(00) 19.01.2023	(00) Established	(00) 18.01.2023
(51) C11B 1/10	(11) EP1631604	(51) C08F 8/04
C11B 1/04	(00) 18.01.2023	C08F 287/00
A23L 33/16	(51) C08F 297/04	C08L 51/00
A23L 33/115	C08L 53/02	C08L 53/02
(11) EP1474458	(00) Established	(00) Established
(00) 18.01.2023	(11) EP1699869	(11) EP1999206
(51) C08F 287/00	(00) 18.01.2023	(00) 18.01.2023
C08F 297/04	(51) C08F 297/04	(51) C08F 297/04
(00) Established	C08L 53/02	C08L 53/02
(11) EP1474459	C09J 153/02	(00) Established
(00) 18.01.2023	(00) Established	(11) EP1999207
(51) C08F 8/04	(11) EP1730201	(00) 18.01.2023
C08F 287/00	(00) 18.01.2023	(51) C08F 8/04
C08F 297/04	(51) C08F 8/00	C08F 287/00
C08L 53/02	C08F 297/04	C08F 297/04
C08L 91/00	C08L 53/02	C08L 51/00
(00) Established	(00) Established	C08L 53/02
(11) EP1474481	(11) EP1791792	(00) Established
(00) 18.01.2023	(51) C02F 1/52	(11) EP1999208
(51) C08F 8/04	A61L 11/00	(00) 18.01.2023
C08F 297/04	(11) EP1816149	(51) C08F 8/04
C08K 5/01	(00) 18.01.2023	C08F 297/04
C08L 53/02	(51) C08F 297/04	C08L 53/02
C08L 91/00	(00) Established	(00) Established
(00) Established	(11) EP1858974	(11) EP2010586
(11) EP1474496	(00) 18.01.2023	(00) 18.01.2023
(00) 18.01.2023	(51) C08F 297/04	(51) C08F 297/04
(51) C08F 8/04	C08L 53/02	C08L 53/02
C08F 297/04	(00) Established	(00) Established
C09J 153/02	(11) EP1869113	(11) EP2024402
C09J 191/00	(00) 18.01.2023	(51) C08F 2/04
(00) Established	(51) C08J 9/32	C08F 10/02
(11) EP1483328	(00) Established	C08F 4/64
(00) 18.01.2023	(11) EP1919963	C08F 210/16
(51) C08F 287/00	(00) 18.01.2023	C08L 7/00
C08F 297/04	(51) A61F 13/15	C08F 4/659
C08L 23/00	B01D 67/00	(11) EP2087174
C08L 25/00	C08L 41/00	(00) 18.01.2023
C08L 53/00	D04H 1/42	(51) C08F 212/08
C08L 91/00	H01M 8/10	C08F 236/06
C08L 101/00	(00) Established	C08F 236/10
(00) Established	(11) EP1948732	C08F 297/04
(11) EP1521787	(00) 18.01.2023	C08L 9/08
(00) 18.01.2023	(51) C08L 25/00	C08L 25/10
(51) C08F 8/04	C08L 25/10	C08L 53/00
C08F 297/04	C08L 53/02	C08L 53/02
C08L 53/02	C08L 95/00	C08L 95/00
(00) Established	(00) Established	C09D 195/00
(11) EP1576068	(11) EP1951817	C09J 195/00
	(00) 18.01.2023	E01C 5/12

