



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

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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:

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Visiting address: **Netherlands Patent Office**

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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

673Heading SPC

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

673

Rubriek VB1

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

674Heading VB1

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

674

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.

675Heading 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.

675

Rubriek MED

Bevat gegevens betreffende overige mededelingen.

676Heading MED

Contains data concerning other communications.

676

Rubriek VRV

Bevat gegevens betreffende verval of nietigverklaring.

677Heading VRV

Contains data concerning lapse or annulment.

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Rubriek VRB

Bevat gegevens betreffende verbeteringen op eerdere publicaties.

705Heading VRB

Contains data concerning corrections on earlier publications.

705

Rubriek CO

Bevat gegevens betreffende wijzigingen in het octrooiregister.

706Heading CO

Contains data concerning changes in the Netherland patent register.

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Rubriek TVH

Bevat gegevens betreffende topografieën van halfgeleiderproducten.

711Heading TVH

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

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Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	Contains data concerning European patents with registered Unitary Effect.	
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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).	
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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.	
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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.

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

INID CODES

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

- (11) Patent number
- (13) Kind of document code according to WIPO standard ST.16
- (15) Patent correction information
- (21) Application number
- (22) Date(s) of filing application(s)
- (23) Date of exhibition
- (25) Language in which the published application was originally filed
- (26) Language in which the application is published
- (30) Priority Data
- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filling of priority application(s)
- (33) WIPO Standard ST.3 Code indentifying the national patent office allotting the priority application number or the organization allotting the regional priority application number: for international applications filed under the PCT, the code "WO" is used.
- (34) For priority fillings under the regional or international arrangements, the WIPO Standard ST.3 Code indentifying at least one country party to the Paris Union for which the regional or international application was made.
- (40) Date(s) of making available to the public
- (41) Date of making available to the public by viewing, or copying on request an unexamined patent document, on which no grant has taken place on or before the said date.
- (42) Date of making available to the public by viewing, or copying on request an examined patent document, on which no grant has taken place on or before the said date.
- (43) Date of publication by printing or similar process of anexamined document on which no grant has taken place on or before said date

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

Rubrieken/Headings

NP1

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

(51) A01B 69/04 A01D 75/20 F16P 3/12	(54) Container voor het vervoer van bewortelde plantenstekken	Pingan Zhang Bei Zhang Qian Li Xianqing Huang Yue Shen Lianjun Song Mingwu Qiao Peijun Zhao Yongxia Cheng
(21) 2029583 (22) 02.11.2021	(71) Rijoh Veredeling B.V. (74) ir. A. Blokland c.s. (72) Paulus Marinus Maria Zwinkels Andrew Hamilton	
(54) AUTONOMOUS TRACTOR AND METHOD TO CULTIVATE FARMLAND USING THIS TRACTOR	(51) A01K 13/00 (21) 1044204 (22) 04.11.2021	
(71) AGXEED HOLDING B.V. (74) ir. P.J.P. Janssen (72) Joris Jan Hiddema Laurentius Hubertus Margaretha Schmitz	(54) ANIMAL BRUSHING ARRANGEMENT AND METHOD OF OPERATING ANIMAL BRUSHING ARRANGEMENT	(51) A23L 3/26 A23L 3/30 (21) 2029669 (22) 08.11.2021
(41) 01.06.2023	(71) COMFY-SOLUTIONS B.V. (72) Hans van der Poel Ivar Anton Lagas	(54) GREEN AND EFFICIENT COUPLING STERILIZATION METHOD
(51) A01B 69/04 A01D 75/20 F16P 3/12	(41) 02.06.2023	(71) ZHEJIANG UNIVERSITY ZHENGZHOU UNIVERSITY OF LIGHT INDUSTRY
(21) 2029584 (22) 02.11.2021	(51) A01K 29/00 (21) 2029582 (22) 02.11.2021	(74) ir. W.J.J.M. Kempes (72) Xinyu Liao Mofei Shen Tian Ding Qisen Xiang Donghong Liu Enbo Xu Jinsong Feng Shiguo Chen Xingqian Ye
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(51) A01D 46/30 (21) 2029679 (22) 09.11.2021	(51) A23D 9/007 A23J 1/14 A23L 11/30 C11B 1/00 C11B 1/04 C11B 1/10 A23J 3/14	(41) 05.06.2023
(54) Automatic harvesting device	(21) 2029591 (22) 02.11.2021	(51) A23L 19/18 A23B 7/04 A23B 7/06 A23P 20/10 (21) 2029585 (22) 02.11.2021
(71) Belua Beheer B.V. (74) dr. R.C. van Duijvenbode c.s. (72) Nick Hubrecht Maria van der Sande Dirk Vermeulen	(54) METHOD FOR EXTRACTING A LIPID-, A PROTEIN-, AND/OR A CARBOHYDRATE-CONTAINING COMPOSITION FROM OIL-RICH SEEDS	(54) METHOD FOR PRODUCING A FRIED POTATO PRODUCT
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(21) 2029653 (22) 05.11.2021	(41) 01.06.2023	(51) A23L 33/22 A23L 5/20 (21) 2029659 (22) 08.11.2021
(54) METHOD FOR REGULATING YIELD OF SCION-HARVESTING STOCK PLANT OF CHINESE FIR	(51) A23F 3/34 A23F 3/06 (21) 2034680 (22) 25.04.2023	(54) METHOD FOR MAKING PARTICLES FROM CHICORY ROOT
(71) Fujian Agriculture and Forestry University (74) drs. C.M.A. Quintelier (72) Pengfei Wu Jielin Pan Xiangqing Ma Xianhua Zou Wenjing Wu Xiaolong Hou	(54) BAKING AND BREWING PROCESS FOR WALNUT FLOWER TEA DESCRIPTION	(71) WholeFiber Holding B.V. (74) drs. J. Renkema (72) Lucas Bramer Karel Melle Kaper Willem Würdemann Frederik Simon Kaper
(51) A01G 9/029 (21) 1044197 (22) 03.11.2021	(71) Henan Agricultural University (74) ir. W.J.J.M. Kempes (72) Qiuyan Zhao Yan Ma	(41) 05.06.2023 (51) A23P 10/20 A23L 19/00

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(21) 2029697	(51) A61B 6/00	(72) Clemens Waltherus Gerardus Maria Löwik
(22) 09.11.2021	(21) 2029633	
(54) BLUEBERRY POPPING BOBA PREPARED BASED ON RESPONSE SURFACE METHOD AND PREPARATION PROCESS THEREOF	(22) 04.11.2021	(51) A61N 5/10
(71) QILU UNIVERSITY OF TECHNOLOGY	(54) Method and device for monitoring a flow of a fluid in a vessel	(21) 2029601
(74) ir. W.J.J.M. Kempes	(71) Medis Associated B.V.	(22) 03.11.2021
(72) Wenlin Liu	(74) ir. H.A. Witmans c.s.	(54) BRACHYTHERAPY SENSOR CABLE
Yuhao Ju	(72) Catalina Tobón Gómez	(71) Nucletron Operations B.V.
Cunxi Dai	Gianni Pedrizzetti	(74) ir. H.A. Witmans c.s.
Yiting Ju	Hua Ma	(72) Cor van de Wardt
Kai Liu	Johannes Petrus Janssen	Frits Pieter de Vries
Yiling Zhang	Johan Hendrikus Christiaan Reiber	Johan Henning
Wei Wang	Yves Robèrt Vijgeboom	(41) 02.06.2023
Yanqiu Zhao	(41) 02.06.2023	(51) A61P 25/00
Lujiang Hao	(51) A61G 3/06	A61K 36/88
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(71) Gwendolyn Wendy Huygens	(71) Oahu B.V.	A61K 36/23
(72) Gwendolyn Wendy Huygens	Ventura Systems C.V.	A61K 36/64
(51) A43B 7/142	(74) ir. J.C. Volmer c.s.	A61K 36/40
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(22) 03.11.2021	A61J 1/20	(22) 08.11.2021
(54) Podotherapeutische inrichting en wijzen van gebruik daarvan	(21) 2031054	(54) TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING SUBDURAL EFFUSION AND VARIOUS TYPES OF HYDROCEPHALUS
(71) PLT Products B.V.	(22) 23.02.2022	(71) Qingfu Zhou
(72) Eduard Franciscus Maria Wender	(54) COMPOUNDING SYSTEM	Chuanxiang Zhou
(51) A46B 13/00	(71) The Compounding Company B.V.	(74) ir. M.B. Plaggenborg
A46D 1/00	(74) ir. A. van der Maarl	(72) Qingfu Zhou
B60S 3/06	(72) Kasper Bosscher	Chuanxiang Zhou
(21) 2029698	Luc Peter Eléonore Marie Kluskens	(51) A61P 29/00
(22) 09.11.2021	(41) 31.05.2023	A61K 47/54
(54) Brush for vehicle washing system	(31) 2029580	(21) 2029599
(71) Spatz Holding B.V.	(32) 01.11.2021	(22) 02.11.2021
(74) ir. H.Th. van den Heuvel c.s.	(33) Netherlands	(54) Glycosylated Prodrugs
(72) Roel Muskens	(51) A61K 31/185	(71) Universiteit Leiden
(41) 05.06.2023	A61P 35/00	(74) dr. A. Krebs
(51) A47C 27/05	A61K 31/5377	(72) Mahmoud Halima
(21) 2029662	(21) 2034675	Mei Wang
(22) 08.11.2021	(22) 24.04.2023	Hans Aerts
(54) A METHOD TO PRODUCE A MATTRESS, A MATTRESS OBTAINABLE WITH THIS METHOD AND A SYSTEM FOR APPLYING THIS METHOD	(54) NEW USE OF METHYLSELENINIC ACID AS GEFITINIB SENSITIZER FOR TREATING GEFITINIB-RESISTANT NON-SMALL CELL LUNG CANCER	Nathaniel Martin
(71) KONINKLIJKE AUPING B.V.	(71) China Agricultural University	Annemarie Meijer
(74) ir. P.J.P. Janssen	(74) ir. W.J.J.M. Kempes	Karol Ayed
(72) Dennis Nijland	(72) Shuang Zhao	Marcel Schaaf
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Ronald Adriaan van der Aa	Jinling Cui	(51) A61P 35/00
(41) 05.06.2023	Chong Zhao	A61K 31/426
(51) A61B 3/103	Hongbo Hu	(21) 2029608
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(21) 2029579	(32) 06.05.2022	(54) USE OF EPALRESTAT IN PREPARATION OF PANCREATIC CANCER DRUGS
(22) 01.11.2021	(33) China	(71) AFFILIATED HOSPITAL OF NANTONG UNIVERSITY
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(71) Easee Health B.V.	A61K 45/06	(72) Fei Chen
(74) ir. A. Blokland c.s.	A61P 3/10	Tong Wu
(72) Jouke-Thiemo Waleson	(21) 2029634	Jie Ji
	(22) 04.11.2021	Wenjie Zheng
	(54) PHARMACEUTICAL COMPOSITION FOR INCREASING MITOCHONDRIAL ACTIVITY AND/OR IMPROVING ADIPONECTIN PRODUCTION	Mingbing Xiao
	(71) Logick Energetics B.V.	Wei Shi
		Renjie Lin

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(51) A63F 13/245 A63F 13/803 A63F 13/98 (21) 2029684 (22) 09.11.2021 (54) Wheel stand (71) Arnoud Rogier Landzaat (74) ir. H.A. Witmans c.s. (72) Arnoud Rogier Landzaat (41) 05.06.2023	(54) METHOD FOR PREPARING LIGNOSULFONATE (LS) NANOSPHERES AND NANORODS (71) QILU UNIVERSITY OF TECHNOLOGY (74) ir. W.J.J.M. Kempes (72) Yu Liu Weikun Jiang Shuyun Liu Lupeng Shao Gaojin Lv (41) 05.06.2023	(74) Nengchao Lv Yong Ma Jinfen Zhang Chengpeng Wan Yujie Jiang Zhao Liu Liutao Ma Ang Su Fen Tao Sen Liu Yufei Peng Yang Zhou
(51) A63H 33/06 B42F 1/00 (21) 2029572 (22) 31.10.2021 (54) Verbeterd hechtsysteem voor folie en automatisch koppelapparaat. (71) Paul Gokkel (74) ir. A. van der Maarl (72) Paul Gokkel (41) 01.06.2023	(51) B05D 7/24 C09D 183/04 C09D 185/02 (21) 2029566 (22) 29.10.2021 (54) METHOD FOR REALIZING ANTI-ICING OF AIRCRAFT SURFACE BY LUBRICATING WITH PHASE-CHANGE MATERIAL (71) SHANGHAI JIAO TONG UNIVERSITY (74) ir. M.B. Plaggenborg (72) Weiliang Kong Xiaobin Huang Hong Liu Xiaofei Li (41) 01.06.2023	(51) B63G 8/00 B63G 8/14 B63G 8/39 (21) 2029568 (22) 29.10.2021 (54) SEMI-SUBMERSIBLE UNMANNED BOAT (71) SHANGHAI OCEAN UNIVERSITY (74) ir. M.B. Plaggenborg (72) Lizhen Zhang Qingsong Hu Yongcheng Liang Bo Jiang Tao Zhao Di Wu (41) 01.06.2023
(51) B01D 53/14 B01D 53/22 C25B 1/04 C01B 3/04 C01B 21/04 C07C 1/12 C10G 2/00 C10K 3/02 C07C 29/151 (21) 2029586 (22) 02.11.2021 (54) METHOD FOR RECOVERY OF CO2 FROM CHEMICAL SOLVENTS AND INTEGRATION WITH SUBSEQUENT PROCESSES (71) WFU B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Christiaan Leo Evert Nijst Franciscus Johannes Maria Schrauwen (41) 01.06.2023	(51) B32B 27/30 B23B 27/08 B65D 85/34 A23B 7/04 B65D 30/08 B65D 33/01 B65B 25/04 (21) 2029642 (22) 04.11.2021 (54) FRUIT AND VEGETABLE DOUBLE-LAYER FILM PACKAGING BAG AND FRUIT AND VEGETABLE FRESH-KEEPING METHOD (71) INSTITUTE OF SERICULTURE AND AGRICULTURAL PRODUCTS PROCESSING, GUANGDONG ACADEMY OF AGRICULTURAL SCIENCES GUANGDONG BAODELI NEW MATERIAL TECHNOLOGY Co., Ltd (74) ir. M.B. Plaggenborg (72) Ling Wang Feiping Chen Zheng Luo Yingwei Qi Yulong Chen (51) B62B 7/08 B62B 7/06 (21) 2029603 (22) 03.11.2021 (54) FOLDABLE STROLLER (71) Fortunatus Johannes de Haas (74) ir. W.J.J.M. Kempes (72) Fortunatus Johannes de Haas (41) 01.06.2023	(51) B64D 15/00 (21) 2029564 (22) 29.10.2021 (54) METHOD FOR REALIZING ANTI-ICING OF AIRCRAFT SURFACE BY LUBRICATING WITH MAGNETO-SENSITIVE POROUS ANTI-ICING COMPOSITE MATERIAL (71) SHANGHAI JIAO TONG UNIVERSITY (74) ir. M.B. Plaggenborg (72) Xiaobin Huang Xiaofei Li Hong Liu Weiliang Kong (51) B65C 9/00 (21) 2029631 (22) 04.11.2021 (54) Sleeve cutting mechanism and method for cutting a sleeve (71) FUJI SEAL EUROPE B.V. (74) ir. W.J.J.M. Kempes (72) Lucas van Rijsewijk (51) B65D 1/24 (21) 1044198 (22) 03.11.2021 (54) Flessenkrat daarmee samenwerkende kroonkurkencontainer met flesopener. (71) René Charles Henriët (72) René Charles Henriët (41) 01.06.2023
(51) B01F 25/312 F16K 7/06 (21) 2029588 (22) 02.11.2021 (54) Flow control device and mixing assembly comprising said flow control device (71) Magnets for emulsions N.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Nielsen Willemarck Johan Adriaan Martens (41) 01.06.2023	(51) B01F 25/452 B01F 33/81 (21) 2029576 (22) 01.11.2021 (54) A device for mixing a confectionery mass, a mould provided with the device and a method of mixing a confectionery mass using the device (71) Fassin Tussenhoudster B.V. (74) ir. A. Blokland c.s. (72) Lodewijk Gerhardus Theodorus Jansen Thomas Kurt Xaver Fassin Patricia Annemarie Paula Maria Fassin (41) 01.06.2023	(51) B65D 47/20 B65D 25/48 B67D 7/00 B65D 77/06

- (21) 2029562
(22) 29.10.2021
(54) SEALING UNIT FOR A LIQUID CONTAINER
(71) SmartSeal AS
(74) dr. ir. G.J.C. Verdijck c.s.
(72) Jeroen Gerrit Anton Gebbink
Rune Kristian Knutsen
(41) 01.06.2023
-
- (51) B65G 21/20
(21) 2029587
(22) 02.11.2021
(54) Systeem voor het transporteren van producten
(71) Vanderlande Industries B.V.
(74) ir. A. Blokland c.s.
(72) Rudolf van Dijk
Sander Bernard Wilhelmus van Roosmalen
Maikel Theodorus Petrus Willebrordus van Dorst
Petrus Theodorus Cornelis Vervoort
Kasper Jan Henk Hendriks
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- (51) B65G 47/248
B65G 21/20
(21) 2029672
(22) 08.11.2021
(54) TRANSPORTER SYSTEM
(71) Canline Systems B.V.
(74) dr. ir. G.J.C. Verdijck c.s.
(72) Ruud Coolen
-
- (51) B65G 47/68
B25J 9/00
B65G 47/71
G05B 19/418
B25J 9/16
(21) 2029652
(22) 05.11.2021
(54) Handling device
(71) Flex Industries B.V.
(74) ir. A. Blokland c.s.
(72) Gert de Gooijer
(41) 05.06.2023
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- (51) C02F 1/78
C02F 1/28
(21) 2029624
(22) 03.11.2021
(54) Removal of micropollutants from water and installation for use therein
(71) Wageningen Universiteit
HaskoningDHV Nederland B.V.
(74) dr. R.C. van Duijvenbode c.s.
(72) Alette Anna Maria Langenhoff
Henrik Arnoud de Wilt
Hubertus Henricus Martinus Rijnaarts
Koen van Gijn
(41) 02.06.2023
-
- (51) C02F 3/30
C02F 9/14
C02F 3/28
C02F 3/02
(21) 2029609
(22) 03.11.2021
(54) NITROGEN AND PHOSPHORUS REMOVAL METHOD AND DEVICE FOR SEWAGE
- (71) NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY
(74) ir. W.J.J.M. Kempes
(72) Sheng Chang
Bo Pang
Hao Wang
Minghui Du
Yaozong Zhang
(41) 02.06.2023
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- (51) C05F 17/20
C05F 17/50
C05G 3/00
C05G 3/80
(21) 2029594
(22) 02.11.2021
(54) METHOD FOR PREPARING AGRICULTURAL JIAOSU USING PERISHABLE VEGETABLE RESIDUES AND REMNANT FRUITS AND VEGETABLES
(71) ZHEJIANG ACADEMY OF AGRICULTURAL SCIENCES
(74) ir. W.J.J.M. Kempes
(72) Wenhui Wu
Weijing Zhu
Weiping Wang
Yanlai Yao
Fengxiang Zhu
Chunlai Hong
Leidong Hong
Yangjian Yu
(41) 01.06.2023
-
- (51) C05F 17/979
C05F 17/921
C05F 17/936
(21) 2029597
(22) 02.11.2021
(54) Dynamische actieve beladings- en beluchtingsvloer voor het composteren van organisch materiaal in een gesloten mobiele of stationaire reactor.
(71) Valoriworld B.V.
(74) ir. A. Blokland c.s.
(72) Dennis Hendricus Wilhelmus Gerardus van Duijnhoven
Henricus Nicolaas Cornelis van den Boomen
Julius Laurens de Jong
(41) 01.06.2023
-
- (51) C09D 183/04
C09D 7/65
(21) 2029563
(22) 29.10.2021
(54) SUPER-HYDROPHOBIC COATING COMPOSITE MATERIAL FOR ANTI-ICING AND DE-ICING AND PREPARATION METHOD THEREOF
(71) SHANGHAI JIAO TONG UNIVERSITY
(74) ir. M.B. Plaggenborg
(72) Weiliang Kong
Xiaobin Huang
Hong Liu
Xiaofei Li
(41) 31.05.2023
-
- (51) C09K 3/18
(21) 2029565
(22) 29.10.2021
- (54) AIRCRAFT ANTI-ICING COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF
(71) SHANGHAI JIAO TONG UNIVERSITY
(74) ir. M.B. Plaggenborg
(72) Hong Liu
Xiaobin Huang
Weiliang Kong
Xiaofei Li
(41) 31.05.2023
-
- (51) C12N 9/10
C12Q 1/48
G01N 33/573
C12P 7/64
(21) 2029680
(22) 09.11.2021
(54) DGAT1/2-Independent Enzyme Synthesizing storage Lipids (DIESL).
(71) Stichting Het Nederlands Kanker Instituut - Antoni van Leeuwenhoek Ziekenhuis
(74) ir. A. Blokland c.s.
(72) Gian-Luca McLelland
Thijn Reinout Brummelkamp
(41) 05.06.2023
-
- (51) C12Q 1/6806
C12Q 1/6869
(21) 2029695
(22) 09.11.2021
(54) Method and kit for detection of protein-DNA markers, such as protein-DNA interactions and/or histone modifications, in cells
(71) Koninklijke Nederlandse Akademie Van Wetenschappen
(74) ir. A. Blokland c.s.
(72) Jop Haico Kind
Silke Johanna Anna Lochs
(41) 05.06.2023
-
- (51) C12Q 1/70
C12Q 1/6804
G01N 33/53
(21) 2033238
(22) 05.10.2022
(54) TEST CARD, TEST PRIMER COMPOSITION AND GICA-RT-LAMP KIT FOR PLANTAGO ASIATICA MOSAIC VIRUS
(71) NORTHWEST INSTITUTE OF ECO-ENVIRONMENT AND RESOURCES, CHINESE ACADEMY OF SCIENCES
(74) ir. J.C. Volmer c.s.
(72) Yubao Zhang
Zhihong Guo
Zhongkui Xie
Yang Qiu
Guo Yang
Yajun Wang
Xuesi Su
(31) 2021113243425
(32) 09.11.2021
(33) China
-
- (51) C12Q 1/70
C12Q 1/6851
C12Q 1/6862
C12Q 1/6876
(21) 2029623
(22) 03.11.2021

(54) PROBE COMPOSITION FOR DETECTING HBV-cccDNA, APPLICATION AND DETECTION METHOD THEREOF	E02F 9/08 E02F 9/26 (21) 2029665 (22) 08.11.2021	(72) Franciscus Jozef Leonardus Hubertus Brinkmann (41) 01.06.2023
(71) Jun Wang (74) dr. ir. G.J.C. Verdijck c.s. (72) Jun Wang	(54) Minilader (71) Peeters Landbouwmachines B.V. (74) ir. A. Blokland c.s. (72) Daniel Petrus Marie Peeters	(51) E04G 15/06 E04B 5/32 F16L 5/02 E04B 1/58 (21) 2029626 (22) 03.11.2021
(51) C12Q 1/70 G01N 33/543 C12Q 1/6804 C07K 16/08 (21) 2033239 (22) 05.10.2022	(51) E02F 7/04 E02F 9/26 (21) 2029628 (22) 04.11.2021	(54) TUBE FITTING ASSEMBLY AND METHOD OF ADAPTING A TUBE FITTING (71) Dyka B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Casper van der Bilt (41) 02.06.2023
(54) TEST KIT AND TEST METHOD FOR APPLE LATENT SPHERICAL VIRUS (71) NORTHWEST INSTITUTE OF ECO- ENVIRONMENT AND RESOURCES, CHINESE ACADEMY OF SCIENCES (74) ir. J.C. Volmer c.s. (72) Zhongkui Xie Ruoyu Wang Yajun Wang Yuhui He Yubao Zhang Weijie Jin	(54) DISCHARGING SYSTEM FOR A HOPPER (71) IHC Holland IE B.V. (74) dr. R.C. van Duijvenbode c.s. (72) Mario Alvarez Grima Edwin de Hoog Bram Adrianus Waltherus van Spaendonk Johannes Cornelis Goeree (41) 02.06.2023	(51) E21B 19/24 (21) 2034676 (22) 24.04.2023 (54) POSITIONING DEVICE FOR PETROLEUM EXPLOITATION DRILLING (71) YANGTZE UNIVERSITY (74) ir. M.B. Plaggenborg (72) Jitian Xiang Yong Feng Fuxing Peng Jiguang Tang Xin Mu
(31) 2021113296259 (32) 09.11.2021 (33) China	(54) RECLAIMED WATER REUSE SYSTEM SUITABLE FOR RURAL AREAS (71) Chinese Research Academy of Environmental Sciences (74) drs. C.M.A. Quintelier (72) Bao Xiang Yue Wang Jianlong Chen Shihua Chen Hongge Zhang Hongliang Wang (41) 05.06.2023	(51) E21B 33/12 E21B 41/00 (21) 2032965 (22) 06.09.2022 (54) CARBON-SWELLABLE SEALING ELEMENT (71) Halliburton Energy Services, Inc. (74) dr. ir. F.M. van Bouwelen (72) Chad William Glaesman Michael Linley Fripp Nam Thanh Vu (31) PCT/US21/72263 17/453,698 (32) 05.11.2021 05.11.2021 (33) United States of America United States of America
(51) C30B 23/00 C30B 29/36 (21) 2029666 (22) 08.11.2021	(51) E03B 1/04 (21) 2029650 (22) 05.11.2021	(51) F02B 75/22 (21) 2029667 (22) 08.11.2021
(54) MANUFACTURING METHOD OF SILICON CARBIDE (SiC) SINGLE CRYSTAL (71) NANJING HONGTAIJING INTELLIGENT EQUIPMENT TECHNOLOGY CO., LTD. (74) ir. W.J.J.M. Kempes (72) Heng Yao Tai Yao Yonghao Yu (41) 05.06.2023	(54) VULAUTOMAAT REGENTON DIE ZORGT VOOR FRIS REGENWATER IN DE REGENTON (71) ir Tiemen Wybrand Wessels (72) ir Tiemen Wybrand Wessels (51) E04F 11/16 (21) 2029622 (22) 03.11.2021	(54) CARBON-SWELLABLE SEALING ELEMENT (71) Halliburton Energy Services, Inc. (74) dr. ir. F.M. van Bouwelen (72) Chad William Glaesman Michael Linley Fripp Nam Thanh Vu (31) PCT/US21/72263 17/453,698 (32) 05.11.2021 05.11.2021 (33) United States of America United States of America
(51) E02B 3/14 E01C 5/06 (21) 2033438 (22) 01.11.2022	(51) E03B 3/03 (21) 1044196 (22) 02.11.2021	(51) F02B 75/22 (21) 2029667 (22) 08.11.2021
(54) Zetsteensamenstel (71) ABS Infradvies BV (74) ir. A. Ferguson (72) Albert Bruins Slot (41) 02.06.2023 (31) 2029621 (32) 03.11.2021 (33) Netherlands	(54) Inrichting voor het renoveren of beschermen van een traprede en een samenstel van een dergelijke inrichting met een decoratieve trede. (71) Renoveerjtrap.nl (74) ir. H.Th. van den Heuvel c.s. (72) Immanuel Ezechiël Antonie Naaijen (41) 02.06.2023	(54) NOVEL ENGINE (71) LINZE XIANFENG MACHINERY CO., LTD. (74) ir. W.J.J.M. Kempes (72) Guangfeng Liang Lianggui Zhao (41) 05.06.2023
(51) E02D 9/02 (21) 2029602 (22) 03.11.2021	(51) E04G 7/28 E04G 1/15 E04G 5/08 (21) 2029598 (22) 02.11.2021	(51) F02P 5/15 F02P 17/00 (21) 2029619 (22) 03.11.2021
(54) METHOD AND PILE REMOVAL TOOL FOR REMOVING A PILE FROM A SOIL (71) IV-CONSULT B.V. (74) ir. W.J.J.M. Kempes (72) Arie Dirk van den Dool (51) E02F 3/28 E02F 3/34 E02F 3/358 E02F 3/36 E02F 3/43	(54) Borgingssamenstel voor een steigervloerdeel, steigervloerdeel omvattende het borgingssamenstel, en werkwijze (71) Scafom Holding B.V. (74) ir. H.A. Witmans c.s.	(54) METHOD FOR DETECTING AND DISTINGUISHING EARLY COMBUSTION AND CARBON DEPOSIT OF ENGINE BASED ON ION CURRENT (71) TONGJI UNIVERSITY (74) ir. W.J.J.M. Kempes (72) Liguang Li

Jinqiu Wang	(51) F24C 15/00	Xionghao Zhou
Weiqi Ding	F24C 15/04	Bin Sun
Jun Deng	F24C 15/32	Meng Zhang
Zongjie Hu	(21) 2029604	Kun Yu
(51) F16D 41/36	(22) 03.11.2021	Yin Wang
(21) 2029610	(54) Inrichting voor het bereiden van voedsel	Juye Fu
(22) 03.11.2021	(71) Devapo Group B.V.	Gangjian An
(54) One-way clutch system for a bicycle transmission	(74) drs. A.A. Jilderda	Yebin Wang
(71) Classified Cycling BV	(72) Lex Jacobus Franciscus van Grotel	Kunyong Zhang
(74) ir. H.A. Witmans c.s.	Hooman Parvizi	(31) 2021113083820
(72) Roëll Marie van Druten	(41) 02.06.2023	(32) 05.11.2021
(41) 02.06.2023	(51) F24D 3/08	(33) China
(51) F16D 65/00	F24D 10/00	(51) G01N 1/28
(21) 2029606	F24D 17/00	G01N 21/3563
(22) 03.11.2021	(21) 2029655	(21) 2034486
(54) BACK PLATE STRUCTURE, BACK PLATE MANUFACTURING MOULD AND PRODUCTION PROCESS FOR PREVENTING BRAKE PAD FROM FALLING OFF	(22) 05.11.2021	(22) 03.04.2023
(71) YANTAI XINGCHUANG AUTOMOBILE PARTS CO., LTD.	(54) Thermal module and method for heating an apartment and providing hot tap water	(54) METHOD FOR QUALITATIVE IDENTIFICATION OF META-ARAMID FIBERS AND PARA-ARAMID FIBERS AND APPLICATION THEREOF
(74) ir. W.J.J.M. Kempes	(71) Flamco B.V.	(71) FuJian Fiber Inspection Center
(72) Xingping Feng	(74) ir. J.C. Volmer c.s.	(74) ir. W.J.J.M. Kempes
Kaixu Yuan	(72) Jan Henk Cnossen	(72) Meifang Lin
Po Du	Ronny Dudziak	Dengguang Lin
(51) F23D 14/02	Axel Hilscher	Pin Lv
F23D 14/78	(41) 05.06.2023	Xingxing Pan
(21) 2029630	(51) F24H 8/00	Hanying Li
(22) 04.11.2021	F24H 9/18	Mingliang Ruan
(54) Premix gas burner	(21) 2029612	Xiaorui Tian
(71) BEKAERT COMBUSTION TECHNOLOGY B.V.	(22) 03.11.2021	(31) 202210358390.4
(74) ir. J.C. Volmer c.s.	(54) STAINLESS-STEEL FINNED-TUBE CONDENSATION HEAT EXCHANGER	(32) 06.04.2022
(72) Camillo Hogenbirk	(71) LINYI OUKE ENERGY SAVING TECHNOLOGY CO., LTD.</	(33) China
Marc Bus	(74) ir. W.J.J.M. Kempes	(51) G01N 15/14
(41) 02.06.2023	(72) Erzong Pang	G06V 20/69
(51) F23G 7/00	Kai Zhang	G02B 21/36
F23G 7/06	Jincheng Wang	G06T 7/00
F23J 15/00	(51) G01B 11/08	G01N 33/00
F23J 15/06	G01B 11/02	G06V 10/44
(21) 2029607	G01G 17/00	(21) 2029685
(22) 03.11.2021	(21) 2029593	(22) 09.11.2021
(54) METHOD FOR CO-PROCESSING COMBUSTIBLE HAZARDOUS WASTE AND HIGH-SALT HAZARDOUS WASTE	(22) 02.11.2021	(54) Detection of interacting cellular bodies
(71) TIANJIN UNIVERSITY OF TECHNOLOGY	(54) METHOD FOR ESTIMATING BODY LENGTH AND BODY WEIGHT BY USING SHRIMP EYEBALL DIAMETER	(71) LUMICKS CA Holding B.V.
(74) ir. W.J.J.M. Kempes	(71) INSTITUTE OF OCEANOLOGY, CHINESE ACADEMY OF SCIENCES	(74) ir. A.R. Aalbers
(72) Jing Zhou	(74) ir. W.J.J.M. Kempes	(72) Jelle van der Horst
Wenjiao Yuan	(72) Fudi Chen	Willem Mathijs Rozemuller
Meitong Li	Jianming Sun	(41) 05.06.2023
Ke Zhang	Tianlong Qiu	(51) G01N 21/65
Wenhao Fan	Yishuai Du	(21) 2029686
Shuangyi Han	Li Zhou	(22) 09.11.2021
(51) F23K 3/00	Bin Wu	(54) TIP-ENHANCED RAMAN SPECTROSCOPE MICROSCOPIC IMAGING DEVICE
F23D 1/00	Jianping Xu	(71) SHENZHEN UNIVERSITY
F23C 7/00	(51) G01L 5/22	(74) ir. M.B. Plaggenborg
(21) 2029663	G01N 19/02	(72) Jiaxing Li
(22) 08.11.2021	(21) 2033396	Yuquan Zhang
(54) Iron fuel combustion arrangement	(22) 26.10.2022	Houkai Chen
(71) Renewable Iron Fuel Technology B.V.	(54) TEST DEVICE AND METHOD FOR MEASURING FRICTIONAL RESISTANCE OF THIXOTROPIC MUD	Changjun Min
(74) ir. A. Blokland c.s.	(71) THE FOURTH ENGINEERING CO., LTD OF CTCE GROUP	Xiaocong Yuan
(72) Vincent Jacobus Theodorus Seijger	CHINA RAILWAY NO.4 GROUP CO., LTD	(51) G01N 27/623
Jeroen Gabriël Franciscus Houtappels	(74) ir. F.A. Geurts c.s.	G01N 33/18
Marco Anton Frederik Derksen	(72) Zhengpu Yuan	H01J 49/10
	Qihu Yuan	(21) 2033445
		(22) 02.11.2022
		(54) ICP-MS METHOD FOR MULTI-ELEMENT DETERMINATION BY DIRECT SAMPLE INJECTION OF HIGH SALT WATER

(71) South China Sea Environmental Monitoring Center of the State Oceanic Administration (Inspection and Identification Center of the South China Sea Area of the China Maritime Regulatory Commission)	Liping Liu Lijun Sun Chengwei Xing	Zhiqiang Zheng Wenkai Yang Yuansheng Qi Yuqin Liu
(74) drs. C.M.A. Quintelier	(41) 02.06.2023	(41) 31.05.2023
(72) Dongdong Ma	(51) G01R 33/36 H03F 1/02	(51) G06N 3/00 B63B 35/32 G06K 9/62 G06Q 10/04
Xiaomin Li	(21) 2029664	(21) 2029596
Houlei Jia	(22) 08.11.2021	(22) 02.11.2021
Maosen Shangguan	(54) RF PULSE AMPLIFIER COMPRISING A DC/DC CONVERTER	(54) WATERBORNE INTELLIGENT POLLUTION AND OBSTACLE REMOVAL SYSTEM BASED ON COMPUTER VISION
Xinrui Wang	(71) Prodrive Technologies Innovation Services B.V.	(71) XI'AN UNIVERSITY OF ARCHITECTURE AND TECHNOLOGY
Hua Wang	(74) ir. M. van der Velden	(74) ir. W.J.J.M. Kempes
Shengyong Li	(72) Bart Gerardus Maria van Ark	(72) Pengju Liu
Yanru Lv	(51) G01V 1/30	(71) Ruiqi Guo
Zhixin Ni	(21) 2029589	(72) Shuaixing Xu
Xiaojuan Wang	(22) 02.11.2021	(71) Dacheng Jin
Xin Chen	(54) Identification Method of Regional Impact Risk Grade and Region Based on Inversion of Source Parameters	(71) Bing'an Pan
Wei Deng	(71) Xuzhou Wushuo Information Technology Co., Ltd	(71) Pengfei Yang
Shengying Lan	Huating Coal Industry Group Co., Ltd	Angui Li
Minxia Zhang	China University of Mining and Technology	Bin Yang
Chuqian Lu	(74) V. Mellet	(41) 01.06.2023
Yuzhang Xiao	(72) Chengchun Xue	(51) G06N 3/08 G06F 18/24
Changshu Chen	Xianqi Bai	(21) 2033450
Zebin Zhuang	Yingyuan Wen	(22) 03.11.2022
(31) 202111285414.X	Zhifeng Ma	(54) A Real Time Measurement Method for Rheological Parameters of Drilling Fluid Based on Machine Learning
(32) 04.11.2021	Anye Cao	(71) China University of Geosciences (Wuhan)
(33) China	Yujie Peng	(74) drs. C.M.A. Quintelier
(51) G01N 33/38	Kefeng Shangguan	(72) Xianyu Yang
(21) 2034673	Changbin Wang	Jihua Cai
(22) 24.04.2023	Yaoqi Liu	Yanping Shi
(54) A DETECTING EQUIPMENT FOR GROUTING FULLNESS	Wenhao Guo	Zhaokai Dai
(71) Nanjing Nanda Engineering Testing Co., Ltd	Songwei Wang	Guosheng Jiang
(74) ir. M.B. Plaggenborg	(51) G06F 30/28	Zishuo Li
(72) Ranran Yan	(21) 2029575	Shuya Chen
Zhangjie Gu	(22) 01.11.2021	Man Xue
Wenjie Sun	(54) METHOD, SYSTEM, STORAGE MEDIUM AND COMPUTER DEVICE FOR WAVE ENERGY RESOURCE ASSESSMENT	Zhi Li
Wei Wang	(71) FIRST INSTITUTE OF OCEANOGRAPHY, MINISTRY OF NATURAL RESOURCES	(31) 202111295919.4
Penghui Liu	(74) ir. M.B. Plaggenborg	(32) 03.11.2021
Wei Zhou	(72) Yongzeng Yang	(33) China
Jueju Xu	Dalu Gao	(51) G06T 5/00
Ranran Gao	Tingting Zhang	(21) 2029617
Shanshan Yang	Jianting Du	(22) 03.11.2021
Wei Xu	Xingjie Jiang	(54) AUTOMATIC CONTRAST ENHANCEMENT METHOD OF CDNA MICROARRAY IMAGES
Jiahui Luan	Xinmei Cui	(71) XIAMEN UNIVERSITY
Chen Chen	(41) 01.06.2023	(74) ir. W.J.J.M. Kempes
Liyuan Hao	(51) G06K 9/62	(72) Guifang Shao
Chunchun Xu	(21) 2029570	Tiejun Li
Xiaoling Li	(22) 29.10.2021	Tundong Liu
Yu Tang	(54) AUTOMATIC DOCUMENT RECORDING SYSTEM BASED ON HANDWRITTEN RECOGNITION ARTIFICIAL INTELLIGENCE TECHNOLOGY	Ying Wang
Wei Fan	(71) BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Yuhua Wen
Yun Han	(74) ir. M.B. Plaggenborg	(41) 02.06.2023
Xiong Zhou	(72) Manxue Zhang	(51) H01G 11/14 H01G 11/62 H01M 10/26 H01G 11/08
Tingbo Wu	Yongbin Zhang	
(31) 202310281501.0	Ronghua Liang	
(32) 22.03.2023		
(33) China		
(51) G01Q 30/20		
(21) 2029614		
(22) 03.11.2021		
(54) PREPARATION METHOD OF ASPHALT SAMPLE FOR AFM OBSERVATION AND DEVICE USED THEREOF		
(71) TONGJI UNIVERSITY		
(74) ir. W.J.J.M. Kempes		
(72) Ming Wang		

- (21) 2029651
 (22) 05.11.2021
 (54) METHOD AND SUPERCAPACITOR SYSTEM FOR STORING ENERGY, AND ENERGY STORAGE SYSTEM PROVIDED THEREWITH
 (71) Stichting Wetsus, European Centre of Excellence for Sustainable Water Technology
 (74) dr. ir. G.J.C. Verdijck c.s.
 (72) Robert Christiaan Franciscus de Kler Machiel Saakes
 Hubertus Victor Marie Hamelers
 Slawomir Pawel Porada
 (41) 05.06.2023
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- (51) H01R 39/24
 H01R 39/08
 H01R 39/18
 H02K 11/40
 H02K 13/00
 (21) 2029683
 (22) 09.11.2021
 (54) ON-LINE MAINTAINABLE SHAFT GROUNDING RING
 (71) QINGDAO BORUI SEALING TECHNOLOGY Co., Ltd.
 QINGDAO UNIVERSITY OF TECHNOLOGY
 SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
 (74) ir. M.B. Plaggenborg
 (72) Shiyong Guo
 Weishan Zhang
 Jianyong Li
 Jie Lv
 Ming Li
 Fazhan Yang
 Jianjun Zhang
 Shaojie Chen
 (41) 05.06.2023
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- (51) H02K 1/14
 H02K 1/17
 H02K 1/18
 H02K 1/24
 H02K 1/28
 (21) 2034615
 (22) 18.04.2023
 (54) TRANSVERSE AND SECTIONAL TYPE MAGNETIC FLUX HYBRID EXCITATION SWITCHED RELUCTANCE MOTOR
 (71) CHONGQING JIAOTONG UNIVERSITY
 (74) ir. M.B. Plaggenborg
 (72) Zhaoxue Deng
 Sasa Zhang
 Xu Li
 Sunke Zhu
 (31) 202210833576.0
 (32) 15.07.2022
 (33) China
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- (51) H02M 1/00
 H02M 3/00
 H02M 1/08
 H02M 5/22
 H02M 3/335
 H02M 7/48
 (21) 2029574
 (22) 01.11.2021
- (54) POWER MODULE, MULTI-PORT POWER CONVERTER AND ENERGY SYSTEM COMPRISING THE SAME
 (71) Technische Universiteit Delft
 (74) dr. ir. G.J.C. Verdijck c.s.
 (72) Zian Qin
 Pavol Bauer
 Soumya Bandyopadhyay
 (41) 01.06.2023
-
- (51) H04B 10/70
 G06N 10/80
 G06F 9/46
 H04L 9/08
 (21) 2029673
 (22) 08.11.2021
 (54) Operating system for quantum network nodes and execution of quantum network applications using such operating system
 (71) Technische Universiteit Delft
 (74) ir. A.R. Aalbers
 (72) Matthew Daniel Skrzypczyk
 Ingmar te Raa
 Erik Axel Dahlberg
 Carlo Delle Donne
 Bart van der Vecht
 Wojciech Kozlowski
 Stephanie Dorothea Christine Wehner
 (41) 05.06.2023
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NP2