E01C 7/26	(11) EP2589624	C08L 67/00
(00) Established	(00) 18.01.2023	C08L 75/04
(11) EP2162497	(51) C08L 53/02	C09D 153/02
(00) 18.01.2023	C08L 95/00	C09J 153/02
(51) C08F 297/04	(00) Established	D04H 13/00
C08L 53/02	(11) EP2621966	D04H 1/4209
C08L 95/00	(00) 18.01.2023	D04H 3/002
(00) Established	(51) C08F 8/36	(00) Established
(11) EP2195381	C08J 5/18	(11) EP2825298
(00) 18.01.2023	C08L 53/02	(00) 18.01.2023
(51) B41N 1/12	(00) Established	(51) B01D 71/68
C08F 297/04	(11) EP2630167	B01D 71/80
C09J 153/02	(00) 18.01.2023	C08F 8/36
G03F 7/033	(51) C08F 8/34	C08F 297/04
(00) Established	C08F 8/36	C08L 53/02
(11) EP2259934	(00) Established	(00) Established
(00) 18.01.2023	(11) EP2731998	(11) EP2853357
(51) B60C 1/00	(00) 18.01.2023	(51) B25J 15/00
C08F 297/04	(51) B01D 61/44	B65B 35/56
C08L 53/02	B01D 61/48	B65G 47/244
(00) Established	B01D 71/28	B65D 77/04
(11) EP2274351	B01D 71/68	B65G 47/91
(00) 18.01.2023	B01D 71/80	(11) EP2897990
(51) C08F 6/02	C02F 1/44	(00) 18.01.2023
C08F 8/34	C02F 1/469	(51) C08F 12/08
C08F 8/36	C08L 81/04	C08F 112/08
C08F 8/42	H01M 8/10	C08J 5/18
C08F 293/00	(00) Established	C08K 5/00
C08F 297/00	(11) EP2773698	C08L 53/02
C08F 297/04	(00) 18.01.2023	(00) Established
C08K 5/00	(51) B32B 17/00	(11) EP2940072
(00) Established	B32B 27/30	(00) 18.01.2023
(00) Het aandeel van Kraton Polymers US	B32B 37/00	(51) B60C 1/00
LLC wordt verpand aan GOLDMAN	C08L 53/02	C08L 21/00
SACHS BANK USA	(00) Established	(00) Established
(11) EP2406315	(11) EP2776504	(11) EP2943514
(00) 18.01.2023	(00) 18.01.2023	(00) 18.01.2023
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B29C 41/18	C08F 297/04	B01D 61/44
C08L 53/02	C08G 81/02	B01D 65/10
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C08L 53/02	C08L 23/00	C08K 7/14
C09D 153/02	C08L 23/20	C08L 21/00
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(00) 18.01.2023
(51) C09F 1/02
(00) Established
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VRV

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(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3785396	(11) EP3802015	(11) EP3818103
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3785463	(11) EP3802723	(11) EP3818277
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
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(11) EP3786032	(11) EP3803158	(11) EP3818584
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3786571	(11) EP3804415	(11) EP3818733
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3786757	(11) EP3804468	(11) EP3818958
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3787120	(11) EP3805636	(11) EP3820381
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3789777	(11) EP3809228	(11) EP3820922
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3789835	(11) EP3809487	(11) EP3821129
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3791197	(11) EP3810451	(11) EP3822168
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3791239	(11) EP3810566	(11) EP3824203
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(11) EP3791406	(11) EP3812224	(11) EP3824441
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3794230	(11) EP3812588	(11) EP3827355
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3794776	(11) EP3813210	(11) EP3831263
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3795022	(11) EP3813257	(11) EP3831502
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(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3795476	(11) EP3814169	(11) EP3832181
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(11) EP3800004	(11) EP3814595	(11) EP3832186
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(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3800053	(11) EP3815174	(11) EP3833514