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

(51) A01B 69/04 A01D 75/20 F16P 3/12 (11) 2029583 (47) 01.06.2023 (22) 02.11.2021 (54) AUTONOMOUS TRACTOR AND METHOD TO CULTIVATE FARMLAND USING THIS TRACTOR (73) AGXEED HOLDING B.V. (72) Joris Jan Hiddema Laurentius Hubertus Margaretha Schmitz (74) ir. P.J.P. Janssen	(54) Container voor het vervoer van bewortelde plantenstekken (73) Rijoh Veredeling B.V. (72) Paulus Marinus Maria Zwinkels Andrew Hamilton (74) ir. A. Blokland c.s.	Donghong Liu Enbo Xu Jinsong Feng Shiguo Chen Xingqian Ye (74) ir. W.J.J.M. Kempes
(51) A01B 69/04 A01D 75/20 F16P 3/12 (11) 2029584 (47) 01.06.2023 (22) 02.11.2021 (54) AUTONOMOUS TRACTOR AND METHOD TO CULTIVATE FARMLAND USING THIS TRACTOR (73) AGXEED HOLDING B.V. (72) Joris Jan Hiddema Laurentius Hubertus Margaretha Schmitz (74) ir. P.J.P. Janssen	(51) A01K 13/00 (11) 1044204 (47) 02.06.2023 (22) 04.11.2021 (54) ANIMAL BRUSHING ARRANGEMENT AND METHOD OF OPERATING ANIMAL BRUSHING ARRANGEMENT (73) COMFY-SOLUTIONS B.V. (72) Hans van der Poel Ivar Anton Lagas	(51) A23L 19/18 A23B 7/04 A23B 7/06 A23P 20/10 (11) 2029585 (47) 01.06.2023 (22) 02.11.2021 (54) METHOD FOR PRODUCING A FRIED POTATO PRODUCT (73) Leon de Winter (72) Leon de Winter Moos de Winter Michiel van der Kaaden (74) dr. ir. G.J.C. Verdijck c.s.
(51) A01D 46/30 (11) 2029679 (47) 05.06.2023 (22) 09.11.2021 (54) Automatic harvesting device (73) Belua Beheer B.V. (72) Nick Hubrecht Maria van der Sande Dirk Vermeulen (74) dr. R.C. van Duijvenbode c.s.	(51) A01K 29/00 (11) 2029582 (47) 01.06.2023 (22) 02.11.2021 (54) Method for intelligently identifying estrus state through sheep sound (73) Qingdao Agricultural University (72) Huansheng Dong Mingxu Jiang Bo Jia (74) V. Mellet	(51) A23L 33/22 A23L 5/20 (11) 2029659 (47) 05.06.2023 (22) 08.11.2021 (54) METHOD FOR MAKING PARTICLES FROM CHICORY ROOT (73) WholeFiber Holding B.V. (72) Lucas Bramer Karel Melle Kaper Willem Würdemann Frederik Simon Kaper (74) drs. J. Renkema
(51) A01G 2/10 A01G 7/06 A01G 25/00 A01G 13/00 A01G 17/00 (11) 2029653 (47) 05.06.2023 (22) 05.11.2021 (54) METHOD FOR REGULATING YIELD OF SCION-HARVESTING STOCK PLANT OF CHINESE FIR (73) Fujian Agriculture and Forestry University (72) Pengfei Wu Jielin Pan Xiangqing Ma Xianhua Zou Wenjing Wu Xiaolong Hou (74) drs. C.M.A. Quintelier	(51) A23D 9/007 A23J 1/14 A23L 11/30 C11B 1/00 C11B 1/04 C11B 1/10 A23J 3/14 (11) 2029591 (47) 01.06.2023 (22) 02.11.2021 (54) METHOD FOR EXTRACTING A LIPID-, A PROTEIN-, AND/OR A CARBOHYDRATE-CONTAINING COMPOSITION FROM OIL-RICH SEEDS (73) Cano-ela B.V. (72) Maria Juliana Romero Guzmán Niccolai Alberto (74) ir. J.C. Volmer c.s.	(51) A23P 10/20 A23L 19/00 A23P 10/30 (11) 2029697 (47) 05.06.2023 (22) 09.11.2021 (54) BLUEBERRY POPPING BOBA PREPARED BASED ON RESPONSE SURFACE METHOD AND PREPARATION PROCESS THEREOF (73) QILU UNIVERSITY OF TECHNOLOGY (72) Wenlin Liu Yuhao Ju Cunxi Dai Yiting Ju Kai Liu Yiling Zhang Wei Wang Yanqiu Zhao Lujiang Hao (74) ir. W.J.J.M. Kempes
(51) A01G 9/029 (11) 1044197 (47) 02.06.2023 (22) 03.11.2021	(51) A23L 3/26 A23L 3/30 (11) 2029669 (47) 05.06.2023 (22) 08.11.2021 (54) GREEN AND EFFICIENT COUPLING STERILIZATION METHOD (73) ZHEJIANG UNIVERSITY ZHENGZHOU UNIVERSITY OF LIGHT INDUSTRY (72) Xinyu Liao Mofei Shen Tian Ding Qisen Xiang	(51) A42B 3/06 (11) 2031732 (47) 05.06.2023 (22) 28.04.2022

(54) SAFETY PROTECTION HELMET FOR LIGHT AND SMALL UNMANNED AIRCRAFT	Johan Hendrikus Christiaan Reiber Yves Robèrt Vijgeboom (74) ir. H.A. Witmans c.s.	(74) ir. H.A. Witmans c.s. (51) A61P 25/00 A61K 36/88 A61K 35/12 A61K 36/236 A61K 36/888 A61K 36/8888 A61K 36/882 A61K 36/23 A61K 36/64 A61K 36/40 A61K 36/284 A61K 35/62
(73) Northwestern Polytechnical University (72) Bo Cui Yafeng Wang Zheng Yang Yazhou Guo Yongjie Zhang Yingjie Huang (74) ir. M.B. Plaggenborg	(51) A61F 2/28 (11) 2031723 (47) 05.06.2023 (22) 28.04.2022 (54) IMPLANT FOR REPAIR OF BONE DEFECT, METHOD FOR CONSTRUCTING AND PREPARING, COMPUTER-READABLE STORAGE MEDIUM, AND DEVICE (73) SHANGHAI NINTH PEOPLE'S HOSPITAL, SHANGHAI JIAOTONG UNIVERSITY SCHOOL OF MEDICINE (72) Wenbo Jiang Yongqiang Hao Kai Xie Lei Wang Kerong Dai (74) M. Schmid	(11) 2029675 (47) 05.06.2023 (22) 08.11.2021 (54) TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING SUBDURAL EFFUSION AND VARIOUS TYPES OF HYDROCEPHALUS (73) Qingfu Zhou Chuanxiang Zhou (72) Qingfu Zhou Chuanxiang Zhou (74) ir. M.B. Plaggenborg
(51) A43B 7/142 A43B 17/00 A43B 7/1463 (11) 1044201 (47) 02.06.2023 (22) 03.11.2021 (54) Podotherapeutische inrichting en wijzen van gebruik daarvan (73) PLT Products B.V. (72) Eduard Franciscus Maria Wender	(51) A61G 3/06 B60P 1/43 (11) 2029577 (47) 01.06.2023 (22) 01.11.2021 (54) Retractable access assembly (73) Oahu B.V. Ventura Systems C.V. (72) Johannes Jan de Boer (74) ir. J.C. Volmer c.s.	(51) A61P 29/00 A61K 47/54 (11) 2029599 (47) 01.06.2023 (22) 02.11.2021 (54) Glycosylated Prodrugs (73) Universiteit Leiden (72) Mahmoud Halima Mei Wang Hans Aerts Nathaniel Martin Annemarie Meijer Karol Ayed Marcel Schaaf (74) dr. A. Krebs
(51) A46B 13/00 A46D 1/00 B60S 3/06 (11) 2029698 (47) 05.06.2023 (22) 09.11.2021 (54) Brush for vehicle washing system (73) Spatz Holding B.V. (72) Roel Muskens (74) ir. H.Th. van den Heuvel c.s.	(51) A61J 3/00 A61J 1/20 (11) 2031054 (47) 31.05.2023 (22) 23.02.2022 (54) COMPOUNDING SYSTEM (73) The Compounding Company B.V. (72) Kasper Bosscher Luc Peter Eléonore Marie Kluskens (74) ir. A. van der Maarl	(51) A61P 35/00 A61K 31/426 (11) 2029608 (47) 02.06.2023 (22) 03.11.2021 (54) USE OF EPALRESTAT IN PREPARATION OF PANCREATIC CANCER DRUGS (73) AFFILIATED HOSPITAL OF NANTONG UNIVERSITY (72) Fei Chen Tong Wu Jie Ji Wenjie Zheng Mingbing Xiao Wei Shi Renjie Lin Zhifeng Gu (74) ir. W.J.J.M. Kempes
(51) A47C 27/05 (11) 2029662 (47) 05.06.2023 (22) 08.11.2021 (54) A METHOD TO PRODUCE A MATTRESS, A MATTRESS OBTAINABLE WITH THIS METHOD AND A SYSTEM FOR APPLYING THIS METHOD (73) KONINKLIJKE AUPING B.V. (72) Dennis Nijland Martijn Paf Ronald Adriaan van der Aa (74) ir. P.J.P. Janssen	(51) A61K 31/64 A61K 45/06 A61P 3/10 A61P 3/14 (11) 2029634 (47) 02.06.2023 (22) 04.11.2021 (54) PHARMACEUTICAL COMPOSITION FOR INCREASING MITOCHONDRIAL ACTIVITY AND/OR IMPROVING ADIPONECTIN PRODUCTION (73) Logick Energetics B.V. (72) Clemens Waltherus Gerardus Maria Löwik (74) drs. P.A. van Essen c.s.	(51) A61B 3/103 A61B 3/14 (11) 2029579 (47) 01.06.2023 (22) 01.11.2021 (54) Guiding a user to a test position for performing a computer-based eye exam. (73) Easee Health B.V. (72) Jouke-Thiemo Waleson Fehim Ismailov (74) ir. A. Blokland c.s.
(51) A61B 6/00 (11) 2029633 (47) 02.06.2023 (22) 04.11.2021 (54) Method and device for monitoring a flow of a fluid in a vessel (73) Medis Associated B.V. (72) Catalina Tobón Gómez Gianni Pedrizzetti Hua Ma Johannes Petrus Janssen	(51) A61N 5/10 (11) 2029601 (47) 02.06.2023 (22) 03.11.2021 (54) BRACHYTHERAPY SENSOR CABLE (73) Nucletron Operations B.V. (72) Cor van de Wardt Frits Pieter de Vries Johan Henning	(51) A63F 13/245 A63F 13/803 A63F 13/98 (11) 2029684 (47) 05.06.2023 (22) 09.11.2021 (54) Wheel stand (73) Arnoud Rogier Landzaat (72) Arnoud Rogier Landzaat

(74) ir. H.A. Witmans c.s.	Lupeng Shao	(74) ir. W.J.J.M. Kempes
(51) A63H 33/06	Gaojin Lv	(51) B32B 27/30
B42F 1/00	(74) ir. W.J.J.M. Kempes	B23B 27/08
(11) 2029572	(51) B05D 7/24	B65D 85/34
(47) 01.06.2023	C09D 183/04	A23B 7/04
(22) 31.10.2021	C09D 185/02	B65D 30/08
(54) Verbeterd hechtsysteem voor folie en automatisch koppelapparaat.	(11) 2029566	B65D 33/01
(73) Paul Gokkel	(47) 01.06.2023	B65B 25/04
(72) Paul Gokkel	(22) 29.10.2021	(11) 2029642
(74) ir. A. van der Maarl	(54) METHOD FOR REALIZING ANTI-ICING OF AIRCRAFT SURFACE BY LUBRICATING WITH PHASE-CHANGE MATERIAL	(47) 02.06.2023
(51) B01D 53/14	(73) SHANGHAI JIAO TONG UNIVERSITY	(22) 04.11.2021
B01D 53/22	(72) Weiliang Kong	(54) FRUIT AND VEGETABLE DOUBLE-LAYER FILM PACKAGING BAG AND FRUIT AND VEGETABLE FRESH-KEEPING METHOD
C25B 1/04	Xiaobin Huang	(73) INSTITUTE OF SERICULTURE AND AGRICULTURAL PRODUCTS PROCESSING, GUANGDONG ACADEMY OF AGRICULTURAL SCIENCES
C01B 3/04	Hong Liu	GUANGDONG BAODELI NEW MATERIAL TECHNOLOGY Co., Ltd
C01B 21/04	Xiaofei Li	(72) Ling Wang
C07C 1/12	(74) ir. M.B. Plaggenborg	Feiping Chen
C10G 2/00	(51) B09C 1/08	Zheng Luo
C10K 3/02	(11) 2031159	Yingwei Qi
C07C 29/151	(47) 05.06.2023	Yulong Chen
(11) 2029586	(22) 04.03.2022	(74) ir. M.B. Plaggenborg
(47) 01.06.2023	(54) A Method for Removing Organochlorine Compounds in soil by Chelating Agent-Enhanced Advanced Oxidation Under Electrokinetic Remediation	(51) B62B 7/08
(22) 02.11.2021	(73) INSTITUTE OF SOIL SCIENCE, CHINESE ACADEMY OF SCIENCES	B62B 7/06
(54) METHOD FOR RECOVERY OF CO2 FROM CHEMICAL SOLVENTS AND INTEGRATION WITH SUBSEQUENT PROCESSES	(72) Hongjie Sheng	(11) 2029603
(73) WFU B.V.	Fang Wang	(47) 02.06.2023
(72) Christiaan Leo Evert Nijst	Fidele Suanon	(22) 03.11.2021
Franciscus Johannes Maria Schrauwen	Leilei Xiang	(54) FOLDABLE STROLLER
(74) dr. ir. G.J.C. Verdijck c.s.	Yongrong Bian	(73) Fortunatus Johannes de Haas
(51) B01F 25/312	Xin Jiang	(72) Fortunatus Johannes de Haas
F16K 7/06	(74) M. Schmid	(74) ir. W.J.J.M. Kempes
(11) 2029588	(51) B29B 15/12	(51) B63C 9/28
(47) 01.06.2023	(11) 2033658	B63B 29/02
(22) 02.11.2021	(47) 31.05.2023	(11) 2029618
(54) Flow control device and mixing assembly comprising said flow control device	(22) 02.12.2022	(47) 02.06.2023
(73) Magnets for emulsions N.V.	(54) OUTER WRAPPING METHOD AND PREPARATION SYSTEM OF CONTINUOUS CARBON FIBER 3D PRINTING WIRES	(22) 03.11.2021
(72) Nielsen Willemarck	(73) Dalian University of Technology	(54) LIFE JACKET AUXILIARY WEARING DEVICE
Johan Adriaan Martens	(72) Ji Wang	(73) WUHAN UNIVERSITY OF TECHNOLOGY
(74) dr. ir. G.J.C. Verdijck c.s.	Rui Li	(72) Quandang Ma
(51) B01F 25/452	Xiao Liu	Nengchao Lv
B01F 33/81	Angang Wang	Yong Ma
(11) 2029576	Yujun Liu	Jinfen Zhang
(47) 01.06.2023	(74) ir. M.B. Plaggenborg	Chengpeng Wan
(22) 01.11.2021	(31) 202111465832.7	Yujie Jiang
(54) A device for mixing a confectionery mass, a mould provided with the device and a method of mixing a confectionery mass using the device	(32) 03.12.2021	Zhao Liu
(73) Fassin Tussenhoudster B.V.	(33) China	Liutao Ma
(72) Lodewijk Gerhardus Theodurus Jansen	(51) B32B 7/03	Ang Su
Thomas Kurt Xaver Fassin	B32B 27/30	Fen Tao
Patricia Annemarie Paula Maria Fassin	B29C 48/00	Sen Liu
(74) ir. A. Blokland c.s.	B29C 48/21	Yufei Peng
(51) B01J 13/06	(11) 2029984	Yang Zhou
(11) 2029690	(47) 31.05.2023	(74) ir. W.J.J.M. Kempes
(47) 05.06.2023	(22) 01.12.2021	(51) B63G 8/00
(22) 09.11.2021	(54) PVDF MEMBRANE AND PREPARATION DEVICE AND METHOD	B63G 8/14
(54) METHOD FOR PREPARING LIGNOSULFONATE (LS) NANOSPHERES AND NANORODS	(73) Jiaying Gaozheng New Material Technology Co., Ltd.	B63G 8/39
(73) QILU UNIVERSITY OF TECHNOLOGY	(72) Wanqing Zhen	(11) 2029568
(72) Yu Liu	Peng Wang	(47) 01.06.2023
Weikun Jiang		(22) 29.10.2021
Shuyun Liu		(54) SEMI-SUBMERSIBLE UNMANNED BOAT

(73) SHANGHAI OCEAN UNIVERSITY	(74) ir. A. Blokland c.s.	Gongyi He
(72) Lizhen Zhang	(51) B65G 47/248	Yiyong Chen
Qingsong Hu	B65G 21/20	Hao Tang
Yongcheng Liang	(11) 2029672	Jianlong Li
Bo Jiang	(47) 05.06.2023	Jingchi Tang
Tao Zhao	(22) 08.11.2021	Jiayu Liu
Di Wu	(54) TRANSPORTER SYSTEM	(74) drs. C.M.A. Quintelier
(74) ir. M.B. Plaggenborg	(73) Canline Systems B.V.	(31) 202110205967.3
(51) B64D 15/00	(72) Ruud Coolen	(32) 24.02.2021
(11) 2029564	(74) dr. ir. G.J.C. Verdijck c.s.	(33) China
(47) 31.05.2023	(51) B65G 47/68	(51) C05F 17/20
(22) 29.10.2021	B25J 9/00	C05F 17/50
(54) METHOD FOR REALIZING ANTI-ICING OF AIRCRAFT SURFACE BY LUBRICATING WITH MAGNETO-SENSITIVE POROUS ANTI-ICING COMPOSITE MATERIAL	B65G 47/71	C05G 3/00
	G05B 19/418	C05G 3/80
	B25J 9/16	(11) 2029594
	(11) 2029652	(47) 01.06.2023
	(47) 05.06.2023	(22) 02.11.2021
(73) SHANGHAI JIAO TONG UNIVERSITY	(22) 05.11.2021	(54) METHOD FOR PREPARING AGRICULTURAL JIAOSU USING PERISHABLE VEGETABLE RESIDUES AND REMNANT FRUITS AND VEGETABLES
(72) Xiaobin Huang	(54) Handling device	
Xiaofei Li	(73) Flex Industries B.V.	
Hong Liu	(72) Gert de Gooijer	
Weiliang Kong	(74) ir. A. Blokland c.s.	
(74) ir. M.B. Plaggenborg	(51) C02F 1/78	(73) ZHEJIANG ACADEMY OF AGRICULTURAL SCIENCES
(51) B65C 9/00	C02F 1/28	
(11) 2029631	(11) 2029624	(72) Wenhui Wu
(47) 02.06.2023	(47) 02.06.2023	Weijing Zhu
(22) 04.11.2021	(22) 03.11.2021	Weiping Wang
(54) Sleeve cutting mechanism and method for cutting a sleeve	(54) Removal of micropollutants from water and installation for use therein	Yanlai Yao
(73) FUJI SEAL EUROPE B.V.	(73) Wageningen Universiteit	Fengxiang Zhu
(72) Lucas van Rijsewijk	HaskoningDHV Nederland B.V.	Chunlai Hong
(74) ir. W.J.J.M. Kempes	(72) Alette Anna Maria Langenhoff	Leidong Hong
(51) B65D 1/24	Henrik Arnoud de Wilt	Yangjian Yu
(11) 1044198	Hubertus Henricus Martinus Rijnaarts	(74) ir. W.J.J.M. Kempes
(47) 02.06.2023	Koen van Gijn	(51) C05F 17/979
(22) 03.11.2021	(74) dr. R.C. van Duijvenbode c.s.	C05F 17/921
(54) Flessenkrat daarmee samenwerkende kroonkurkencontainer met flesopener.	(51) C02F 3/30	C05F 17/936
(73) René Charles Henriët	C02F 9/14	(11) 2029597
(72) René Charles Henriët	C02F 3/28	(47) 01.06.2023
(51) B65D 47/20	C02F 3/02	(22) 02.11.2021
B65D 25/48	(11) 2029609	(54) Dynamische actieve beladings- en beluchtingsvloer voor het composteren van organisch materiaal in een gesloten mobiele of stationaire reactor.
B67D 7/00	(47) 02.06.2023	
B65D 77/06	(22) 03.11.2021	
(11) 2029562	(54) NITROGEN AND PHOSPHORUS REMOVAL METHOD AND DEVICE FOR SEWAGE	(73) Valoriworld B.V.
(47) 01.06.2023	(73) NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY	(72) Dennis Hendricus Wilhelmus Gerardus van Duijnhoven
(22) 29.10.2021	(72) Sheng Chang	Henricus Nicolaas Cornelis van den Boomen
(54) SEALING UNIT FOR A LIQUID CONTAINER	Bo Pang	Julius Laurens de Jong
(73) SmartSeal AS	Hao Wang	(74) ir. A. Blokland c.s.
(72) Jeroen Gerrit Anton Gebbink	Minghui Du	(51) C09D 183/04
Rune Kristian Knutsen	Yaozong Zhang	C09D 7/65
(74) dr. ir. G.J.C. Verdijck c.s.	(74) ir. W.J.J.M. Kempes	(11) 2029563
(51) B65G 21/20	(51) C05F 17/05	(47) 31.05.2023
(11) 2029587	(11) 2030127	(22) 29.10.2021
(47) 01.06.2023	(47) 31.05.2023	(54) SUPER-HYDROPHOBIC COATING COMPOSITE MATERIAL FOR ANTI-ICING AND DE-ICING AND PREPARATION METHOD THEREOF
(22) 02.11.2021	(22) 14.12.2021	
(54) Systeem voor het transporteren van producten	(54) PRODUCTION PROCESS OF BIO-ACTIVE EARTHWORM MANURE ORGANIC FERTILIZER	(73) SHANGHAI JIAO TONG UNIVERSITY
(73) Vanderlande Industries B.V.	(73) Tea Research Institute, Guangdong Academy of Agricultural Sciences	(72) Weiliang Kong
(72) Rudolf van Dijk	Guangdong Zhongshi Longtai Low Carbon Technology Co., Ltd	Xiaobin Huang
Sander Bernard Wilhelmus van Roosmalen	(72) Bo Zhou	Hong Liu
Maikel Theodorus Petrus Willebrordus van Dorst	Jiao Cai	Xiaofei Li
Petrus Theodorus Cornelis Vervoort		(74) ir. M.B. Plaggenborg
Kasper Jan Henk Hendriks		(51) C09K 3/18
		(11) 2029565
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(22) 29.10.2021	(22) 03.11.2021	(72) Immanuel Ezechieel Antonie Naaijen
(54) AIRCRAFT ANTI-ICING COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF	(54) METHOD AND PILE REMOVAL TOOL FOR REMOVING A PILE FROM A SOIL	(74) ir. H.Th. van den Heuvel c.s.
(73) SHANGHAI JIAO TONG UNIVERSITY	(73) IV-CONSULT B.V.	(51) E04G 7/28
(72) Hong Liu	(72) Arie Dirk van den Dool	E04G 1/15
Xiaobin Huang	(74) ir. W.J.J.M. Kempes	E04G 5/08
Weiliang Kong	(51) E02F 3/28	(11) 2029598
Xiaofei Li	E02F 3/34	(47) 01.06.2023
(74) ir. M.B. Plaggenborg	E02F 3/358	(22) 02.11.2021
(51) C12N 9/10	E02F 3/36	(54) Borgingssamenstel voor een steigervloerdeel, steigervloerdeel omvattende het borgingssamenstel, en werkwijze
C12Q 1/48	E02F 3/43	(73) Scafom Holding B.V.
G01N 33/573	E02F 9/08	(72) Franciscus Jozef Leonardus Hubertus Brinkmann
C12P 7/64	E02F 9/26	(74) ir. H.A. Witmans c.s.
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(73) Stichting Het Nederlands Kanker Instituut - Antoni van Leeuwenhoek Ziekenhuis	(73) Peeters Landbouwmachines B.V.	(11) 2029626
(72) Gian-Luca McLelland	(72) Daniel Petrus Marie Peeters	(47) 02.06.2023
Thijn Reinout Brummelkamp	(74) ir. A. Blokland c.s.	(22) 03.11.2021
(74) ir. A. Blokland c.s.	(51) E02F 7/04	(54) TUBE FITTING ASSEMBLY AND METHOD OF ADAPTING A TUBE FITTING
(51) C12Q 1/6806	E02F 9/26	(73) Dyka B.V.
C12Q 1/6869	(11) 2029628	(72) Casper van der Bilt
(11) 2029695	(47) 02.06.2023	(74) dr. ir. G.J.C. Verdijck c.s.
(47) 05.06.2023	(22) 04.11.2021	(51) E21C 41/18
(22) 09.11.2021	(54) DISCHARGING SYSTEM FOR A HOPPER	(11) 2033805
(54) Method and kit for detection of protein-DNA markers, such as protein-DNA interactions and/or histone modifications, in cells	(73) IHC Holland IE B.V.	(47) 31.05.2023
(73) Koninklijke Nederlandse Akademie Van Wetenschappen	(72) Mario Alvarez Grima	(22) 22.12.2022
(72) Jop Haico Kind	Edwin de Hoog	(54) Design method of coal pillar width for a working face mining near normal faults
Silke Johanna Anna Lochs	Bram Adrianus Waltherus van Spaendonk	(73) SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
(74) ir. A. Blokland c.s.	Johannes Cornelis Goeree	(72) Mingming Liu
(51) C30B 23/00	(74) dr. R.C. van Duijvenbode c.s.	Zeqi Jie
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(11) 2029666	(11) 2029650	Lang Lu
(47) 05.06.2023	(47) 05.06.2023	Weihao Zhu
(22) 08.11.2021	(22) 05.11.2021	Zetao Chen
(54) MANUFACTURING METHOD OF SILICON CARBIDE (SiC) SINGLE CRYSTAL	(54) RECLAIMED WATER REUSE SYSTEM SUITABLE FOR RURAL AREAS	Dawei Yin
(73) NANJING HONGTAIJING INTELLIGENT EQUIPMENT TECHNOLOGY CO., LTD.	(73) Chinese Research Academy of Environmental Sciences	Feng Wang
(72) Heng Yao	(72) Bao Xiang	(74) ir. W.J.J.M. Kempes
Tai Yao	Yue Wang	(31) 202210991573.X
Yonghao Yu	Jianlong Chen	(32) 18.08.2022
(74) ir. W.J.J.M. Kempes	Shihua Chen	(33) China
(51) E02B 3/14	Hongge Zhang	(51) F01N 11/00
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(11) 2033438	(74) drs. C.M.A. Quintelier	(11) 2032886
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(73) ABS Infradivies BV	(22) 02.11.2021	(73) HUG Engineering AG
(72) Albert Bruins Slot	(54) VULAUTOMAAT REGENTON DIE ZORGT VOOR FRIS REGENWATER IN DE REGENTON	(72) Thomas Bürgin
(74) ir. A. Ferguson	(73) ir Tiemen Wybrand Wessels	Dario Hug
(31) 2029621	(72) ir Tiemen Wybrand Wessels	(74) ir. A. Blokland c.s.
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(72) Guangfeng Liang	(72) Jing Zhou	(72) Fudi Chen
(74) ir. W.J.J.M. Kempes	Wenjiao Yuan	Jianming Sun
(51) F02P 5/15	Meitong Li	Tianlong Qiu
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(11) 2029619	Wenhao Fan	Li Zhou
(47) 02.06.2023	Shuangyi Han	Bin Wu
(22) 03.11.2021	(74) ir. W.J.J.M. Kempes	Jianping Xu
(54) METHOD FOR DETECTING AND DISTINGUISHING EARLY COMBUSTION AND CARBON DEPOSIT OF ENGINE BASED ON ION CURRENT	(51) F23K 3/00	(74) ir. W.J.J.M. Kempes
(73) TONGJI UNIVERSITY	F23D 1/00	(51) G01N 15/14
(72) Liguang Li	F23C 7/00	G06V 20/69
Jinqiu Wang	(11) 2029663	G02B 21/36
Weiqi Ding	(47) 05.06.2023	G06T 7/00
Jun Deng	(22) 08.11.2021	G01N 33/00
Zongjie Hu	(54) Iron fuel combustion arrangement	G06V 10/44
(74) ir. W.J.J.M. Kempes	(73) Renewable Iron Fuel Technology B.V.	(11) 2029685
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(54) One-way clutch system for a bicycle transmission	(51) F24C 15/00	(72) Jelle van der Horst
(73) Classified Cycling BV	F24C 15/04	Willem Mathijs Rozemuller
(72) Roëll Marie van Druten	F24C 15/32	(74) ir. A.R. Aalbers
(74) ir. H.A. Witmans c.s.	(11) 2029604	(51) G01N 21/65
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(54) BACK PLATE STRUCTURE, BACK PLATE MANUFACTURING MOULD AND PRODUCTION PROCESS FOR PREVENTING BRAKE PAD FROM FALLING OFF	(72) Lex Jacobus Franciscus van Grotel	(73) SHENZHEN UNIVERSITY
(73) YANTAI XINGCHUANG AUTOMOBILE PARTS CO., LTD.	Hooman Parvizi	(72) Jiaying Li
(72) Xingping Feng	(74) drs. A.A. Jilderda	Yuquan Zhang
Kaixu Yuan	(51) F24D 3/08	Houkai Chen
Po Du	F24D 10/00	Changjun Min
(74) ir. W.J.J.M. Kempes	F24D 17/00	Xiaocong Yuan
(51) F23D 14/02	(11) 2029655	(74) ir. M.B. Plaggenborg
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(54) Premix gas burner	(72) Jan Henk Cnossen	(54) PREPARATION METHOD OF ASPHALT SAMPLE FOR AFM OBSERVATION AND DEVICE USED THEREOF
(73) BEKAERT COMBUSTION TECHNOLOGY B.V.	Ronny Dudziak	(73) TONGJI UNIVERSITY
(72) Camillo Hogenbirk	Axel Hilscher	(72) Ming Wang
Marc Bus	(74) ir. J.C. Volmer c.s.	Liping Liu
(74) ir. J.C. Volmer c.s.	(51) F24H 8/00	Lijun Sun
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F23G 7/06	(11) 2029612	(74) ir. W.J.J.M. Kempes
F23J 15/00	(47) 02.06.2023	(51) G01R 33/36
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(54) METHOD FOR CO-PROCESSING COMBUSTIBLE HAZARDOUS WASTE AND HIGH-SALT HAZARDOUS WASTE	Kai Zhang	(54) RF PULSE AMPLIFIER COMPRISING A DC/DC CONVERTER
	Jincheng Wang	(73) Prodrive Technologies Innovation Services B.V.
	(74) ir. W.J.J.M. Kempes	(72) Bart Gerardus Maria van Ark
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(54) Identification Method of Regional Impact Risk Grade and Region Based on Inversion of Source Parameters	(73) XI'AN UNIVERSITY OF ARCHITECTURE AND TECHNOLOGY TIANJIN CHENGJIAN UNIVERSITY	H01R 39/08 H01R 39/18 H02K 11/40 H02K 13/00
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(72) Chengchun Xue Xianqi Bai Yingyuan Wen Zhifeng Ma Anye Cao Yujie Peng Kefeng Shangguan Changbin Wang Yaoqi Liu Wenhao Guo Songwei Wang	(74) ir. W.J.J.M. Kempes (51) G06Q 10/04 G06Q 50/02 E21B 41/00 (11) 2030500 (47) 31.05.2023 (22) 11.01.2022 (54) SYSTEM AND METHOD FOR DYNAMICALLY PREDICTING CARBON DIOXIDE GEOLOGICAL STORAGE POTENTIAL	(73) QINGDAO BORUI SEALING TECHNOLOGY Co., Ltd. QINGDAO UNIVERSITY OF TECHNOLOGY SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY (72) Shiyong Guo Weishan Zhang Jianyong Li Jie Lv Ming Li Fazhan Yang Jianjun Zhang Shaojie Chen
(74) V. Mellet (51) G06F 30/28 (11) 2029575 (47) 01.06.2023 (22) 01.11.2021 (54) METHOD, SYSTEM, STORAGE MEDIUM AND COMPUTER DEVICE FOR WAVE ENERGY RESOURCE ASSESSMENT	(73) Institute of Geology and Geophysics, Chinese Academy of Sciences (72) Bowen Zheng Shengwen Qi Yujie Diao Lei Fu Songfeng Guo Xiaolin Huang Zhendong Cui Tianming Huang Zifang Zhu	(74) ir. M.B. Plaggenborg (51) H02M 1/00 H02M 3/00 H02M 1/08 H02M 5/22 H02M 3/335 H02M 7/48 (11) 2029574 (47) 01.06.2023 (22) 01.11.2021 (54) POWER MODULE, MULTI-PORT POWER CONVERTER AND ENERGY SYSTEM COMPRISING THE SAME
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(74) ir. M.B. Plaggenborg (51) G06K 9/62 (11) 2029570 (47) 31.05.2023 (22) 29.10.2021 (54) AUTOMATIC DOCUMENT RECORDING SYSTEM BASED ON HANDWRITTEN RECOGNITION ARTIFICIAL INTELLIGENCE TECHNOLOGY	(73) XIAMEN UNIVERSITY (72) Guifang Shao Tiejun Li Tundong Liu Ying Wang Yuhua Wen	(51) H04B 10/70 G06N 10/80 G06F 9/46 H04L 9/08 (11) 2029673 (47) 05.06.2023 (22) 08.11.2021 (54) Operating system for quantum network nodes and execution of quantum network applications using such operating system
(73) BEIJING INSTITUTE OF GRAPHIC COMMUNICATION (72) Manxue Zhang Yongbin Zhang Ronghua Liang Zhiqiang Zheng Wenkai Yang Yuansheng Qi Yuqin Liu	(74) ir. W.J.J.M. Kempes (51) H01G 11/14 H01G 11/62 H01M 10/26 H01G 11/08 (11) 2029651 (47) 05.06.2023 (22) 05.11.2021 (54) METHOD AND SUPERCAPACITOR SYSTEM FOR STORING ENERGY, AND ENERGY STORAGE SYSTEM PROVIDED THEREWITH	(73) Technische Universiteit Delft (72) Matthew Daniel Skrzypczyk Ingmar te Raa Erik Axel Dahlberg Carlo Delle Donne Bart van der Vecht Wojciech Kozlowski Stephanie Dorothea Christine Wehner
(74) ir. M.B. Plaggenborg (51) G06N 3/00 B63B 35/32 G06K 9/62 G06Q 10/04 (11) 2029596 (47) 01.06.2023 (22) 02.11.2021 (54) WATERBORNE INTELLIGENT POLLUTION AND OBSTACLE REMOVAL SYSTEM BASED ON COMPUTER VISION	(73) Stichting Wetsus, European Centre of Excellence for Sustainable Water Technology (72) Robert Christiaan Franciscus de Kler Machiel Saakes Hubertus Victor Marie Hamelers Slawomir Pawel Porada	(74) ir. A.R. Aalbers (51) H04N 21/234 H04N 21/44 H04N 21/2187 H04N 21/242 G06N 3/08 G06V 40/10 H04N 21/254 H04N 21/81
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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
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EP1

Vertaalde conclusies van Europese octrooiaanvragen.

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EP2

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(32) 15.06.2020	(73) Serve Sterile PC	ASEGUINOLAZA GARCÍA, Ana
(33) China	(72) Kollia, Maria	PERAL DÍEZ, Irene
(51) A23K 20/121	(51) A23L 2/56	LLORENTE HORGADO, Raquel
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ZVIELY, Michael	A23L 13/60	(22) 31.01.2020
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BANIEL, Eran	(47) 07.06.2023	AGENT
ROMM, Ronit	(87) EP2020052423	(73) Swedish Match North Europe AB
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A61K 36/87	(11) EP3942944	(21) EP20708041.7
A61Q 19/08	(21) EP21190407.3	(47) 07.06.2023
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A61P 17/00	(72) LÖNNERDAL, Bo	(73) Swedish Match North Europe AB
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(72) BARADAT, André	A23N 1/02	(21) EP19739350.7
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A24F 40/40	(54) SHISHA CARTRIDGE HAVING A	MAROSE, Michaela
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A61M 15/06	(73) Philip Morris Products S.A.	A24F 40/40
A61M 16/00	(72) FERNANDO, Felix	(11) EP3920744
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(22) 19.11.2019	(32) 28.06.2017	(54) SMOKING SUBSTITUTE APPARATUS
(54) OVERWRAP MATERIAL CONTAINING	(33) European Patent Office (EPO)	(73) IMPERIAL TOBACCO LIMITED
AEROSOL FORMER FOR AEROSOL	(51) A24F 1/30	(72) MURRAY, Samantha
SOURCE MEMBER	(11) EP3784068	LORD, Chris
(73) R.J. Reynolds Tobacco Company	(21) EP19727732.0	JONES, David
(72) SEBASTIAN, Andries D.	(47) 07.06.2023	MARCHBANK, Jonathan
CONNER, Billy T.	(87) IB2019053392	SUDLOW, Tom
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MUA, John-Paul	(22) 24.04.2019	(31) 19155871
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METHOD FOR MANUFACTURING	(22) 19.10.2018	A24F 40/40
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(73) Republic Technologies (NA) LLC	ELECTRONIC AEROSOL PROVISION	(21) EP20715754.6
(72) PARTOUCHE, Olivier	DEVICE	(47) 07.06.2023
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(47) 07.06.2023	B65D 75/46	MADDEN, Alfred
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KOBISKY, Jason	(72) BÜHR, Carmen	A61M 15/06
JACKSON, Cortney R.		

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(21) EP17780008.3	NON-SIMULTANEOUSLY OPERATED	VAPORIZER DEVICE
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(22) 17.03.2020	A24F 40/44	A RESERVOIR HOUSING AND A
(54) AEROSOL DELIVERY SYSTEM	A24F 40/46	VAPORIZER ASSEMBLY
(73) NERUDIA LIMITED	A24F 40/10	(73) RAI Strategic Holdings, Inc.
(72) LORD, Chris	(11) EP3941225	(72) HUNT, Eric Taylor
SUDLOW, Thomas	(21) EP20715762.9	NESTOR, Timothy Brian
ILLIDGE, Ben	(47) 07.06.2023	BRINKLEY, Paul Andrew
MADDEN, Alfred	(87) EP2020057339	SEARS, Stephen Benson
ASTBURY, Ben	24.09.2020	DEPIANO, John
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(72) ROEBUCK, Jason	A24F 40/60	LIQUID RESERVOIR/WICK PORTION
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DEVICE	HEATER MODULE	(73) Nicoventures Trading Limited
(73) Nicoventures Trading Limited	(73) KT&G Corporation	(72) BOHAM, Scott George
(72) Lord, Christopher	(72) KIM, Dong Sung	HUGHES, Steve
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(54) ELECTRONIC VAPOUR PROVISION	(47) 07.06.2023	04.03.2021
DEVICE	(87) GB2019052944	(22) 13.08.2020
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(22) 04.03.2020	30.01.2020	(73) InnoCigs GmbH & Co. KG
(54) AEROSOL DELIVERY DEVICE	(22) 26.07.2019	(72) DAHLMANN, Dennis
PROVIDING FLAVOR CONTROL	(54) AEROSOL-GENERATING DEVICE	(51) A24F 47/00
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(72) HEJAZI, Vahid	CONTROLLER	(21) EP22164284.6
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(33) United States of America	ZINOVIK, Ihar Nikolaevich	(54) REFILLABLE ELECTRONIC
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(54) SMOKING SUBSTITUTE SYSTEM	(87) EP2019075533	(11) EP3675661
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SHENTON, Ross	(73) NERUDIA LIMITED	07.03.2019
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A24F 40/70	LOMAS, Peter	BOWEN, Adam
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(54) HEATER MODULE, METHOD OF	(87) GB2020051928	A24F 40/60
MANUFACTURING THE HEATER	04.03.2021	

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(73) China Tobacco Hunan Industrial Co., Ltd.	(54) INTELLIGENT CHARGER FOR AN	HATTON, Nicholas, J.
(72) LIU, Jianfu	AEROSOL DELIVERY DEVICE	MURPHY, Andrew, L.
ZHONG, Kejun	(73) RAI Strategic Holdings, Inc.	PHAM, Hugh
GUO, Xiaoyi	(72) SUR, Rajesh	VALENTINE, Val
HUANG, Wei	(31) 201715708729	(31) 201862689774 P
YU, Hong	(32) 19.09.2017	(32) 25.06.2018
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YIN, Xinqiang	(51) A24F 47/00	(51) A24F 47/00
YI, Jianhua	H04M 1/725	H05B 1/02
ZHOU, Yongquan	H04W 12/08	(11) EP4056059
HUANG, Chaoxiang	(11) EP3982778	(21) EP22171368.8
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(51) A43B 17/00	A43C 1/02	(22) 05.07.2018
A43B 17/14	(11) EP3768108	(54) A METHOD AND A SYSTEM FOR
B29D 35/14	(21) EP19729997.7	OBTAINING FOOT ANALYSIS DATA
A43B 7/14	(47) 07.06.2023	(73) Footbalance System Oy
(11) EP3981279	(87) US2019033281	(72) HAKKALA, Erkki
(21) EP20201120.1	05.12.2019	(51) A44B 6/00
(47) 07.06.2023	(22) 21.05.2019	A44B 3/02
(22) 09.10.2020	(54) CLOSURE FOR AN ARTICLE OF	A45F 5/02
(54) ORTHOPAEDIC SHOE INSERT BLANK	FOOTWEAR	A44B 5/00
AND METHOD FOR PRODUCING THE	(73) NIKE Innovate C.V.	(11) EP3881707
SAME	(72) SANDY, Chad W.	(21) EP20164216.2
(73) Spannrit GmbH	TAYLOR, Justin R.	(47) 07.06.2023
(72) Katzer, Roland	HENZ, Alvaro L.	(22) 19.03.2020

(54) BUTTON HOLDER FOR A CLOTHING ACCESSORY	(33) United Kingdom	(21) EP19752184.2
(73) FashTec GmbH	(51) A44C 5/00	(47) 07.06.2023
(72) Mathur, Samir	G02C 5/00	(87) EP2019071376
(51) A44B 11/22	G02C 5/08	13.02.2020
A44B 11/24	G02C 5/14	(22) 08.08.2019
A44B 11/00	G02C 5/20	(54) METHOD OF MANUFACTURING A
(11) EP3970551	(11) EP3745903	PIECE OF LIGGAGE
(21) EP20197081.1	(21) EP18840116.0	(73) Louis Vuitton Malletier
(47) 07.06.2023	(47) 07.06.2023	(72) NEWSON, Marc
(22) 19.09.2020	(87) US20180866273	(31) 1857439
(54) WAISTBELT BUCKLE	08.08.2019	(32) 10.08.2018
(73) Weiland, Karlheinz	(22) 18.12.2018	(33) France
(72) Weiland, Karlheinz	(54) WEARABLE ITEM HAVING A BI-	(51) A45C 5/14
(51) A44B 11/25	STABLE MECHANISM	A45C 7/00
(11) EP3942961	(73) Singer, Kenzo	(11) EP3638068
(21) EP21191582.2	(72) SINGER, Kenzo	(21) EP18817802.4
(47) 07.06.2023	SINGER, Mark	(47) 07.06.2023
(22) 17.08.2021	(31) 201815883345	(87) AU2018050582
(54) MAGNETIC BUCKLE	(32) 30.01.2018	20.12.2018
(73) Lian Yang Plastic (Shen Zhen) Co., Ltd.	(33) United States of America	(22) 12.06.2018
(72) Li, Qiuzong	(51) A44C 17/02	(54) INTERCONNECTING LUGGAGE
(31) 202110415373	A44C 9/00	SYSTEM
(32) 18.04.2021	A44C 7/00	(73) Glide Luggage Pty Ltd
(33) China	(11) EP3927208	(72) STONE, Adrian
(51) A44B 19/06	(21) EP20709716.3	FORD, Timothy John
A44B 19/18	(47) 07.06.2023	HWANG, Han Young
A44B 19/20	(87) IB2020051301	(31) 2017902235
A41F 1/00	27.08.2020	(32) 13.06.2017
(11) EP3501322	(22) 17.02.2020	(33) Australia
(21) EP18214825.4	(54) JEWELRY ARTICLE WHICH CAN BE	(51) A45C 11/18
(47) 07.06.2023	DISASSEMBLED	(11) EP3626103
(22) 20.12.2018	(73) Nalon, Roberto	(21) EP19200939.7
(54) EASY-SLIDE ZIPPER AND ARTICLES	Pino, Armando	(47) 07.06.2023
USING THE SAME	(72) Nalon, Roberto	(22) 17.12.2013
(73) Kee (Guangdong) Garment Accessories Ltd	Pino, Armando	(54) CREDIT CARD HOLDER WITH
(72) CHEN, Changhua	(31) 201900002325	IMPROVED CARD EJECTOR /
(31) 201811467682	(32) 18.02.2019	DISPENSER
201810419948	(33) Italy	(73) R.J. van Geer Beheer bv
201711396788	(51) A45B 23/00	(72) van Geer, René Johan
(32) 03.12.2018	(11) EP3506783	(31) 2011970
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21.12.2017	(47) 07.06.2023	(32) 16.12.2013
(33) China	(87) NL2017000013	17.12.2012
China	08.03.2018	(33) Netherlands
China	(22) 29.08.2017	Netherlands
(51) A44C 5/00	(54) DEVICE COMPRISING A CLOTH	(51) A45C 11/22
G02C 5/00	(73) Madison B.V.	B63B 21/56
G02C 5/06	(72) VAN DE KEUKEN, Johan Edwin	B63B 22/24
G02C 5/12	(31) 1042029	B63C 9/15
G02C 5/18	(32) 02.09.2016	A45C 13/38
G02C 5/22	(33) Netherlands	(11) EP3876782
G02C 5/16	(51) A45C 1/02	(21) EP19823922.0
B21F 45/00	A45C 1/06	(47) 07.06.2023
B29D 12/02	A45C 13/18	(87) GB2019053130
(11) EP3685217	(11) EP4079183	14.05.2020
(21) EP18780042.0	(21) EP21189949.7	(22) 05.11.2019
(47) 07.06.2023	(47) 07.06.2023	(54) KIT FOR TOWING ITEMS THROUGH
(87) EP2018075588	(22) 05.08.2021	WATER WHILE SWIMMING
28.03.2019	(54) PURSE OR WALLET WITH SLOT FOR	(73) Above Below Ltd.
(22) 21.09.2018	A TAG / TRACKER	(72) WATT, William Dickson
(54) WEARABLE ITEM AND METHOD OF	(73) PiNkey AG	(31) 201818018
MANUFACTURE	(72) Malessa, Steffen	(32) 05.11.2018
(73) Wires Glasses Ltd	(31) 202021102205 U	(33) United Kingdom
(72) NEUMAN, Yair	(32) 23.04.2021	(51) A45D 1/04
(31) 201715376	(33) Germany	A45D 2/00
(32) 22.09.2017	(51) A45C 5/14	A45D 1/00
	(11) EP3833211	A45D 1/10
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A45D 1/28	(21) EP17771555.4	(54) DEVICE FOR PREPARING A
A45D 6/04	(47) 07.06.2023	COSMETIC COMPOSITION AND
(11) EP3695743	(87) GB2017052738	ASSOCIATED PREPARATION
(21) EP20152792.6	22.03.2018	PROCESS
(47) 07.06.2023	(22) 15.09.2017	(73) L'OREAL
(22) 21.01.2020	(54) AN ATTACHMENT FOR A HAIR DRYER	(72) DEHAUDT, Eric
(54) HAIR STYLING DEVICE	AND A METHOD OF BLOW DRYING	POCARD, Thomas
(73) KU Europe GmbH	HAIR USING SUCH AN ATTACHMENT	(31) 1871775
(72) Kurbegovic, Amel	(73) MacPherson, John	(32) 23.11.2018
(31) 202019000660 U	(72) MACPHERSON, John	(33) France
(32) 12.02.2019	BRAND, Gordon	(51) A45D 34/04
(33) Germany	(31) 201615775	(11) EP3749134
(51) A45D 1/06	(32) 16.09.2016	(21) EP19711402.8
A45D 2/00	(33) United Kingdom	(47) 07.06.2023
A45D 7/04	(51) A45D 20/12	(87) FR2019050270
A45D 7/06	A45D 20/10	15.08.2019
A45D 19/00	(11) EP3998901	(22) 07.02.2019
(11) EP3972444	(21) EP20816307.1	(54) APPLICATOR STOPPER WITH
(21) EP20725584.5	(47) 07.06.2023	APPLICATION STEM THAT CAN MOVE
(47) 07.06.2023	(87) IB2020060292	BETWEEN A RETRACTED POSITION
(87) EP2020063994	14.05.2021	AND A DEPLOYED POSITION
26.11.2020	(22) 03.11.2020	(73) Clever Beauty
(22) 19.05.2020	(54) HAIRDRYER	(72) BENTITALLAH, Maëva
(54) FOIL FOR A STRAND OF KERATINIC	(73) GA.MA S.r.l.	(31) 1851046
FIBERS AND RELATED KIT AND	(72) CEVA, Carlos José	(32) 08.02.2018
ILLUMINATION PROCESS	(31) 201900020314	(33) France
(73) L'OREAL	(32) 04.11.2019	(51) A45D 34/04
(72) WOODLAND, Frédéric	(33) Italy	(11) EP3998904
VIC, Gabin	(51) A45D 29/11	(21) EP20743635.3
OSOLIN, Fabrice	A45D 29/18	(47) 07.06.2023
(31) 1905313	A45D 34/04	(87) EP2020070159
(32) 21.05.2019	A46B 5/00	21.01.2021
(33) France	A46B 7/00	(22) 16.07.2020
(51) A45D 19/00	A46B 11/00	(54) WIPER FOR A COSMETIC PRODUCT
A61K 8/26	(11) EP3576568	APPLICATOR, ASSOCIATED DEVICE
A61Q 5/00	(21) EP18747330.1	AND METHOD OF APPLICATION
A61Q 19/00	(47) 07.06.2023	(73) L'OREAL
A61K 8/96	(87) IL2018050110	(72) BERHAULT, Alain
A61K 8/20	09.08.2018	(31) 1908007
(11) EP3860392	(22) 31.01.2018	(32) 16.07.2019
(21) EP19774125.9	(54) A NAIL POLISH KIT FOR USE BY	(33) France
(47) 07.06.2023	AN AUTOMATED NAIL POLISH	(51) A45D 34/04
(87) EP2019076634	APPLICATION APPARATUS	A45D 40/18
09.04.2020	(73) Nailomatic Ltd.	A45D 40/26
(22) 01.10.2019	(72) MOR YOSEF, Avichay	(11) EP4035561
(54) COSMETIC TREATMENT PROCESS	MILLER, Ron	(21) EP20873061.4
(73) L'OREAL	MORAN, Omri	(47) 07.06.2023
(72) SAMAIN, Henri	SOKOL, Gil	(87) CN2020104996
GIRON, Franck	(31) 201762574241 P	08.04.2021
ROBINAULT, Jean-Luc	201762533720 P	(22) 28.07.2020
(31) 1859106	201762452461 P	(54) COSMETICS BOTTLE WITH
(32) 02.10.2018	(32) 19.10.2017	REPLACEABLE INTERNAL
(33) France	18.07.2017	ASSEMBLIES
(51) A45D 20/04	31.01.2017	(73) Shya Hsin Packaging Industry (China)
(11) EP3958707	(33) United States of America	Co., Ltd.
(21) EP20728188.2	United States of America	(72) ZHONG, Hua
(47) 07.06.2023	United States of America	(31) 201921652653 U
(87) IB2020053814	(51) A45D 34/00	(32) 30.09.2019
29.10.2020	A45D 40/24	(33) China
(22) 22.04.2020	A61M 35/00	(51) A45D 34/04
(54) HAIRDRYER	B65D 81/32	A45D 40/26
(73) GA.MA S.r.l.	A61K 8/02	B65D 1/02
(72) CEVA, Carlos José	(11) EP3883425	B65D 51/32
(31) 201900006306	(21) EP19805323.3	B29C 70/68
(32) 24.04.2019	(47) 07.06.2023	B32B 27/00
(33) Italy	(87) EP2019082130	B32B 27/08
(51) A45D 20/12	28.05.2020	B32B 27/30
(11) EP3512372	(22) 21.11.2019	B32B 27/32