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(11) EP3800073	(11) EP3815466	(11) EP3833517
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(11) EP3800119	(11) EP3815586	(11) EP3834215
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
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(11) EP3800424	(11) EP3816262	(11) EP3834891
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(11) EP3801716	(11) EP3816511	(11) EP3835148
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3836163	(11) EP3853112	(11) EP3873064
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
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(11) EP3836264	(11) EP3854346	(11) EP3873685
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
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(11) EP3837942	(11) EP3854505	(11) EP3874191
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(11) EP3838217	(11) EP3855970	(11) EP3874331
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3838376	(11) EP3856576	(11) EP3875845
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3840005	(11) EP3856870	(11) EP3877225
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3840612	(11) EP3858973	(11) EP3879341
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3841140	(11) EP3859763	(11) EP3880512
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(11) EP3841154	(11) EP3860472	(11) EP3881602
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(11) EP3841334	(11) EP3860510	(11) EP3882422
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(11) EP3842775	(11) EP3860674	(11) EP3882713
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(11) EP3843189	(11) EP3862237	(11) EP3884062
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(11) EP3845341	(11) EP3863122	(11) EP3884152
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
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(11) EP3846413	(11) EP3863906	(11) EP3884311
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(11) EP3846461	(11) EP3864538	(11) EP3887015
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(11) EP3847676	(11) EP3865071	(11) EP3888190
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(11) EP3848073	(11) EP3868662	(11) EP3890910
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(11) EP3848541	(11) EP3868901	(11) EP3892805
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
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(11) EP3849519	(11) EP3868902	(11) EP3892886
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(11) EP3850074	(11) EP3870852	(11) EP3893313
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
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(11) EP3851755	(11) EP3871304	(11) EP3899494
(00) 21.09.2022	(00) 21.09.2022	(00) 21.09.2022
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(11) EP3851869	(11) EP3872973	(11) EP3902692
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(11) EP3903089	(11) EP3972127
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(11) EP3904008	(11) EP3995097
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(11) EP3905275	(11) EP3997001
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(11) EP3908260	(11) EP4006922
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(11) EP3911716	
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(11) EP3912443	
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(11) EP3914527	
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(11) EP3940185	
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(11) EP3945375	
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(11) EP3945952	
(00) 21.09.2022	
(00) EPV Ceased Effect	
(11) EP3947624	
(00) 21.09.2022	