B32B 27/34	(47) 07.06.2023	(72) WATZINGER, Lukas
(11) EP3878309	(87) EP2020058123	(31) 500422019
(21) EP20162434.3	01.10.2020	601652018
(47) 07.06.2023	(22) 24.03.2020	(32) 21.01.2019
(22) 11.03.2020	(54) MACHINE FOR DISPENSING A	04.10.2018
(54) A DAUBER APPLICATOR ASSEMBLY	CONTROLLED QUANTITY OF A	(33) Austria
AND A MULTI-LAYERED CONTAINER	COSMETIC COMPOSITION	Austria
FOR SOLVENT CEMENT PRODUCTS	(73) L'OREAL	(51) A46B 1/00
(73) Pidiilite Industries Limited	(72) MARCHAL, Vincent	A46B 3/00
(72) Perekh, Madhukar	(31) 1903069	A46B 9/02
(51) A45D 34/04	(32) 25.03.2019	(11) EP3236803
B65D 81/32	(33) France	(21) EP15817863.2
B65D 51/28	(51) A45D 44/08	(47) 07.06.2023
B65D 83/00	(11) EP3376894	(87) EP2015081140
A45D 34/00	(21) EP16816747.6	30.06.2016
B01F 35/71	(47) 07.06.2023	(22) 23.12.2015
(11) EP3796807	(87) IB2016056945	(54) APPLICATOR FOR APPLYING A
(21) EP19724868.5	26.05.2017	COSMETIC, MAKEUP OR CARE,
(47) 07.06.2023	(22) 18.11.2016	PRODUCT TO THE EYELASHES AND/
(87) EP2019063256	(54) CAPE FOR HAIRDRESSERS WITH	OR EYEBROWS
28.11.2019	NECK HOOK	(73) L'OREAL
(22) 22.05.2019	(73) Joker Parrucchieri di Ferrante Giovanni	(72) MANICI, Davide
(54) DEVICE FOR PREPARING A	(72) FERRANTE, Giovanni	THENIN, Audrey
COSMETIC COMPOSITION, SET	(31) UB20160506	BERHAULT, Alain
OF CAPSULES AND ASSOCIATED	UB201595715 U	CAULIER, Eric
PREPARATION PROCESS	(32) 29.01.2016	(31) 1463197
(73) L'OREAL	18.11.2015	(32) 23.12.2014
(72) DEHAUDT, Eric	(33) Italy	(33) France
COUDERC, Paul	Italy	(51) A46B 3/02
(31) 1854316	(51) A45F 3/20	A46B 9/02
(32) 23.05.2018	(11) EP3852574	A46B 9/06
(33) France	(21) EP19773146.6	A46D 1/06
(51) A45D 40/26	(47) 07.06.2023	A46D 3/04
A46B 9/02	(87) GB2019052559	A46D 1/08
(11) EP3541229	26.03.2020	(11) EP3782507
(21) EP17797382.3	(22) 13.09.2019	(21) EP19199198.3
(47) 07.06.2023	(54) COLLAPSIBLE VESSEL	(47) 07.06.2023
(87) EP2017079478	(73) JOI Ltd	(22) 24.09.2019
24.05.2018	(72) ADAMS, Nick	(54) MAKEUP BRUSH AND
(22) 16.11.2017	MURPHY, Tracy	MANUFACTURING METHOD THEREOF
(54) APPLICATOR FOR THE EYELASHES	(31) 201815385	(73) Beauty Yaurient Cosmetics Accessories
AND/OR EYEBROWS	(32) 21.09.2018	(Shenzhen) Co., Ltd.
(73) L'OREAL	(33) United Kingdom	(72) LIN, Yuju
(72) BERHAULT, Alain	(51) A45F 3/22	(31) 201910764838
THENIN, Audrey	A45F 3/24	(32) 19.08.2019
(31) 1661137	(11) EP3799766	(33) China
(32) 17.11.2016	(21) EP20199976.0	(51) A46B 3/18
(33) France	(47) 07.06.2023	A46D 3/00
(51) A45D 40/26	(22) 05.10.2020	A46B 9/02
B65D 41/06	(54) FOLDABLE FRAME FOR HAMMOCK	(11) EP3358987
(11) EP3675686	SWING	(21) EP16798275.0
(21) EP17777978.2	(73) Tsanev, Tihomir	(47) 07.06.2023
(47) 07.06.2023	Tsaneva, Detelina	(87) IB2016056019
(87) JP2017032389	(72) Tsanev, Tihomir	13.04.2017
07.03.2019	Tsaneva, Detelina	(22) 07.10.2016
(22) 01.09.2017	(31) 201916592027	(54) ORAL HYGIENE OR COSMETIC
(54) STEM WITH BAYONET CLOSURE AND	(32) 03.10.2019	APPLICATOR BRUSH DEVICE AND
DEVICE EQUIPPED THEREWITH	(33) United States of America	MANUFACTURING METHOD THEREOF
(73) L'OREAL	(51) A45F 5/00	(73) PONZINI S.p.A.
(72) ROUALDES, Marine	(11) EP3860397	(72) PONZINI, Eligio
RAMET, Marc	(21) EP19786902.7	(31) UB20154213
MARIN, Alexandra	(47) 07.06.2023	(32) 08.10.2015
LECHANOINE, Marc	(87) AT2019060321	(33) Italy
COATRIEUX LOPPES, Gilles	09.04.2020	(51) A46B 5/00
(51) A45D 44/00	(22) 01.10.2019	A46B 9/06
A45D 40/24	(54) HOLDING DEVICE FOR PORTABLE	A46B 9/08
(11) EP3945932	EQUIPMENT	A46B 13/00
(21) EP20713284.6	(73) REELOQ GMBH	A46B 13/02

A46B 15/00	JOHNSON, Mark Thomas	(73) DONGGUAN SHICHANG METALS
(11) EP3352622	DEANE, Steven Charles	FACTORY LTD.
(21) EP16775003.3	SPRUIT, Johannes Hendrikus Maria	(72) LIN, Chenkang
(47) 07.06.2023	RMAILE, Amir Hussein	(31) 201910241492
(87) SE2016050900	HORSTMAN, Pieter	(32) 28.03.2019
30.03.2017	OUWELTJES, Okke	(33) China
(22) 23.09.2016	(31) 201462054417 P	(51) A47B 43/00
(54) A ROTATABLE BRUSH FOR ANIMALS	(32) 24.09.2014	A47B 45/00
(73) DeLaval Holding AB	(33) United States of America	A47F 5/10
(72) RUIZ RODRIGUEZ, Juan-Miguel	(51) A46B 15/00	A47B 87/02
(31) 1551221	A61C 17/22	B62B 3/02
(32) 23.09.2015	(11) EP3537928	A47B 31/04
(33) Sweden	(21) EP17801028.6	A47F 5/13
(51) A46B 5/02	(47) 07.06.2023	(11) EP3551009
B29C 45/14	(87) EP2017078537	(21) EP17828785.0
B29C 45/16	17.05.2018	(47) 07.06.2023
(11) EP3782508	(22) 08.11.2017	(87) IB2017057831
(21) EP20196789.0	(54) ORAL CLEANING DEVICE FOR	21.06.2018
(47) 07.06.2023	DETERMINING COMPLIANCE WITH A	(22) 12.12.2017
(22) 23.12.2014	GUIDED CLEANING SESSION	(54) FOLDABLE DISPLAY RACK WITH
(54) ORAL CARE IMPLEMENT HAVING	(73) Koninklijke Philips N.V.	HINGED AND TELESCOPIC SIDE
MULTI-COMPONENT HANDLE	(72) MASCULO, Felipe, Maia	WALLS AND METHOD FOR THE
(73) Colgate-Palmolive Company	KOOIJMAN, Gerben	BUILD-UP THEREOF
(72) JIMENEZ, Eduardo J.	HARDEMAN, Toon	(73) Pure Value Europe NV
MOSKOVICH, Robert	JEANNE, Vincent	Pure Value Netherlands BV
WAGUESPACK, Kenneth	(31) 201662420230 P	(72) MARIVOET, Geert
KIRCHHOFER, Roger	(32) 10.11.2016	VAN SCHIJNDEL, Bram
BIERI, Kurt	(33) United States of America	DEFAUW, Sandy
STORZ, Joachim	(51) A46D 1/00	DE PIERO, Francesco
WECHSLER, Andreas	(11) EP3487358	(31) 201605916
(51) A46B 15/00	(21) EP17764493.7	2017976
(11) EP3393299	(47) 07.06.2023	(32) 12.12.2016
(21) EP16822539.9	(87) US2017048803	12.12.2016
(47) 07.06.2023	08.03.2018	(33) Belgium
(87) IB2016057524	(22) 28.08.2017	Netherlands
29.06.2017	(54) ORAL CARE IMPLEMENT AND	(51) A47B 47/04
(22) 12.12.2016	FILAMENT FOR THE SAME	A47B 96/20
(54) SYSTEMS, METHODS, AND DEVICES	(73) Colgate-Palmolive Company	(11) EP3038495
FOR PROVIDING GUIDANCE AND	(72) NELSON, Stephen	(21) EP13759159.0
FEEDBACK BASED ON LOCATION	SORRENTINO, Alan	(47) 07.06.2023
AND PERFORMANCE	(31) 201615250497	(87) EP2013068000
(73) Koninklijke Philips N.V.	(32) 29.08.2016	05.03.2015
(72) HARDEMAN, Toon	(33) United States of America	(22) 30.08.2013
VLIEGENTHART, Teunis	(51) A46D 3/08	(54) FURNITURE MODULE
DEN HAMER, Arjen	A46D 3/04	(73) IKEA Supply AG
JEANNE, Vincent	(11) EP4003094	(72) ANDERSSON, Benny
OBREBSKI, Jan Wojciech	(21) EP20753901.6	(51) A47B 47/04
BORISENKO, Yekaterina	(47) 07.06.2023	F16B 12/24
EDWARDS, Martin John	(87) EP2020071548	F16B 12/26
(31) 201562270653 P	04.02.2021	(11) EP3955772
(32) 22.12.2015	(22) 30.07.2020	(21) EP20716156.3
(33) United States of America	(54) BRISTLE CARRIER CLAMPING	(47) 07.06.2023
(51) A46B 15/00	HOLDER	(87) IB2020053496
A61C 17/16	(73) GB Boucherie NV	22.10.2020
A61B 5/00	(72) BOUCHERIE, Bart Gerard	(22) 14.04.2020
A61C 17/22	VANDENBUSSCHE, Henk	(54) A DEVICE FOR SUPPORTING A
G09F 23/00	(31) 102019120756	REMOVABLE PANEL WITH RESPECT
(11) EP3197316	(32) 31.07.2019	TO A WALL OF AN ARTICLE OF
(21) EP15781429.4	(33) Germany	FURNITURE AND A METHOD FOR
(47) 07.06.2023	(51) A47B 9/08	MOUNTING AND DEMOUNTING A
(87) IB2015057156	F16B 7/14	REMOVABLE PANEL TRANSVERSALLY
31.03.2016	A47B 13/02	TO A WALL OF AN ARTICLE OF
(22) 17.09.2015	A47B 3/08	FURNITURE
(54) SYSTEMS AND METHODS FOR	(11) EP3714734	(73) CAR S.r.l.
PROVIDING MOTIVATION FEEDBACK	(21) EP20165711.1	(72) ROVOLETTO, Stefano
TO A USER BEFORE BRUSHING	(47) 07.06.2023	(31) 201900005830
(73) Koninklijke Philips N.V.	(22) 25.03.2020	(32) 16.04.2019
(72) VAN GOOL, Edgar Martinus	(54) HEIGHT ADJUSTABLE TABLE	(33) Italy

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(22) 22.01.2019	PANOS, Alexander	(72) BAUR, Philipp
(54) LID FOR A HYBRID PRESSURE	BUGNARD, Guillaume	(31) 19188196
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A47J 31/42	(87) PT2020050007	CONDUIT
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A47J 31/60	(22) 06.02.2020	(72) EPIS, Mauro
G07F 13/06	(54) SYSTEM FOR PREPARING AROMATIC	(31) 201900016400
B67D 1/08	BEVERAGES, SUCH AS TEA	(32) 16.09.2019
A47J 31/52	(73) Novadelta - Comércio e Indústria de	(33) Italy
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(54) BEVERAGE-MANUFACTURING	(51) A47J 31/38	(22) 22.01.2020
DEVICE	A47J 31/54	(54) ULTRASONIC CLEANER DEVICE FOR
(73) Daito Giken, Inc.	(11) EP3695759	AN ESPRESSO COFFEE MACHINE
(72) KIHARA, Kaishun	(21) EP20157186.6	AND ESPRESSO COFFEE MACHINE
TORIZU, Taisuke	(47) 07.06.2023	INCORPORATING SUCH A CLEANER
(31) 2017152703	(22) 13.02.2020	DEVICE
(32) 07.08.2017	(54) DEVICE FOR THE PREPARATION OF A	(73) La Marzocco S.r.l.
(33) Japan	HOT BEVERAGE	(72) GUGLIELMINO, Scott
(51) A47J 31/06	(73) Caffè A Mano GmbH	FORBING, Aric
A47J 31/46	(72) Widmer, Markus	(31) 201900000913
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(54) COFFEE MACHINE, CLOSING AND/	(11) EP3878323	B01F 27/1123
OR TAMPING SYSTEM AND VALVE	(21) EP19835557.0	B01F 27/808
ARRANGEMENT SUITABLE FOR USE	(47) 07.06.2023	(11) EP3912526
IN A COFFEE MACHINE	(87) PT2019050044	(21) EP21174557.5
(73) Koninklijke Philips N.V.	27.05.2021	(47) 07.06.2023
(72) LOOPSTRA, Kasper, Roelof	(22) 21.11.2019	(22) 18.05.2021
TIBBE, Tim, Gerard	(54) MACHINE FOR PREPARING	(54) BLADE FOR STIRRING FOOD FOR
KLOKMAN, Pieter, Herman	JUICE FROM A FROZEN FOOD	A COOKING APPLIANCE AND
ZWART, Bart-Jan	PREPARATION	CORRESPONDING APPLIANCE
BAKKER-VAN DER KAMP, Gertrude,	(73) IFGOOD FZ-LLC	(73) SEB S.A.
Riëtte	(72) ALVES FINO, João José	(72) PETITALLOT, Johann
SINNEMA, Anke, Gerda	(51) A47J 31/44	BIZARD, Jean-Claude
PANDA, Tara, Prasad	(11) EP4014802	(31) 2005050
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(51) A47J 31/06	(54) A MIXING APPARATUS FOR, FOR	A47J 36/32
B65D 85/804	EXAMPLE, CREATING FROTHED MILK	(11) EP4064946
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(54) BOTTLE WARMER	(21) EP16762966.6	PECTEAU, Michael, T.
(73) Koninklijke Philips N.V.	(47) 07.06.2023	FINNIE, Jason, D.
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A47J 27/62	Wassermann, Christian	A47J 37/00
G06F 8/36	(72) Kaiser, Thomas	A21B 2/00
G09B 5/02	Wassermann, Christian	F24C 7/04
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(54) SYSTEM AND METHOD FOR RECIPE	(47) 07.06.2023	(11) EP3430955
PROGRAM GENERATION TO	(22) 26.03.2019	(21) EP18193353.2
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FUNCTION COOKING APPARATUSES	(73) Isogona, S.L.	(22) 05.03.2010
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(72) Könnings, Maximilian	(31) 201830941 U	WAVELENGTH SPECIFIC COOKING,
Resende, Maria Jose	(32) 19.06.2018	CURING, FOOD PREPARATION AND
Hackert, Georg	(33) Spain	PROCESSING
Ganns, Julius	(51) A47J 37/12	(73) Pressco Technology, Inc.
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(54) COOKING APPLIANCE PROVIDED	(54) DEEP-FRYER UNIT	(33) United States of America
WITH A DEVICE FOR ENGAGEMENT	(73) FFM Projekt AG	(51) A47J 42/04
AND DISENGAGEMENT OF A	(72) BARANDUN, Urs	A47J 42/40
KITCHEN ACCESSORY PLACED IN A	BINDER, Cyrill	(11) EP3346893
VESSEL OF THE DEVICE	(31) 10662017	(21) EP16843773.9
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(73) SEB S.A.	(72) GAULARD, Herve	(21) EP20727713.8
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SEURAT, Frédéric	(31) 1453236	25.02.2021
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(72) Broe, Jesper Schrøder	(21) EP19186087.3	(72) Budke, Mathis
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(54) DISPENSING APPARATUS	(73) MattPro GmbH	TYLER Jake
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AUROUX, Michel	(21) EP22167732.1	HUGHES, Robert, D., IV
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OCCLUSIONS IN BODY LUMENS	INTRAVASCULAR TREATMENT AND	A61M 25/04
(73) Shockwave Medical, Inc.	METHOD OF MANUFACTURING THE	A61M 37/00
(72) NGUYEN, Hoa, D.	SAME	A61B 17/34
SAAIBI, Camilo, Perez	(73) Acandis GmbH	(11) EP3600087
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(87) US2017061083	A61B 17/22	BARON, Scott J.
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(54) HEAT SINKS FOR CATHETERS, AND	(47) 07.06.2023	SALINAS, Sergio
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A61M 29/02	(72) CASEY, Brendan	A61B 17/00
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(33) United States of America	CLOSURE SYSTEM	OF A VERESS NEEDLE WITH A
(51) A61B 17/29	(73) Cilag GmbH International	TAPERED VIDEOSCOPE FOR
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(11) EP3809991	BECKMAN, Andrew T.	(73) Enable, Inc.
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(87) IB2019055161	(31) 202017077110	KOTSEROGLOU, Theofilos
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(22) 19.06.2019	(33) United States of America	(31) 201514935325
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(73) Ethicon LLC	(47) 07.06.2023	A61B 17/221
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(54) SURGICAL ULTRASONIC	(32) 29.05.2019	APPARATUS
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COOLING FEATURES	(51) A61B 17/322	(72) LAMSON, Theodore
(73) Covidien LP	A61B 17/32	BENDER, Theodore
(72) HONEGGER, Allen	A61B 17/34	CUTTS, Jolene
VAN TOL, David, J.	A61B 17/00	GEORGE, Robert
LYONS, Michael, B	(11) EP3405124	KIYOI, Jennifer
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(33) United States of America	(87) SE2017050061	RAO, Maheshwara
(51) A61B 17/32	27.07.2017	ZALER, Christopher
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(22) 21.05.2018	Junker, Johan	A61B 18/14
(54) COMBINATION ULTRASONIC AND	Aili, Daniel	A61B 17/22
ELECTROSURGICAL INSTRUMENT	Thorfinn, Johan	A61B 18/18
HAVING CURVED ULTRASONIC	Elmasry, Hussein Moustafa	A61B 18/00
BLADE	Harris, James	A61B 17/3207
(73) Ethicon LLC	(72) Skog, Märten	A61B 17/32
(72) ESTERA, Frederick L.	Sivlér, Petter	A61B 90/00
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(51) A61B 17/34	(54) DEFORMABLE BODY AND COMBINATION OF SUCH DEFORMABLE BODY AND A SURGICAL SCREW ELEMENT	(73) Cryptych Pty Ltd
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(47) 07.06.2023	A61B 18/00	LEHMANN, Bjoern, Dr.
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A61M 25/00	(22) 04.01.2017	17.02.2012
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A61B 18/00	AND FORCE SENSOR	United States of America
A61B 34/20	(73) Biosense Webster (Israel) Ltd.	(51) A61B 18/14
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IMPROVED ABLATION TIP	(21) EP14174792.3	(72) EATON-EVANS, Jimmy
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(72) RAO, Anand R.	(54) Catheter with helical end section for	BOUCHIER-HAYES, Jonathan
NGUYEN, Thanh	vessel ablation	BRUZZI, Mark
DATTA, Keshava	(73) Biosense Webster (Israel) Ltd.	(31) 17185646
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(33) United States of America	Ditter, Tom A.	(51) A61B 18/18
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A61B 18/08	Grunewald, Debby	(21) EP20722564.0
A61B 17/221	Jimenez, Eduardo	(47) 07.06.2023
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(22) 27.07.2018	United States of America	TAPLIN, William
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DEVICE	A61N 1/05	ULLRICH, George
(73) Edwards Lifesciences Corporation	A61N 1/04	WEBB, David
(72) BAK-BOYCHUK, Gregory	A61N 1/36	(31) 201906009
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(47) 07.06.2023	(47) 07.06.2023	APPARATUS FOR AN
(22) 22.05.2019	(87) EP2019067168	ELECTROSURGICAL INSTRUMENT
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BERGER, Abraham	BURN, Patrick	(51) A61B 18/18
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CYCLOPENT-1-ENE-1-	Leibniz-Institut für Pflanzenbiochemie	AKAZAWA, Mitsuji
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WITH A PENTAAZA MACROCYCLIC	STEROL DERIVATIVES FOR	A61K 9/00
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A61K 31/4196	A61P 27/02	YEO, Jun-Ho
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A61P 43/00	A61K 45/06	LEE, Kunik
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CONTAINING SIALYLACTOSE	A61K 38/44	COMPOSITIONS FOR REDUCING
OR SALT THEREOF AS ACTIVE	A61K 31/05	THE RISKS OF EXPOSURE TO AIR
INGREDIENT	A61K 35/744	POLLUTANTS
(73) Cupione Co., Ltd.	A61K 45/00	(73) M et P Pharma AG
(72) YANG, Siyoung	A61P 43/00	(72) MATTERN, Claudia
JEON, Jimin	A61K 45/06	(31) 201762517369 P
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A61K 9/00	A61K 47/12	(73) Eupharma Pty Ltd
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(73) Jiangsu Province Institute of Traditional	TRIVALENT CHROMIUM, AND OCULAR	SUCH PEPTIDES BOUND TO MHC
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CAO, Meng	Yazbeck, Rima	Adaptimmune Limited
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(73) Amorepacific Corporation	SAME	(72) SCHREIBER, Taylor
(72) PARK, Chan Woong	(73) Plant Advanced Technologies Pat	FROMM, George
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(54) DEVICE AND KIT FOR DISPENSING A NEBULIZED SUBSTANCE	(31) 2017902539	(54) ZONE HEATING FOR RESPIRATORY CIRCUITS
(73) 3A Health Care S.R.L.	(32) 30.06.2017	(73) Fisher & Paykel Healthcare Limited
(72) ABATE, Simone	(33) Australia	(72) TONKIN, Paul James
FRACCAROLI, Davide	(51) A61M 16/00	BUSWELL, Matthew Liam
(31) 202000009088	(11) EP3801718	CUDDY, Helen
(32) 27.04.2020	(21) EP19814201.0	EDWARDS, Thomas James
(33) Italy	(47) 07.06.2023	MILLAR, Gavin Walsh
(51) A61M 15/00	(87) IB2019054578	OOSTHUYSEN, Helgard
A61M 16/00	12.12.2019	VAN SCHALKWYK, Andre
A24F 40/485	(22) 03.06.2019	KWAN, Ian Lee Wai
A24F 40/50	(54) POSITIVE AIR PRESSURE THERAPY DEVICE	SI, Ping
A24F 40/60	(73) Trudell Medical International	ALNASHI, Sinaa
(11) EP3579902	(72) MEYER, Adam	ORCHARD, Kieran Michael
(21) EP18747530.6	RIFANI, Andreas	AL-TIAY, Ibrahim
(47) 07.06.2023	KILROY, Luke	STOKS, Elmo Benson
(87) US2018016776	ALIZOTI, Neritan	NORTH, Charles Christopher
09.08.2018	(31) 201862680239 P	WILSON, Matthew Robert
(22) 04.02.2018	(32) 04.06.2018	(31) 201361877566 P
(54) DEVICES AND CONTROL SYSTEMS FOR INHALED DRUGS		201361877622 P
(73) Hansen, Brian		201361877784 P
(72) Hansen, Brian		

201361877736 P	LYONS, Edwin Joseph	ULLA, Sibgat
201361786141 P	MARTIN, Madeleine Bess	LU, Ming
201261726532 P	KEMPS, David Robert	(31) 201462035364 P
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13.09.2013	(33) United States of America	201462035367 P
13.09.2013	(51) A61M 16/04	201462035366 P
14.03.2013	A61B 1/24	(32) 08.08.2014
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(33) United States of America	(21) EP19890978.0	08.08.2014
United States of America	(47) 07.06.2023	08.08.2014
United States of America	(87) US2019063638	08.08.2014
United States of America	04.06.2020	(33) United States of America
United States of America	(22) 27.11.2019	United States of America
United States of America	(54) LOWER JAW AND TONGUE	United States of America
(51) A61M 16/00	THRUSTING, ENDOTRACHEAL	United States of America
F21S 10/00	TUBE AND FLEXIBLE FIBEROPTIC	United States of America
F21V 33/00	ENDOSCOPE INTUBATION ORAL	(51) A61M 16/06
H05B 47/105	AIRWAY DEVICE	A61M 16/08
(11) EP3934722	(73) Wedge Therapeutics LLC	A61M 16/16
(21) EP20725846.8	(72) SHANTHA, Totada R.	A61M 16/00
(47) 07.06.2023	WIEDEN, Robert	A61M 16/10
(87) FR2020050465	(31) 201862771855 P	(11) EP3415190
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(22) 06.03.2020	(33) United States of America	(47) 07.06.2023
(54) LUMINOUS RESPIRATORY	(51) A61M 16/04	(22) 22.12.2010
VENTILATION DEVICE	A61M 16/06	(54) AN INTERFACE
(73) Sleepinnov Technology	A61M 25/02	(73) Fisher & Paykel Healthcare Limited
(72) HUNGR, Nikolai	(11) EP3827862	(72) TATKOV, Stanislav
ARGOD, Jérôme	(21) EP21151394.0	(31) 28954409 P
LANTELME, Marc	(47) 07.06.2023	(32) 23.12.2009
GAIFFE, Nicolas	(22) 13.10.2017	(33) United States of America
(31) 1902418	(54) ENDOTRACHEAL TUBE HOLDING	(51) A61M 16/06
(32) 08.03.2019	DEVICE	A61M 16/16
(33) France	(73) Hollister Incorporated	A61M 16/00
(51) A61M 16/04	(72) JOCKEL, Mark, W.	A61M 16/08
(11) EP3620196	CZAPLEWSKI, Gregory, J.	(11) EP3738636
(21) EP19192229.3	SCALISE, Anthony	(21) EP20184447.9
(47) 07.06.2023	CHUNG, Tze, Wan	(47) 07.06.2023
(22) 19.08.2019	VISCONTI, Peter L.	(22) 13.07.2007
(54) VENTILATION APPARATUS	AUGUSTYN, Christina	(54) BREATHING ASSISTANCE
(73) Tracoe Medical GmbH	MERRYMAN, Rebecca, E.	APPARATUS
(72) Schnell, Ralf	DANG, Thai, H.	(73) Fisher & Paykel Healthcare Limited
Altenburger, Jörg	TETZLAFF, Patrick, C.	(72) MCAULEY, Alastair Edwin
(31) 102018121001	LEADINGHAM, Brian, T.	ERSTICH, Evan Stuart
(32) 28.08.2018	(31) 201762480889 P	GLEESON, Oliver
(33) Germany	201662407722 P	FREEMAN, Simon Eric
(51) A61M 16/04	(32) 03.04.2017	DAVIES, Neil Glen
(11) EP3669919	13.10.2016	SCHOENBERG, Stephen John
(21) EP19217819.2	(33) United States of America	LAW, Kaman
(47) 07.06.2023	United States of America	PRENTICE, Craig Robert
(22) 19.12.2019	(51) A61M 16/04	(31) 55110306
(54) INSERTION AID FOR	A61M 16/20	54857506
TRACHEOSTOMY CANNULAS	A61M 16/08	(32) 06.11.2006
(73) Tracoe medical GmbH	A61M 1/00	14.07.2006
(72) Schnell, Ralf	(11) EP3384950	(33) New Zealand
(31) 102018133449	(21) EP18168278.2	New Zealand
(32) 21.12.2018	(47) 07.06.2023	(51) A61M 16/08
(33) Germany	(22) 07.08.2015	A61M 16/10
(51) A61M 16/04	(54) A SUCTION CONTROL VALVE	F16L 53/38
(11) EP3827863	ASSEMBLY FOR USE IN A SUCTION	(11) EP2726133
(21) EP21153311.2	CATHETER SYSTEM	(21) EP12804642.2
(47) 07.06.2023	(73) Vyair Medical Consumables LLC	(47) 07.06.2023
(22) 14.03.2014	(72) WHITE, Dennis	(87) NZ2012000111
(54) CATHETER MOUNT WITH SUCTION	JUNG, Simon	03.01.2013
PORT	FU, Haojun	(22) 28.06.2012
(73) Fisher & Paykel Healthcare Limited	BEUCHAT, Charles Edward	(54) IMPROVED MEDICAL TUBING
(72) MILLAR, Gavin Walsh	VARGA, Christopher	(73) Fisher & Paykel Healthcare Limited

(72) SIMS, David, John	01.02.2018	06.08.2020
(31) 201161502205 P	(22) 20.07.2017	(22) 21.01.2020
(32) 28.06.2011	(54) STEERABLE MULTILUMEN CATHETER	(54) INJECTION CANNULA, ECMO SYSTEM
(33) United States of America	SHAFT	(73) ASSISTANCE PUBLIQUE, HOPITAUX
(51) A61M 16/16	(73) Cook Medical Technologies LLC	DE PARIS
A61M 16/08	(72) DILLON, Travis, E.	(72) MORDANT, Pierre
A61M 16/10	WILLIAMS, Michael Lee	(31) 1900752
A61M 16/00	KENNEDY, Kenneth, C., II	(32) 28.01.2019
(11) EP3884985	YOUNG, Ronan, T.	(33) France
(21) EP21162720.3	(31) 201662367938 P	(51) A61M 25/00
(47) 07.06.2023	(32) 28.07.2016	A61M 25/04
(22) 31.10.2007	(33) United States of America	A61M 25/10
(54) ASSISTED BREATHING UNIT	(51) A61M 25/00	A61M 27/00
(73) Fisher & Paykel Healthcare Limited	A61M 25/01	(11) EP3902590
(72) POTHARAJU, Venkata, Subbarao	(11) EP3572113	(21) EP19839669.9
STANTON, Christie, Jane	(21) EP18174049.9	(47) 07.06.2023
SALMON, Andrew	(47) 07.06.2023	(87) IB2019060923
SUN, Yi-Cheng	(22) 24.05.2018	02.07.2020
BRISCOE, Hayden	(54) URINARY CATHETER ASSEMBLY	(22) 17.12.2019
FREW, Samuel	WITH ATTACHABLE HANDLE	(54) AN IMPROVED TUBE FOR A
WORTHINGTON, Steven, John	(73) Dentsply IH AB	URETHRAL CATHETER AND
DICKINSON, Philip	(72) ANDERSIN, Per	CATHETER COMPRISING IT
HAXTON, Cameron, Jon	ERIKSSON, Karsten	(73) Pacheco dos Santos Dias, José António
(31) 56023507	SOLENIUS, Isak	(72) Pacheco dos Santos Dias, José António
864501 P	SANDBERG, Michael	(31) 2018115232
(32) 30.07.2007	(51) A61M 25/00	(32) 27.12.2018
06.11.2006	A61M 25/01	(33) Portugal
(33) New Zealand	A61B 17/00	(51) A61M 25/00
United States of America	A61M 29/00	A61M 25/06
(51) A61M 25/00	A61B 6/00	A61M 39/12
(11) EP3991774	A61M 1/00	F16L 35/00
(21) EP21205651.9	B29C 41/14	A61M 25/01
(47) 07.06.2023	A61B 17/3203	(11) EP3673943
(22) 29.10.2021	A61B 17/3207	(21) EP20158216.0
(54) CATHETER INTRODUCER	A61M 31/00	(47) 07.06.2023
(73) Biosense Webster (Israel) Ltd	A61M 39/06	(22) 06.10.2016
(72) GLINER, Vadim	B29K 27/18	(54) EXTENSION TUBING STRAIN RELIEF
SITNITSKY, Ilya	A61B 17/22	(73) Becton, Dickinson and Company
(31) 202017086156	B29K 75/00	(72) Peterson, Bart D.
(32) 30.10.2020	B29L 31/00	Burkholz, Jonathan Karl
(33) United States of America	(11) EP3419528	Bihlmaier, Bryan Fred
(51) A61M 25/00	(21) EP17757352.4	(31) 201615286212
A61B 17/00	(47) 07.06.2023	201662296385 P
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A61M 5/00	31.08.2017	201562247626 P
A61M 5/145	(22) 24.02.2017	201562247621 P
A61M 5/20	(54) ENHANCED FLEXIBILITY	201562247607 P
A61M 5/315	NEUROVASCULAR CATHETER	201562247617 P
(11) EP3362122	(73) Incept, LLC	201562247599 P
(21) EP16856078.7	(72) YANG, Yi	201562247596 P
(47) 07.06.2023	KHOSRAVI, Farhad	201562247624 P
(87) US2016056559	RIMSA, Joseph	(32) 05.10.2016
20.04.2017	YOUNG, Lisa M.	17.02.2016
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(54) SYSTEM FOR DELIVERY OF A	201662299418 P	28.10.2015
THERAPEUTIC AGENT THROUGH A	(32) 06.01.2017	28.10.2015
CATHETER	24.02.2016	28.10.2015
(73) Jayaraman, Swaminathan	(33) United States of America	28.10.2015
(72) Jayaraman, Swaminathan	United States of America	28.10.2015
(31) 201562240029 P	(51) A61M 25/00	28.10.2015
(32) 12.10.2015	A61M 25/04	28.10.2015
(33) United States of America	A61M 1/36	(33) United States of America
(51) A61M 25/00	A61M 25/01	United States of America
A61M 25/01	A61M 1/16	United States of America
(11) EP3490652	(11) EP3917604	United States of America
(21) EP17746296.7	(21) EP20701571.0	United States of America
(47) 07.06.2023	(47) 07.06.2023	United States of America
(87) US2017042989	(87) EP2020051350	United States of America

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United States of America	(31) 201161529052 P	(54) PROTECTIVE DRESSING SET FOR CATHETER
United States of America	38579810 P	(73) LKN Médical
(51) A61M 25/00	(32) 30.08.2011	(72) PHILIPPON, Didier
A61M 25/10	23.09.2010	(31) 1853470
A61M 25/01	(33) United States of America	(32) 19.04.2018
A61M 39/08	United States of America	(33) France
(11) EP2994184	(51) A61M 25/01	(51) A61M 25/02
(21) EP14829672.6	A61M 25/00	A61F 13/00
(47) 07.06.2023	(11) EP3352831	(11) EP3607990
(87) IL2014050645	(21) EP16774770.8	(21) EP19184009.9
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(22) 17.07.2014	(87) US2016052638	(22) 13.03.2015
(54) AN UNRAVELABLE CATHETER	30.03.2017	(54) OFFSET CATHETER SECUREMENT DEVICE
(73) Renalsense Ltd.	(22) 20.09.2016	(73) TIDI Products, LLC
(72) ADLER, Michael	(54) APPLICATORS FOR GRIPPING URINARY CATHETERS	(72) Kyvik, Kurt
GRINSTEIN, Mor	(73) Hollister Incorporated	Parkhurst, Arthur
MANTINBAND, Jack Yehoshua	(72) KEARNS, Barbara J.	Tait, Brian
(31) 201361856809 P	CREAVEN, Martin P.	(31) 201414209113
(32) 22.07.2013	KNAUZ, David A.	(32) 13.03.2014
(33) United States of America	MARCH, Daniel A.	(33) United States of America
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A61M 27/00	(32) 25.09.2015	A61F 13/14
(11) EP3823710	(33) United States of America	A61F 15/00
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(47) 07.06.2023	A61M 25/00	(11) EP3288628
(87) DK2019050233	A61M 25/04	(21) EP16789739.6
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(54) INTERMITTENT URINARY CATHETER ASSEMBLY	(21) EP19703205.5	10.11.2016
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(72) NIELSEN, Henrik Lindenskov	(87) RS2019000004	(54) SYSTEMS AND METHODS FOR PROTECTING UMBILICAL STUMPS
MADSEN, Marianne Lund	30.07.2020	(73) The Board of Trustees of the Leland Stanford Junior University
HANSEN, Mads Hjaelmsøe	(22) 21.01.2019	(72) DAMBKOWSKI, Carl Linden
GOGOTIC, Thomas Nesa	(54) MINIMALLY INVASIVE CATHETER	CHEHAB, Eric Fayeaz
(31) PA201870494	(73) Univerzitet u Beogradu	JOSHI, Siddhartha
(32) 20.07.2018	(72) SREMCEVIC, Bosko	PAPANEK, Julie
(33) Denmark	(51) A61M 25/01	FRITZ, Jonathan Andrew
(51) A61M 25/01	A61M 25/08	WALL, James
A61K 31/19	A61M 25/092	VENOOK, Ross Daniel
A61K 31/185	A61M 25/18	TORRES, Shivani Alexandra
A61K 9/08	A61B 5/107	SHIH, Joseph De-Chung
A61P 9/00	A61B 34/30	WOOD, Lauren So Young
A61P 1/00	A61B 34/37	(31) 201662307396 P
A61P 25/00	A61B 34/20	201562156120 P
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A61K 31/10	(87) US2016040262	United States of America
A61K 31/145	05.01.2017	(51) A61M 25/09
A61K 31/155	(22) 30.06.2016	A61M 25/00
A61K 31/216	(54) SYSTEM FOR DETECTING A POSITION OF A GUIDE CATHETER SUPPORT	A61B 50/30
A61K 31/661	(73) Corindus, Inc.	A61B 50/33
A61K 31/765	(72) KOTTENSTETTE, Nicholas	(11) EP3976157
A61K 38/17	FALB, Peter	(21) EP20739744.9
(11) EP3677261	DEIGNAN, Timothy	(47) 07.06.2023
(21) EP19209258.3	BERGMAN, Per	(87) FR2020050856
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(22) 23.09.2011	(32) 30.06.2015	(22) 22.05.2020
(54) ADMINISTRATION OF SERINE PROTEASE INHIBITORS TO THE STOMACH	(33) United States of America	(54) STORAGE DEVICE FOR A GUIDE WIRE
(73) Inflammagen	(51) A61M 25/02	(73) Chatel, Didier
The Regents of the University of California	A61F 13/00	(72) Chatel, Didier
(72) SCHMID-SCHOENBEIN, Geert	(11) EP3556422	(31) 1905538
LEE, Andrew	(21) EP19170378.4	
	(47) 07.06.2023	