VRB

Verbeteringen op eerdere publicaties. Contains data concerning corrections.

(11) 2028595
(48) 25.01.2023
(00) Correctie tenaamstelling/octrooihouder(s)
(51) G01N 21/78
 G01N 33/14
 G01N 21/29
 G01N 31/22
 G01K 11/12

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) Schur Flexibles Benelux B.V.	G08B 1/00	C22B 7/00
(73) adapa the Netherlands Leek B.V.	H01Q 1/08	C22B 11/00
(11) 2006781	H01Q 1/14	C22B 13/00
(00) 19.01.2023	H01Q 1/22	(00) Change of owner(s) name
(51) A24F 23/02	H01R 13/24	(71) TWIN TECH B.V.
(00) Change of owner(s) name	H05K 3/32	(73) TWIN TECH B.V.
(71) adapa the Netherlands Leek B.V.	(00) Merge	(11) EP2514634
(73) adapa the Netherlands Leek B.V.	(71) Metso Outotec Finland Oy	(00) 23.01.2023
(11) 2006781	(73) Metso Outotec Finland Oy	(51) B60P 1/16
(00) 19.01.2023	(11) EP2859128	B60P 1/28
(51) A24F 23/02	(00) 18.01.2023	B60P 1/43
(00) Change of owner(s) name	(51) C22B 1/242	B60P 3/12
(71) Metso Minerals Oy	C22B 7/00	(00) Assignment
(73) Metso Outotec Finland Oy	C22B 7/02	(71) KRATON CHEMICAL, LLC
(11) EP1587962	(00) Change of owner(s) name	(73) KRATON CHEMICAL, LLC
(00) 18.01.2023	(71) Metso Minerals Oy	(11) EP3049475
(51) C21B 11/08	(73) Metso Outotec Finland Oy	(00) 18.01.2023
C21B 13/10	(11) EP2859128	(51) C08K 5/00
(00) Merge	(00) 18.01.2023	C08L 23/08
(71) OUTOTEC (FINLAND) OY	(51) C22B 1/242	C08L 93/04
(73) Metso Outotec Finland Oy	C22B 7/00	C09J 193/04
(11) EP1587962	C22B 7/02	(00) Change of owner(s) name
(00) 18.01.2023	(00) Merge	(71) Sociis B.V.
(51) C21B 11/08	(71) Takeda Pharmaceutical Company	(73) Sociis B.V.
C21B 13/10	Limited	(11) 2018476
(00) Assignment	Universidad Autónoma de Madrid	(00) 19.01.2023
(71) Metso Outotec Finland Oy	(73) Takeda Pharmaceutical Company	(51) A62C 37/00
(73) Metso Outotec Finland Oy	Limited	(00) Change of owner(s) name
(11) EP1587962	Universidad Autónoma de Madrid	(71) Medannex Limited
(00) 18.01.2023	(11) EP1803472	(73) Medannex Limited
(51) C21B 11/08	(00) 19.01.2023	(11) EP2791167
C21B 13/10	(51) A61K 35/36	(00) 23.01.2023
(00) Change of owner(s) name	A61L 17/14	(51) A61P 25/18
(71) Metso Outotec Finland Oy	A61L 27/38	A61P 25/22
(73) Metso Outotec Finland Oy	(00) Assignment	A61P 25/24
(11) EP2627949	(71) TiGenix N.V.	C07K 16/18
(00) 18.01.2023	(73) Takeda Pharmaceutical Company	(00) Assignment
(51) F23D 11/06	Limited	(71) OUTOTEC (FINLAND) OY
(00) Change of owner(s) name	Universidad Autónoma de Madrid	(73) Metso Outotec Finland Oy
(71) BAADER Food Systems Denmark A/S	(11) EP1803472	(11) EP2563522
(73) BAADER Food Systems Denmark A/S	(00) 19.01.2023	(00) 18.01.2023
(11) EP2552223	(51) A61K 35/36	(51) B03D 1/02
(00) 20.01.2023	A61L 17/14	C22B 3/00
(51) A22C 21/00	A61L 27/38	C22B 7/00
(00) Change of owner(s) name	(00) Change of owner(s) name	C22B 11/00
(71) Metso Minerals Oy	(71) Metso Minerals Oy	C22B 13/00
Saacke GmbH	(73) Metso Outotec Finland Oy	(00) Assignment
(73) Metso Outotec Finland Oy	(11) EP2563522	(71) Metso Minerals Oy
Saacke GmbH	(00) 18.01.2023	(73) Metso Outotec Finland Oy
(11) EP2627949	(51) B03D 1/02	(11) EP3030840
(00) 18.01.2023	C22B 3/00	(00) 18.01.2023
(51) F23D 11/06	C22B 7/00	(51) C22B 1/24
(00) Merge	C22B 11/00	F23C 7/06
(71) HAGER SAFETY	C22B 13/00	F23C 9/00
(73) HAGER SAFETY	(00) Merge	F23D 14/22
(11) EP2804255	(71) Metso Outotec Finland Oy	F23D 14/84
(00) 19.01.2023	(73) Metso Outotec Finland Oy	F27B 21/06
(51) H01R 12/71	(11) EP2563522	F23D 99/00
	(00) 18.01.2023	(00) Merge
	(51) B03D 1/02	(71) PRO-IRODA INDUSTRIES, INC.
	C22B 3/00	(73) PRO-IRODA INDUSTRIES, INC.