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(33) France	(51) A61M 27/00	(22) 04.10.2007
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(11) EP3662962	A61M 25/00	INCLUDING A TEAR-RESISTANT
(21) EP20152833.8	(11) EP3952973	SEPTUM
(47) 07.06.2023	(21) EP20751357.3	(73) Becton, Dickinson and Company
(22) 08.03.2013	(47) 07.06.2023	(72) MCKINNON, Austin Jason
(54) MEDICAL BALLOON INCLUDING A	(87) US2020036969	YESSAYAN, Alexy T.
RADIOPAQUE WIRE FOR PRECISELY	17.12.2020	GUO, Lantao
IDENTIFYING A WORKING SURFACE	(22) 10.06.2020	OU-YANG, David
LOCATION	(54) REUSABLE URINARY CATHETER	LIU, Yongming
(73) Clearstream Technologies Limited	PRODUCTS	CHRISTENSEN, Kelly D.
(72) Wall, Sean	(73) Hollister Incorporated	HARDING, Weston F.
(31) 2008447	(72) MURRAY, Michael, G.	(31) 866822
201261608897 P	MONTES DE OCA, Horacio	829092 P
(32) 09.03.2012	INGLESE, Gary, W.	(32) 03.10.2007
09.03.2012	LEECE, Rebecca, M.	11.10.2006
(33) Netherlands	BALASKI, Darcy, R.	(33) United States of America
United States of America	CLARKE, John, T.	United States of America
(51) A61M 25/10	O'MAHONY, John, P.	(51) A61M 35/00
A61B 17/3207	SHEREMETIEV, Dmitry	A61B 90/80
A61B 17/22	GAMBLIN, Denise	(11) EP3554616
(11) EP3466477	RENEHAN, Thomas	(21) EP17801240.7
(21) EP17802634.0	MEANEY, Richard, J.	(47) 07.06.2023
(47) 07.06.2023	MCNULTY, Vivienne	(87) US2017060442
(87) JP2017018452	(31) 201962861130 P	21.06.2018
30.11.2017	(32) 13.06.2019	(22) 07.11.2017
(22) 17.05.2017	(33) United States of America	(54) ANTISEPTIC APPLICATOR
(54) BALLOON CATHETER AND METHOD	(51) A61M 29/00	(73) Becton, Dickinson and Company
FOR MANUFACTURING BALLOON	A61B 1/32	(72) SOUZA, Marcel A.
BODY	A61B 1/31	ZERDA, Adam
(73) Goodman Co., Ltd.	A61B 1/00	FERRANTI, Joanne
(72) FUJISAWA, Soichiro	A61B 1/303	WITT, Erik Kurt
IWANO, Kenshi	(11) EP3758785	(31) 201615377092
MIYAKE, Takamasa	(21) EP19761226.0	(32) 13.12.2016
OTA, Mitsuhiro	(47) 07.06.2023	(33) United States of America
OGAWA, Tomokazu	(87) US2019019920	(51) A61M 37/00
OGAWA, Keisuke	06.09.2019	A01G 7/06
(31) 2016104803	(22) 28.02.2019	A61K 8/02
(32) 26.05.2016	(54) GIRTH ADJUSTABLE DEVICE	A61K 8/11
(33) Japan	(73) Jayol, Benjamin Ernest Helois	A61K 9/00
(51) A61M 25/10	(72) Jayol, Benjamin Ernest Helois	A61Q 19/00
A61M 25/00	(31) 201816005679	(11) EP3626300
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(47) 07.06.2023	28.02.2018	(87) JP2018010912
(87) IB2020050647	(33) United States of America	27.12.2018
06.08.2020	United States of America	(22) 19.03.2018
(22) 28.01.2020	(51) A61M 31/00	(54) NEEDLE FOR DISSOLVING INTO SKIN
(54) VASCULAR CATHETER	A61H 19/00	AND NEEDLE DEVICE
(73) I-VASC S.r.l	(11) EP3082764	(73) Nangou, Norihiro
(72) SALERNO, Mario	(21) EP14872721.7	(72) Nangou, Norihiro
(31) 201900001223	(47) 07.06.2023	(31) 2017121980
(32) 28.01.2019	(87) US2014070393	(32) 22.06.2017
(33) Italy	25.06.2015	(33) Japan
(51) A61M 25/10	(22) 15.12.2014	(51) A61M 37/00
A61M 25/01	(54) DEVICE FOR INSERTING	A61M 5/00
A61M 25/00	LUBRICATING CAPSULE	A61N 1/362
(11) EP3701996	(73) Gallant, Esther	A61M 60/135
(21) EP19159998.4	(72) Gallant, Esther	A61M 60/205
(47) 07.06.2023	(31) 201314107955	A61M 60/414
(22) 28.02.2019	(32) 16.12.2013	A61M 60/419
(54) CATHETER WITH A BALLOON AND A	(33) United States of America	A61M 60/824
SEPARATE INFLATION LUMEN AND A	(51) A61M 31/00	A61M 60/857
METHOD OF ITS MANUFACTURING	A61M 39/02	A61M 60/13
(73) SMD Swiss Medical Devices AG	A61M 39/04	A61M 60/139
(72) Stöver, Michael	(11) EP3124070	A61M 60/216
Eckermann, Fabian	(21) EP16184306.5	A61M 60/295

A61M 60/825	(87) US2016041510	A61M 5/34
A61M 60/829	12.01.2017	(11) EP3427776
A61M 60/843	(22) 08.07.2016	(21) EP17763423.5
(11) EP3634528	(54) VALVE ASSEMBLY AND METHODS OF USE	(47) 07.06.2023
(21) EP18813606.3	(73) Infusion Innovations, Inc.	(87) JP2017009686
(47) 07.06.2023	(72) STROUP, David	14.09.2017
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(22) 07.06.2018	(32) 27.04.2016	(73) Terumo Kabushiki Kaisha
(54) INTRAVASCULAR FLUID MOVEMENT DEVICES, SYSTEMS, AND METHODS OF USE	08.07.2015	(72) SHIMADA Naoya
(73) Shifamed Holdings, LLC	(33) United States of America	ISHII Naoki
(72) SALAHIEH, Amr	United States of America	(31) 2016047971
ARGENTO, Claudio	(51) A61M 39/12	(32) 11.03.2016
SAUL, Tom	A61M 39/14	(33) Japan
ESCH, Brady	A61J 1/20	(51) A61M 60/113
MIXTER, Colin	A61M 39/10	A61M 60/279
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STREAM INTO CONTACT, AND USE OF	MIXTURE INJECTION MACHINE	(73) Herfeld GmbH & Co. Kg
THE DEVICE	(73) Nippon Sosey Kogyo Co., Ltd.	(72) RÜBERG, Wolfgang
(73) Starklab	(72) MORIKAWA, Norihiro	TÖLLE, Matthias
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B01F 35/21	B01F 25/53	F16D 1/02
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(72) DE FRANCESCHI, Laurent	MIXING	B01F 27/60
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UTTINGER, Walter	(72) MARSTRAND, Christian Savstrup	B01F 35/41
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C07C 253/34	B01F 27/00	SKORUPKA, Christine
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POLYMERS	B01J 37/28	Katholieke Universiteit Leuven KU
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Co. KG	B01J 35/00	(72) PEUMANS, Peter
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(72) BELOTSEKOVSKY, Jaroslav	NICOLAS, Arnaud Yannick Michel	BIOLOGICAL MATERIAL
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(51) B01L 3/00	FLUIDIC COMPONENT OF THIS TYPE	SPECIMEN ANALYSIS METHOD
G01N 1/18	(73) FDX Fluid Dynamix GmbH	(73) SYSMEX CORPORATION
G01N 1/28	(72) BOBUSCH, Bernhard	(72) Yoshimura, Kenji
G01N 1/36	KRUEGER, Oliver	Shiba, Masaki
G01N 1/06	WINTERING, Jens Hermann	(31) 2019030136
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B02C 13/282	(73) Klingmill AB	G01N 33/543
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B02C 13/282	(73) Gebrüder Busatis Gesellschaft m.b.H.	(73) Universal Bio Research Co., Ltd.
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PRODUCTIVITY OF GRINDING	(32) 29.06.2018	PARTICLES FROM A FLUID BY SAID
PLANTS	(33) France	SEPARATOR AND METHOD OF
(73) Prihoda, Helmut	(51) B02C 21/02	DISCHARGING SOLID PARTICLES
(72) Prihoda, Helmut	B07B 1/00	FROM SAID SEPARATOR
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B03C 1/033	(22) 22.08.2019	B04C 5/14
B03C 1/28	(54) CENTRIFUGAL SEPARATION SYSTEM	(11) EP3085454
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F23J 15/02	(47) 07.06.2023	B05B 1/08
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F24H 9/00	(54) CENTRIFUGAL SEPARATION SYSTEM	(21) EP17780736.9
B03C 3/36	AND METHOD OF OPERATING A	(47) 07.06.2023
B03C 3/41	CENTRIFUGAL SEPARATOR	(87) EP2017075535
B03C 3/47	(73) Alfa Laval Corporate AB	26.04.2018
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DISPENSING HEAD	IACIOFANO, Nicolino	B05B 9/08
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(54) TWO-PART NOZZLE FOR AEROSOL	(22) 26.06.2019	(54) METHOD FOR CONTROLLING AN
DIFFUSERS	(54) SERVICE TRACKING SYSTEM FOR	ELECTROSTATIC ATOMISER FOR
(73) Lindal France SAS	SPRAY BARS AND THE LIKE	LIQUIDS
(72) BODET, Hervé	(73) Baldwin Jimek AB	(73) J. Wagner GmbH
BOREL, Bernard	(72) PERSSON, Daniel	(72) BARTHELMES, Jan
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B05B 1/30	(54) ROTOR NOZZLE STRUCTURE AND	JOHNSON, Daniel R.
B05B 13/06	WATERING DEVICE	ROBB, Kevin C.
B08B 3/02	(73) Yuan Mei Corp.	GUNDERSEN, Robert J.
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DEVICE HAVING SUCH A SWITCHING	28.06.2018	24.09.2018
DEVICE	(22) 11.12.2017	(33) United States of America
(73) Ecoclean GmbH	(54) INTUITIVE WIDTH CONTROL	United States of America
(72) KLINKHAMMER, Norbert	SPRINKLER	United States of America
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(72) BERANGER, Stéphane	(87) DE2019000009	PIEDNOEL, Benoit
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(54) FLUID PRODUCT DISPENSER	(72) SCHMITT, Jens	(51) B05B 17/00
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(51) B05B 11/00	(11) EP3354353	ILLUSION
F16B 37/08	(21) EP18153435.5	(73) Royal Caribbean Cruises Ltd.
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(87) FR2020000132	FILTER WITH PLEATED SUPPORT	COOK, Zachary
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(54) FLUID PRODUCT DISPENSER	Large, James E.	(33) United States of America
(73) SHISEIDO INTERNATIONAL FRANCE	Baizel, Daniel J.	(51) B05B 17/00
(72) SIMON, Bruno	Haufe, Michael K.	H04B 5/00
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THIN STRIP COIL, AND METAL THIN	(33) United States of America	INDUCTION A PORTION OF AN
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(54) LASER RECHARGING POWDER,	MANUFACTURING APPARATUS	THERMAL CONDUCTIVITY AND HIGH
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B22F 5/00	B22F 7/00	GU, Jianfeng
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(47) 07.06.2023	(33) Japan	LOW TEMPERATURE PROCESSING
(22) 11.12.2020	(51) B22F 5/00	THEREOF
(54) LASER RECHARGING POWDER,	B22F 7/06	(73) United States Of America, As
ASSOCIATED MANUFACTURING	B22F 7/08	Represented By The Secretary Of The
METHOD AND MOULD	B22F 10/28	Army
(73) Etablissements Chpolansky	B22F 12/30	(72) DARLING, Kristopher, Allen
(72) BOURAHIMA, Fazati	B29C 64/153	GREND AHL, Scott, Martin
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C04B 35/638	(54) PROCESS FOR ADDITIVE	B33Y 40/00
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(33) Germany	B33Y 10/00	(72) Kimmich, Hubert
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(33) Germany	UNIT AND ELECTRONIC UNIT FOR	(51) B23B 51/06
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(32) 19.05.2016	TURNTABLE HAVING A ROTATABLE	WHICH CUT ON BOTH SIDES
(33) Japan	MEMBER WITH A PLURALITY OF	(73) Kohlbacher GmbH
(51) B23C 3/35	WORK SURFACES	(72) Kohlbacher, Siegfried
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(73) No Screw Ltd.	B27G 19/02	MONITORING IN CONTINUOUS
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(22) 11.09.2017	(22) 30.09.2016	(54) METHOD OF MACHINING GEARS TO
(54) ECCENTRIC CUTTING DRIVE HAVING	(54) BAND SAW BLADE HAVING A CHIP-	PRODUCE A SINUSOIDAL-PARABOLIC
A VARIABLE STROKE	SPLITTING TOOTH	HYBRID MOTION ERROR, PAIR OF
(73) Rattunde AG	(73) WIKUS-Sägenfabrik Wilhelm H.	GEARS THUS PRODUCED AND
(72) RATTUNDE, Ulrich	Kullmann GmbH & Co. KG	MACHINE FOR PERFORMING SAID
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(73) Ondaplast S.p.a.	(72) Miura, Seiji	E01B 31/12
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G02B 15/16	MITCHELL, Levi J.	B33Y 10/00
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(21) EP20191511.3	(54) METHOD AND CUTTING MACHINE	B26D 7/00
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(22) 18.08.2020	REVERSAL OF HAZARDOUS BLADE	(21) EP20214484.6
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ASSEMBLY USING THE SAME	DANGER	(22) 22.10.2008
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JEONG, Jong Jin	B26D 7/06	(73) Formax, Inc.
KIM, Dong Il	B65B 25/18	(72) Lindee, Scott A.
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A22B 5/16	(22) 31.07.2018	Wolcott, Thomas C.
A22C 17/12	(54) BREAD CUTTING MACHINE	Hancock, David
F16C 17/10	(73) Herman, Freek Arie	(31) 255661
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(22) 04.12.2017	B26D 7/26	(33) United States of America
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(73) Bettcher Industries, Inc.	B26F 1/20	United States of America
(72) WHITED, Jeffrey A.	B28B 7/16	(51) B26D 1/62
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G01N 1/06	(21) EP17771639.6	B26D 7/26
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(54) NOVEL HARD TISSUE SLICING KNIFE	(54) GYPSUM BOARD WITH PERFORATED	28.05.2015
(73) Shanghai Sixth People's Hospital	COVER SHEET AND SYSTEM AND	(22) 21.11.2014
(72) ZHANG, Changqing	METHOD FOR MANUFACTURING	(54) KNIFE ASSEMBLY FOR CORRUGATED
YIN, Junhui	SAME	KNIFE BLADE AND CUTTING SYSTEM
(31) 202011374995	(73) United States Gypsum Company	EQUIPPED WITH SAME
(32) 30.11.2020	(72) SHUBERT, Dale M.	(73) FAM
(33) China	SCHENCK, Ronald E.	(72) BUCKS, Brent
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E04C 2/12 | (51) B27K 3/15
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E06B 3/10
E06B 3/263
B32B 5/18
B32B 7/12
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C08L 91/00 |
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E06B 3/263
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(54) MODIFIED TIMBER |
| (54) CUTTING HEAD ASSEMBLY FOR A CENTRIFUGAL CUTTING APPARATUS AND CENTRIFUGAL APPARATUS EQUIPPED WITH SAME | (33) China
China
China | (73) Georg-August-Universität Göttingen
Archroma IP GmbH
(72) Militz, Holger
Emmerich, Lukas
Corpet, Damien Julien
Gatounes, Pauline |
| (73) FAM
(72) BUCKS, Brent | (51) B27D 5/00
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KOTTKAMP, Tim
KRÖKER, Simon
GERDWILKER, Hendrik
HEIDENREICH, Timo
HÜSENER, Stefan
PETKER, Rene
STUKE, Björn | (73) SAGA Wood Holding AS
(72) Kristensen, Lars Højmann
Borg, Finn
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Archroma IP GmbH
(72) Militz, Holger
Emmerich, Lukas
Corpet, Damien Julien
Gatounes, Pauline |
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B23D 55/04
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B23Q 15/12 | (51) B27G 13/00
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C08H 7/00
C08H 8/00
C08L 97/00
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(72) DRESSLER, Martin | (54) TRANSPARENT WOOD AND A METHOD FOR ITS PREPARATION |
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(73) Myrfield, Warren | (51) B27K 3/02
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(11) EP3098043 | (73) Cellutech AB
(72) LI, Yuanyuan
ROJAS, Ramiro |

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(54) METHOD FOR MAUFACTURING OSB	(21) EP18750231.5	(21) EP17808092.5
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(72) KALWA, Norbert	28.02.2019	31.05.2018
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(31) 15186719	LIGNOCELLULOSE MATERIALS IN THE	AND METHOD OF PRODUCING A
(32) 24.09.2015	PRESENCE OF CAPROLACTAM AND	CORE BOARD
(33) European Patent Office (EPO)	ITS OLIGOMERS	(73) Metsäliitto Osuuskunta
(51) B27N 1/00	(73) BASF SE	(72) SOKKA, Kasperi
B27N 3/00	(72) MUELLER, Christian	(31) 20165882
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(47) 07.06.2023	KRONIG, Sabrina	(51) B27N 3/18
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(54) METHOD FOR REDUCING THE	(51) B27N 3/00	B32B 21/02
EMISSIONS OF VOLATILE ORGANIC	B27N 3/02	B32B 21/06
COMPOUNDS FROM WOODEN	B32B 5/20	B32B 27/06
MATERIALS AND WOODEN MATERIAL	B32B 7/02	(11) EP3760403
(73) SWISS KRONO Tec AG	B32B 7/022	(21) EP19183998.4
(72) HASCH, Joachim	B29K 75/00	(47) 07.06.2023
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(32) 06.11.2012	B32B 21/04	SHAPED WORKPIECE
(33) European Patent Office (EPO)	B32B 21/06	(73) SWISS KRONO Tec AG
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B27N 3/00	B32B 21/14	HASCH, Prof. Dr. Joachim
B27N 3/02	B32B 27/06	Kalwa, Dr. Norbert
B27N 3/18	B32B 27/40	(51) B27N 7/00
B27N 5/00	B32B 29/00	E04C 2/24
B65D 81/09	B32B 37/10	E04F 15/18
E04B 1/74	B32B 38/00	B32B 7/12
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(51) B27N 1/02	(54) PROCESS FOR MANUFACTURING A	B32B 21/04
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B05B 7/32	LSP - Hamburg UG -	(47) 07.06.2023
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(47) 07.06.2023	HAILER, Oliver	A SHEET ON A COMPOSITE WOOD
(87) EP2020050502	NEUMANN, Sebastian	BOARD
20.08.2020	NEUBAUER, Gerald	(73) SWISS KRONO Tec AG
(22) 10.01.2020	HELMRICH, Lutz	(72) BRAUN, Roger
(54) METHOD FOR APPLYING GLUE TO	(31) 102017108078	(51) B28B 1/00
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(73) Siempelkamp Maschinen- und	(33) Germany	B28B 19/00
Anlagenbau GmbH	(51) B27N 3/04	B33Y 40/20
(72) BERNS, Jochem	B27N 7/00	(11) EP4035857
AENGENVOORT, Dieter	B27D 1/04	(21) EP22150502.7

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(22) 07.01.2022	(51) B28B 1/50	MOULD CONTAINER PRESS
(54) METHOD FOR THE PRODUCTION	B28B 3/20	COMPRISING SUCH A MOULD
OF REINFORCED 3D PRINTED	B28C 3/00	CONTAINER PART
CONCRETE OR MORTAR-BASED	B28C 5/08	(73) Beheermaatschappij De Boer Nijmegen
OBJECTS	C04B 35/04	B.V.
(73) Baunit Beteiligungen GmbH	C04B 35/10	(72) van den Boogaard, Martijn Maria
(72) Artner, Eduard	C04B 35/14	(31) 2026214
Weißmann, Peter	C04B 35/185	(32) 05.08.2020
Wallner, Christoph	C04B 35/195	(33) Netherlands
Balog, Oliver	C04B 35/48	(51) B28B 7/00
Gutmann, Martin	C04B 35/565	B28B 15/00
Schipfer-Dohr, Katja	C04B 38/10	B28B 17/00
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(51) B28B 1/00	(87) GB2015052014	(21) EP16750888.6
B44C 3/12	21.01.2016	(47) 07.06.2023
B44C 5/04	(22) 13.07.2015	(87) FR2016051575
B28D 1/22	(54) METHOD OF FORMING A CERAMIC	29.12.2016
(11) EP3812114	PRODUCT	(22) 27.06.2016
(21) EP19382924.9	(73) Mantec Technical Ceramics Limited	(54) FACILITY INCLUDING A DEVICE FOR
(47) 07.06.2023	(72) CLARK, Andrew Christopher	REAL-TIME MONITORING OF THE
(22) 24.10.2019	SAUNDERS, Stewart	OPERATION OF A VIBRATING PRESS
(54) CUTTABLE CLADDING PANEL WITH	(31) 201412683	PRODUCING CONCRETE PRODUCTS
A MATCHING PATTERN, USE AND	(32) 17.07.2014	FOR IMMEDIATE MOLD RELEASE
MANUFACTURING METHOD THEREOF	(33) United Kingdom	(73) Centre d'Etudes et de Recherches de
(73) COMPAC CORPORATE, S.L.	(51) B28B 5/08	l'Industrie du Béton
(72) SANCHIS BRINES, Francisco	B28B 13/02	(72) MEHIRI, Kais
del Saz Salazar, Arturo	B28B 17/00	TEMPETE, Nicolas
(51) B28B 1/00	B30B 11/10	DEHAUDT, Sylvain
E04B 1/35	B30B 15/30	(31) 1555959
E04G 21/04	(11) EP3718719	(32) 26.06.2015
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(21) EP18712979.6	(54) PLATE PRODUCTION FACILITY	(21) EP14714571.8
(47) 07.06.2023	WITH HEIGHT-ADJUSTABLE DOSING	(47) 07.06.2023
(87) FR2018050542	DEVICE	(87) AT2014000046
13.09.2018	(73) SR-Schindler Maschinen - Anlagetechnik	18.09.2014
(22) 08.03.2018	GmbH	(22) 11.03.2014
(54) 3D CONCRETE PRINTER	(72) Robert, Stöcker	(54) METHOD FOR PRODUCING A FLAT
(73) Université Clermont Auvergne	(31) 102019108333	ELEMENT WITH A SURFACE WHICH
(72) GODI, Gaël	(32) 29.03.2019	DEVIATES FROM A FLAT SURFACE
PHELIPPE, Laurent	(33) Germany	(73) HENRIKSEN, Thomas
AMZIANE, Sofiane	(51) B28B 7/00	(72) HENRIKSEN, Thomas
(31) 1751938	B28B 5/08	JEPSEN, Christian Raun
(32) 09.03.2017	B28B 1/087	(31) 1942013
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B28B 3/22	(21) EP20167207.8	(51) B28B 7/34
B28B 11/08	(47) 07.06.2023	B28B 7/00
B28B 23/00	(22) 31.03.2020	(11) EP3877126
E04B 5/04	(54) PLATE PRODUCTION SYSTEM WITH	(21) EP19817119.1
E04B 5/48	VIBRATING DEVICE	(47) 07.06.2023
E04C 2/04	(73) SR-Schindler Maschinen - Anlagetechnik	(87) AT2019060373
E04C 2/52	GmbH	14.05.2020
(11) EP3695942	(72) Stöcker, Robert	(22) 05.11.2019
(21) EP20152331.3	(31) 102019108840	(54) METHOD FOR PRODUCING PRECAST
(47) 07.06.2023	(32) 04.04.2019	CONCRETE COMPONENTS WITH THE
(22) 17.01.2020	(33) Germany	AID OF A CASTING MOULD
(54) METHOD FOR MANUFACTURING	(51) B28B 7/00	(73) Filzmoser, Franz
PREFABRICATED CONCRETE	B28B 7/10	(72) WIMMER, Gerold
PRODUCTS	B28B 13/06	FILZMOSE, Franz
(73) Elematic Oyj	(11) EP3950248	(31) 509502018
(72) KANKKUNEN, Heikki	(21) EP21189662.6	(32) 06.11.2018
(31) 20195104	(47) 07.06.2023	(33) Austria
(32) 12.02.2019	(22) 04.08.2021	(51) B28B 15/00