(11) EP2865734	(51) F23C 6/04	E21B 43/12
(00) 18.01.2023	F23D 14/22	(00) Assignment
(51) C07C 31/20	F23D 14/66	(71) Sonendo, Inc.
C10L 1/02	F23L 15/00	(73) Sonendo, Inc.
C10L 7/04	F23D 99/00	(11) EP2838467
C10L 11/04	(00) Change of owner(s) name	(00) 18.01.2023
F23D 3/18	(71) Metso Outotec Finland Oy	(51) A61C 17/02
F23Q 13/04	(73) Metso Outotec Finland Oy	(00) Assignment
F24C 5/00	(11) EP3030840	(71) Lieyafan Beheer BV
F24C 5/04	(00) 18.01.2023	(73) Lieyafan Beheer BV
(00) Assignment	(51) C22B 1/24	(11) 2024061
(71) Silentwheels Holding B.V.	F23C 7/06	(00) 19.01.2023
(73) Silentwheels Holding B.V.	F23C 9/00	(51) B26D 1/03
(11) 2019241	F23D 14/22	B26D 3/08
(00) 17.01.2023	F23D 14/84	B26D 3/26
(51) A45C 5/14	F27B 21/06	B26D 3/28
(00) Assignment	F23D 99/00	B26D 7/26
(71) Metso Minerals Oy	(00) Change of owner(s) name	(00) Change of owner(s) name
(73) Metso Outotec Finland Oy	(71) Metso Outotec Finland Oy	(71) Les Laboratoires Servier
(11) EP2992268	(73) Metso Outotec Finland Oy	(73) Les Laboratoires Servier
(00) 18.01.2023	(11) EP3500376	(11) EP3019483
(51) C02F 9/00	(00) 18.01.2023	(00) 17.01.2023
C02F 11/00	(51) B07B 1/14	(51) A61K 31/395
C02F 11/06	B07B 1/50	A61P 35/00
C02F 11/10	(00) Change of owner(s) name	C07D 251/18
C02F 101/20	(71) Metso Minerals Oy	C07D 401/04
F23G 5/02	(73) Metso Outotec Finland Oy	C07D 403/04
(00) Merge	(11) EP3500376	C07D 405/14
(71) Metso Outotec Finland Oy	(00) 18.01.2023	C07D 409/04
(73) Metso Outotec Finland Oy	(51) B07B 1/14	C07D 417/04
(11) EP3417080	B07B 1/50	(00) Assignment
(00) 18.01.2023	(00) Merge	(71) Metso Minerals Oy
(51) C22B 1/16	(71) Schröder Iluminação SA	(73) Metso Outotec Finland Oy
C22B 1/20	(73) Schröder Iluminação SA	(11) EP3417080
C22B 1/24	(11) 2027062	(00) 18.01.2023
(00) Change of owner(s) name	(00) 20.01.2023	(51) C22B 1/16
(71) PACIFIC BIOSCIENCES OF CALIFORNIA, INC.	(51) G06F 9/50	C22B 1/20
(73) PACIFIC BIOSCIENCES OF CALIFORNIA, INC.	(00) Assignment	C22B 1/24
(11) EP3507386	(71) SnowValley Agricultural Group Co., Ltd.	(00) Merge
(00) 23.01.2023	(73) SnowValley Agricultural Group Co., Ltd.	(71) Metso Outotec Finland Oy
(51) C12Q 1/6832	(11) 2026588	(73) Metso Outotec Finland Oy
C12Q 1/6869	(00) 19.01.2023	(11) EP2992268
(00) Assignment	(51) A01G 25/02	(00) 18.01.2023
(71) OMNIOME, LLC	A01C 23/04	(51) C02F 9/00
(73) PACIFIC BIOSCIENCES OF CALIFORNIA, INC.	(00) Change of owner(s) name	C02F 11/00
(11) EP3507386	(71) Schröder Iluminação SA	C02F 11/06
(00) 23.01.2023	(73) Schröder Iluminação SA	C02F 11/10
(51) C12Q 1/6832	(11) 2027738	C02F 101/20
C12Q 1/6869	(00) 20.01.2023	F23G 5/02
(00) Merge	(51) H05B 47/105	(00) Change of owner(s) name
(71) Metso Minerals Oy	H05B 47/175	(71) Atlantis Rubber Powders B.V.
(73) Metso Outotec Finland Oy	H04W 4/38	(73) Atlantis Rubber Powders B.V.
(11) EP3295084	(00) Assignment	(11) 2024848
(00) 18.01.2023	(71) TWIN TECH B.V.	(00) 17.01.2023
(51) F23C 6/04	(73) TWIN TECH B.V.	(51) C09C 1/48
F23D 14/22	(11) EP3243698	C09C 1/56
F23D 14/66	(00) 23.01.2023	(00) Change of owner(s) name
F23L 15/00	(51) B60P 1/04	(71) DELMIC IP B.V.
F23D 99/00	B60P 1/28	(73) DELMIC IP B.V.
(00) Merge	B60P 1/43	(11) 2024861
(71) Metso Outotec Finland Oy	B60P 3/12	(00) 18.01.2023
(73) Metso Outotec Finland Oy	(00) Assignment	(51) H01J 37/22
(11) EP3295084	(71) Energy Transition Technologies B.V.	H01J 37/28
(00) 18.01.2023	(73) Energy Transition Technologies B.V.	(00) Assignment
	(11) 1044081	(71) Metso Outotec Finland Oy
	(00) 18.01.2023	BRD, vertr. d. den Bundesminister für
	(51) E21B 7/18	Wirtschaft & Energie, dieser vertr. d.

den Präsidenten der Bundesanst. f. Materialforsch. & prüfung (BAM)	(51) G01R 31/36 H01M 10/42	A61K 35/17 A61P 35/00
(73) Metso Outotec Finland Oy	(00) Change of Legal Entity	(00) Assignment
BRD, vertr. d. den Bundesminister für Wirtschaft & Energie, dieser vertr. d. den Präsidenten der Bundesanst. f. Materialforsch. & prüfung (BAM)	(71) Arjo IP Holding AB (73) Arjo IP Holding AB (11) EP3423020 (00) 17.01.2023 (51) A61G 7/08 A61G 1/02 (00) Assignment	
(11) EP3154920 (00) 18.01.2023 (51) C01B 25/26 C01B 25/45 C05B 1/04 C05B 7/00 C05B 13/00 C05B 13/02 C05B 13/04 C05B 13/06	(71) Metso Outotec Finland Oy (73) Metso Outotec Finland Oy (11) EP3662219 (00) 18.01.2023 (51) F27B 21/06 F27D 3/12 F27D 99/00	
(00) Change of owner(s) name	(00) Change of owner(s) name	
(71) Metso Minerals Oy BRD, vertr. d. den Bundesminister für Wirtschaft & Energie, dieser vertr. d. den Präsidenten der Bundesanst. f. Materialforsch. & prüfung (BAM)	(71) Metso Minerals Oy (73) Metso Outotec Finland Oy (11) EP3662219 (00) 18.01.2023 (51) F27B 21/06 F27D 3/12 F27D 99/00 (00) Merge	
(73) Metso Outotec Finland Oy BRD, vertr. d. den Bundesminister für Wirtschaft & Energie, dieser vertr. d. den Präsidenten der Bundesanst. f. Materialforsch. & prüfung (BAM)	(71) Metso Outotec Finland Oy (73) Metso Outotec Finland Oy (11) EP3638952 (00) 18.01.2023 (51) F23D 14/22 F23D 99/00 (00) Change of owner(s) name	
(11) EP3154920 (00) 18.01.2023 (51) C01B 25/26 C01B 25/45 C05B 1/04 C05B 7/00 C05B 13/00 C05B 13/02 C05B 13/04 C05B 13/06	(71) Ahlstrom-Munksjö Oyj (73) Ahlstrom-Munksjö Oyj (11) EP3056549 (00) 17.01.2023 (51) C09B 67/00 C09B 69/10 C09B 67/22 D06P 3/79 D06P 1/48 D06P 1/52 D06P 1/54 (00) Assignment	
(00) Merge		
(71) VIVO MOBILE COMMUNICATION CO., LTD.	(71) Metso Minerals Oy (73) Metso Outotec Finland Oy (11) EP3638952 (00) 18.01.2023 (51) F23D 14/22 F23D 99/00 (00) Merge	
(73) VIVO MOBILE COMMUNICATION CO., LTD.	(71) Medos International Sàrl (73) Medos International Sàrl (11) EP3593730 (00) 18.01.2023 (51) A61B 17/06 A61B 17/04 (00) Assignment	
(11) EP2635076 (00) 18.01.2023 (51) H04B 7/26 H04J 11/00 H04L 1/18 H04W 88/02	(71) Cellular Biomedicine Group Inc. (73) Cellular Biomedicine Group Inc. (11) EP3599251 (00) 19.01.2023 (51) C07K 19/00 C12N 15/62 C12N 5/10 C12N 15/867	
(00) Assignment		
(71) GF PIPING SYSTEMS CANADA LTD.		
(73) GF PIPING SYSTEMS CANADA LTD.		
(11) EP3536475 (00) 18.01.2023 (51) B29C 44/12 F16L 59/14		
(00) Merge		
(71) Schröder Iluminação SA		
(73) Schröder Iluminação SA		
(11) 2027061 (00) 20.01.2023 (51) G06F 9/50 (00) Assignment		
(71) TESVOLT AG		
(73) TESVOLT AG		
(11) EP3196664 (00) 20.01.2023		

TVH

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

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UP2

Bevat gegevens over Europese octrooien met geregistreerd verzoek ex. artikel 52a (herstel recht op validatie).

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Contains data concerning European patents with accepted ex article 52a (restoration of validation right) and validation completed.

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Bevat gegevens over Europese octrooien met ingetrokken verzoek ex. artikel 52a (herstel recht op validatie).

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