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B28B 21/04	27.08.2020	ARTMEIER, Wolfgang
(11) EP2900441	(22) 19.02.2020	(31) 102018008035
(21) EP13756473.8	(54) RESINING PLANT FOR SLABS OF	102017009776
(47) 07.06.2023	STONE MATERIAL AND METHOD	(32) 11.10.2018
(87) EP2013068149	FOR RESINING SLABS OF STONE	20.10.2017
03.04.2014	MATERIAL	(33) Germany
(22) 03.09.2013	(73) Prometec S.r.l.	Germany
(54) SYSTEM AND METHOD FOR	(72) NOE', Alessio	(51) B29B 7/74
PRODUCING TUBULAR CONCRETE	(31) 201900002483	B29B 7/76
PRODUCTS	(32) 20.02.2019	B29C 67/24
(73) Schlüsselbauer, Johann	(33) Italy	B29C 44/34
Schlüsselbauer, Ulrich	(51) B28D 1/22	B29B 7/80
(72) SCHLÜSSELBAUER, Johann	B28D 7/04	(11) EP3784379
SCHLÜSSELBAUER, Ulrich	F16B 2/08	(21) EP19719324.6
(31) 102012217324	F16B 2/14	(47) 07.06.2023
(32) 25.09.2012	F16B 21/12	(87) EP2019060769
(33) Germany	(11) EP3272487	31.10.2019
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B28C 7/16	(47) 07.06.2023	(54) APPARATUS AND METHOD FOR
B28B 1/14	(87) ES2016070119	PRODUCING AND DISPENSING A
B28B 13/02	29.09.2016	REACTION MIXTURE
B28C 5/12	(22) 24.02.2016	(73) Soudal
B28C 5/16	(54) REMOVABLE RULER FOR MANUAL	(72) VERBANCK, Karel
C04B 40/00	CERAMIC CUTTERS	SICHIEIN, Lieven
B01F 33/70	(73) Germans Boada, S.A.	VANDERVELDEN, Jurgen
(11) EP3402641	(72) SOLER BALCELLS, Jordi	TRIMBOS, Yvo, F, H
(21) EP17700401.7	(31) 201500224	BOEYKENS, Ivan
(47) 07.06.2023	(32) 20.03.2015	LANNOO, Bart
(87) EP2017050433	(33) Spain	(31) 201805279
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(73) Greiner Extrusion Group GmbH	(32) 18.04.2011	(73) Sidel Participations
(72) WEIERMAYER, Leopold	(33) Germany	(72) DERRIEN, Mikael
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(22) 19.07.2019	AND EXTRUSION INSTALLATION	PREFORMS PROVIDED WITH A
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EXPANDABLE SHEATH	PRODUCT	TURNTABLES
(73) Edwards Lifesciences Corporation	(73) Delfingen FR-Anteuil S.A.	(73) Sidel Participations
(72) BULMAN, Erik	(72) RAUSCH, Hubert	(72) FEVRE, Sébastien
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 BOHLE, Thomas
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 (72) KÜNZ, Johann
 BOHLE, Thomas
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 (73) Kronen AG
 (72) Forsthoewel, Jochen
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 (73) PACCOR Packaging GmbH
 (72) SCHÜTTE, Andreas
 RULAND, Helmut
 LORENZ, Nicolas
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(22) 16.08.2018	(51) B29C 64/112	OF THREE-DIMENSIONAL (3D)
(54) EDGE MODIFICATION METHOD AND	B29C 64/245	STRUCTURES
APPARATUS	B29D 11/00	(73) Cubicure GmbH
(73) La Traviata Limited	B33Y 10/00	(72) GMEINER, Robert
(72) SUCH, Duncan Karl	B33Y 30/00	FÖRSTER-ROMSWINCKEL, Thomas
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B32B 37/08	DIMENSIONAL STRUCTURE AND 3-D	(33) United States of America
B65B 9/04	DUPLEX PRINTER THEREOF	(51) B29C 64/124
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(54) SEAL COUNTER MEMBER ASSEMBLY,	B29C 64/241	(11) EP3774285
SEALING DEVICE WITH A SEAL	B29C 64/245	(21) EP19720194.0
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AND DEVICE FOR MANUFACTURING	B29C 64/336	(87) NL2019050209
BLISTER PACKS WITH A SEALING	B33Y 10/00	17.10.2019
DEVICE	B33Y 30/00	(22) 09.04.2019
(73) Körber Pharma Packaging GmbH	A61F 5/02	(54) METHOD OF APPARATUS FOR
(72) Sorge, Paul	(11) EP3750687	FORMING AN OBJECT BY MEANS OF
Kohlhagen, Axel	(21) EP20179270.2	ADDITIVE MANUFACTURING
(51) B29C 63/02	(47) 07.06.2023	(73) Nederlandse Organisatie voor toegepast-
B29C 63/00	(22) 10.06.2020	natuurwetenschappelijk Onderzoek TNO
B29L 31/00	(54) MACHINE FOR 3D PRINTING	(72) BRUNING, Fabien Bernard Jacques
(11) EP3580040	WITH ROTARY SUPPORT AND	MAALDERINK, Herman Hendrikus
(21) EP17729004.6	MANUFACTURING METHOD USING	GERMS, Wijnand Christiaan
(47) 07.06.2023	SAME	(31) 18166297
(87) EP2017000208	(73) SEGULA ENGINEERING	(32) 09.04.2018
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(54) INDUSTRIAL MACHINE FOR	(31) 1906146	B29C 64/386
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OR PERMANENT PROTECTION FILMS	(33) France	B22F 10/80
ON FLAT SURFACES	(51) B29C 64/118	B33Y 10/00
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B29C 64/153	(31) 201810113662	(54) METHOD AND DEVICE FOR JOINING A
B29C 64/314	(32) 05.02.2018	NUMBER OF MATERIAL BOARDS
B29C 64/386	(33) China	(73) Robert Bürkle GmbH
B01L 1/04	(51) B29C 65/06	(72) RICKEL, Kurt
B29C 64/25	(11) EP3984723	SASSMANNSHAUSEN, Jan
B33Y 50/00	(21) EP20201773.7	MANCE, Oliver
C12M 1/12	(47) 07.06.2023	KOCH, Thorsten
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(21) EP20740062.3	(54) OSCILLATING HEAD OF A VIBRATION	(32) 22.02.2017
(47) 07.06.2023	WELDING DEVICE, A FRAME OF A	(33) Germany
(87) FR2020050854	VIBRATION WELDING DEVICE, A	(51) B29C 65/48
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(22) 22.05.2020	WELL AS A RETROFIT-KIT AND A	F16L 47/03
(54) INSTALLATION FOR THE THREE-	RETROFITTING METHOD	B29C 65/36
DIMENSIONAL PRINTING OF A	(73) Branson Ultraschall Niederlassung der	B29L 23/00
MEDICAL DEVICE	Emerson Technologies GmbH & Co. oHG	B29K 101/12
(73) Med in Town	(72) MOTOVSKY, Michal	(11) EP3529055
(72) PRECHEUR, Jérôme	(51) B29C 65/08	(21) EP17791033.8
(31) 1906770	B29D 23/20	(47) 07.06.2023
(32) 24.06.2019	B29L 23/20	(87) EP2017076888
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B33Y 40/00	(87) IB2017056466	OBJECTS WITH ELECTRICALLY
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B33Y 10/00	(54) SONOTRODE AND ANVIL FOR	(72) RAMETSTEINER, Karl
B22F 10/20	ULTRASONIC WELDING OF PLASTICS,	HUNZIKER, Urs
B22F 12/00	METHOD FOR PRODUCING A	(31) 102016120037
B22F 3/105	PLASTIC CONTAINER	(32) 20.10.2016
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B23Q 7/14	(72) DE CUYPER, Dirk	(51) B29C 65/54
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B30B 15/26	(72) BURSTRÖM, Per	(72) DREES, Reinhold
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(32) 19.06.2015	(54) METHOD FOR CONTINUOUS PRODUCTION OF TABLETS, TABLETTING SYSTEM FOR CARRYING OUT THE METHOD, AND USE OF THE TABLETTING SYSTEM FOR THE PRODUCTION OF TABLETS OF AT LEAST TWO INGREDIENTS CONTAINING PARTICLES WITH A SIGNIFICANT DIFFERENCE IN PARTICLE SIZE	(21) EP19813470.2
(33) Germany	(73) GEA Process Engineering nv	(47) 07.06.2023
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F15B 15/20	(51) B30B 11/08	(54) SET OF PRESS CUSHION AND PRESSING PLATE AND METHOD FOR PRODUCING A PRESS CUSHION
F15B 15/22	B30B 15/32	(73) Hueck Rheinische GmbH
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(72) Roither, Philipp	(72) PALAYER, Sébastien	B30B 15/18
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B30B 15/28	B21D 37/14	(73) Voith Turbo S.r.l.
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(73) Troppmann, Hubert		
(72) Troppmann, Hubert		

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(22) 13.08.2019	(72) Chin, Kyun Jang	B32B 27/30
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B29C 65/02	(54) DECORATED LAMINATED FILM, AND BAG-SHAPED CONTAINER AND SEALING MATERIAL HAVING DECORATED LAMINATED FILM	08.06.2017
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B29L 23/00	(72) YASUUMI, Takahiro	(73) Cytec Industries Inc.
B29K 23/00	ISHIZAKA, Koichi	(72) SANG, Junjie, Jeffrey
B29K 27/00	OTANI, Yoshihiro	KOHLI, Dalip, Kumar
B29K 33/20	MORITA, Yosuke	MULLERY, Kevin, R.
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(54) MULTILAYERED PIPES, METHOD OF PRODUCING THE SAME AND METHOD OF WELDING TWO MULTILAYERED PIPES	B32B 5/22	B32B 5/26
(73) Uponor Infra Oy	B32B 5/24	B32B 5/28
(72) MERO, Hannes	B32B 5/26	B29D 99/00
ANÄS, Tommy	B32B 7/12	B32B 27/04
ULMANEN, Harri	B32B 9/02	B32B 37/10
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15.06.2017	(47) 07.06.2023	(54) LIGHTWEIGHT STONE PRODUCT
(22) 30.11.2016	(22) 24.06.2020	(73) Schiefergruben Magog GmbH & Co. KG
(54) COMPOSITE GRID STRUCTURE	(54) COMPOSITE MEMBRANE AND	(72) GUNTERMANN, Georg
(73) ATG IP B.V.	METHOD FOR PRODUCING A	<hr/>
(72) PAVLOV, Leonid	COMPOSITE MEMBRANE	(51) B32B 9/00
TE KLOEZE, Ivar	(73) Sefar AG	B32B 9/04
SMEETS, Bart Jozef Robbert	(72) HOSSAIN, Mohammad Mokbul	B32B 27/40
SIMONIAN, Sahak Menzo	ELLENBERGER, Christoph	B32B 27/42
(31) 2015927	CAMANI, Matteo	B32B 33/00
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CONTAINER, WITH A POLYMER	(72) BALLOCCHI, Paolo	(87) SE2018050933
BARRIER AND MANUFACTURING	JENKINS, Philip	21.03.2019
METHOD THEREOF	HAMERTON, Ian	(22) 14.09.2018
(73) Resilux	SILVA, Ravi	(54) A HYBRID IONIC GRAPHENE
(72) DE CUYPER, Dirk	POZEGIC, Thomas	NANOCOMPOSITE WITH LAYERED
DIERICKX, William	(31) 201421827	STRUCTURE
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VERLINDE, Dirk	(33) United Kingdom	(72) TAHER, Mamoun
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E04F 15/20	B32B 25/04	B32B 27/30
E04F 15/10	B32B 25/14	B32B 27/32
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(22) 12.08.2019	JUVONEN, Marja	(54) MULTILAYER SHEETS, METHODS
(54) SOUND-INSULATING FLOORING	TORNIAINEN, Esa	OF MANUFACTURE, AND ARTICLES
MATERIAL	HÄGGBLOM, Martin	FORMED THEREFROM
(73) Dongshin Polymer Co., Ltd.	MUSTONEN, Tuomas	(73) SHPP Global Technologies B.V.
Shinko Kasei Co., Ltd.	(31) 20176206	(72) SONG, Shijie
(72) OH, Dong Jin	(32) 31.12.2017	ZHOU, Yuan
(31) 20180102749	(33) Finland	CHEN, Zhe
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(73) Saint-Gobain Glass France	Dr. Kalwa, Norbert	(51) B32B 27/08
(72) COMPOINT, François	(51) B32B 27/08	B32B 27/22
DIGUET, Antoine	B32B 7/02	B32B 27/30
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(47) 07.06.2023	MANUFACTURING METHOD	(87) US2015063975
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(54) METHOD AND APPARATUS FOR	(73) LG Chem, Ltd.	(22) 04.12.2015
LAMINATING GLASS SHEETS	(72) BYUN, Jin Seok	(54) POLY(VINYL ACETAL) RESIN
(73) Glaston Finland Oy	KIM, Heon	COMPOSITIONS, LAYERS, AND
(72) Niemioja, Jussi	KIM, Boo Kyung	INTERLAYERS HAVING ENHANCED
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B32B 37/10	(51) B32B 27/08	B32B 27/36
B32B 38/06	B32B 17/10	B32B 3/04
B44C 1/24	B32B 27/30	B60K 37/04
B44C 5/04	B32B 27/36	(11) EP3999339
(11) EP3732041	B32B 27/40	(21) EP21742323.5
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(22) 29.12.2017	20.06.2019	(54) VISIBLE PART HAVING A LAYERED
(54) LAMINATE WITH SYNCHRONOUS	(22) 11.12.2018	STRUCTURE FOR AN OPERATING
STRUCTURE	(54) HEATING GLAZING MADE OF A	PART OR A DECORATIVE PANEL
(73) Xylo Technologies AG	STRUCTURAL PLASTIC MATERIAL	WITH IMPROVED PROTECTION BY
(72) Döhring, Rainer	(73) SAINT-GOBAIN GLASS FRANCE	MEANS OF A PROTECTIVE LACQUER
Piotrowski, Dawid	(72) TONDU, Thomas	COATING
(51) B32B 21/06	(31) 1771348	(73) Preh GmbH
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B32B 21/08	(51) B32B 27/08	STEINMÜLLER, Holger
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B32B 27/18	B32B 27/32	SÜNNEMANN, Martin
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D21H 27/28	(21) EP13838003.5	B32B 27/32
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D06M 15/356	20.03.2014	(11) EP3397474
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E04F 15/10	(54) GAS BARRIER LAMINATE	(47) 07.06.2023
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(33) United States of America	COMPANY, INC.	02.04.2020
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B32B 27/32	(32) 24.04.2018	MATERIAL COMPRISING A GLASS
B32B 27/00	(33) Japan	SHEET
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B01D 53/26	B32B 25/04	(72) JAMART, Juliette
B32B 1/00	B60N 3/04	LALANDE, Charline
B32B 5/16	E04F 15/10	LALLEMENT, Marion
B32B 7/12	(11) EP3792059	QUEVAL, Willy
B32B 25/04	(21) EP20195463.3	DUMOTIER, Leila
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B32B 27/14	(54) METHOD OF MANUFACTURING	(33) France
B32B 27/16	FLOORING AND FLOORING	(51) B32B 38/00
B32B 27/30	(73) Adhetec	B32B 37/24
B32B 27/36	(72) NIELSEN, Olivier	B32B 5/16
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(54) MULTILAYER PROTECTIVE FILM FOR	B32B 37/14	(21) EP17744668.9
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(73) Toyo Seikan Group Holdings, Ltd.	B31F 5/04	(87) US2017012736
(72) NANGOU, Shunya	G10K 11/168	03.08.2017
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TAKAYAMA, Keisuke	B32B 15/20	ADDITIVE MANUFACTURING
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(73) Visual Physics, LLC	REINFORCED RIM	(72) MÜNTER, Christoph
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F16F 1/32	F16F 9/54	B60H 1/26
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(73) VOLVO TRUCK CORPORATION	ASSEMBLIES AND SUSPENSION	SEO, Eun Young
(72) AGARWAL, Binay	SYSTEMS INCLUDING SAME	AHN, Yong Nam
HC, Ravindra	(73) Firestone Industrial Products Company,	LEE, Se Min
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CONVERTIBLE VEHICLE	(73) BYD Company Limited	B66C 1/04
(73) Magna Car Top Systems GmbH	(72) CHEN, Guangquan	B66C 1/06
(72) SUESS, Reinhard	CHEN, Daqi	H01M 50/20
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(73) The Regents of The University of	VENETIAN BLINDS	(73) Nokian Raskaat Renkaat Oy
Michigan	(73) Montaplast GmbH	(72) Haapalainen, Mika
Robert Bosch GmbH	(72) MÜLLER, Johannes	(51) B60K 23/02
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PENG, Huei	MIKA, Frank	B60K 23/00
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(73) Jaguar Land Rover Limited	ROBERGE, Dominique	(51) B60K 35/00
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(54) DISPLAY DEVICE WITH FUNCTIONAL	(73) Volkswagen AG	SPARF, Lars Bertil
ELEMENTS AND METHOD FOR	(72) MEIERLING, Klaus	BERGLIND, Tom Richard
PRODUCING SUCH A DISPLAY	ABDELAZIZ, Abdelrahman	BANTER, Charles Bruce
DEVICE	(31) 102018207071	NOHLERT, Per Carl Johan
(73) Smart Coloring GmbH	(32) 07.05.2018	(31) 201862778390 P
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VOS, Hendre	PRODUCTION	(11) EP3789232
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Lee, Kyehoon	G06F 3/0484	B60L 53/12
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(54) SELF-SUPPORTING CARRIER	MORALES FERNÁNDEZ, Daniel	(33) Germany
STRUCTURE FOR AN INSTRUMENT	HAAR, Adrian	Germany
PANEL IN A VEHICLE, INSTRUMENT	(31) 102019206749	(51) B60L 5/20
PANEL COMPRISING SUCH A	(32) 09.05.2019	B60L 5/22
CARRIER STRUCTURE, VEHICLE	(33) Germany	(11) EP3790758
EQUIPPED WITH SUCH AN	(51) B60K 37/02	(21) EP19719490.5
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Wilsdorf, Simone	G06F 3/0488	COLLECTOR
Conic, Miodrag	B62D 1/04	(73) PanTrac GmbH
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(54) ARRANGEMENT OF PACKAGING	(47) 07.06.2023	FOR SHIPPING ITEMS WITH
BOXES	(87) FR2018053555	INFLATABLE PROTECTION DEVICE
(73) TUPACK Verpackungen Gesellschaft	04.07.2019	(73) HARRY PLAST
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B65H 3/00	(72) AHAMMER, Christian	(73) TGW Logistics Group GmbH
B65G 1/06	HASLEHNER, Christoph	(72) LINDLEY, Timothy
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B42C 19/08	B65D 83/00	B25J 9/16
B65H 3/08	B66F 7/06	B65G 47/90
B65H 5/00	(11) EP3814250	(11) EP3838806
B65H 5/10	(21) EP19827256.9	(21) EP20195857.6
(11) EP3127838	(47) 07.06.2023	(47) 07.06.2023
(21) EP16179798.0	(87) DK2019050205	(22) 11.09.2020
(47) 07.06.2023	02.01.2020	(54) FULLY AUTOMATED ROBOTIC
(22) 15.07.2016	(22) 25.06.2019	PICKING SYSTEM AND PICKING
(54) OBJECT RECORDING DEVICE FOR	(54) AN AUTOMATIC LIFTING DEVICE AND	METHOD WITH SENSOR ASSEMBLY
RECEPTION AND DISPENSING OF	USE THEREOF	FOR MEASURING A REMOVED ITEM
OBJECTS	(73) FLEXIONE A/S	AS PART OF THE LIFTING PROCESS
(73) CEWE Stiftung & Co. KGaA	(72) MORTENSEN, Dan	(73) IGZ Ingenieurgesellschaft für logistische
(72) Torzewski, Erik	KRISTENSEN, Kenneth	Informationssysteme mbH
(31) 102015213548	(31) PA201800299	(72) Dipl. Ing. Zrenner, Johann
(32) 17.07.2015	(32) 27.06.2018	(31) 102019135452
(33) Germany	(33) Denmark	(32) 20.12.2019
(51) B65G 1/04	(51) B65G 1/08	(33) Germany
B65G 1/137	B65G 47/88	(51) B65G 1/137
(11) EP3527507	(11) EP3841037	B65G 1/04
(21) EP19168256.6	(21) EP19769384.9	B07C 3/02
(47) 07.06.2023	(47) 07.06.2023	G06Q 10/08
(22) 24.01.2017	(87) EP2019072385	G06Q 50/30
(54) PICKING DEVICE AND PICKING CART	27.02.2020	B07C 5/36
FOR A HONEYCOMB STORAGE	(22) 21.08.2019	G06Q 50/28
SYSTEM	(54) ACTUATING APPARATUS FOR	G06Q 10/087
(73) KEURO Besitz GmbH & Co. EDV-	ACTUATING A SEPARATING DEVICE	G06Q 10/083
Dienstleistungs KG	FOR A GRAVITATIONAL CONVEYOR	(11) EP3592670
(72) Stolzer, Armin	(73) Euroroll GmbH	(21) EP18764345.7
(31) 102016101674	(72) KLEIN, Thomas	(47) 07.06.2023
(32) 29.01.2016	(31) 102018120404	(87) US2018019135
(33) Germany	(32) 21.08.2018	13.09.2018
(51) B65G 1/04	(33) Germany	(22) 22.02.2018
B65G 1/137	(51) B65G 1/137	(54) PARCEL AND ARTICLE SORTING
(11) EP3870527	(11) EP3810530	SYSTEM
(21) EP19816498.0	(21) EP19749568.2	(73) Tompkins Robotics, Inc.
(47) 07.06.2023	(47) 07.06.2023	Zhejiang Libiao Robot Co., Ltd.

(72) ZHU, Jianqiang XU, Juejing SPAIN, John C. FUTCH, Michael C. SERSTAD, James M. KAMINSKA III, Richard C. MCKNIGHT JR., Selden W.	(11) EP3575244 (21) EP19175306.0 (47) 07.06.2023 (22) 20.05.2019 (54) APPARATUS THAT CONTROLS MOTION OF INDEPENDENT MOVERS ALONG A PATH	(51) B65G 21/18 (11) EP3237311 (21) EP15841113.2 (47) 07.06.2023 (87) NL2015050908 30.06.2016 (22) 24.12.2015 (54) HELICAL CONVEYOR
(31) 201715455094 (32) 09.03.2017 (33) United States of America	(73) The Procter & Gamble Company (72) PAPSDORF, Clifford Theodore DEBRULER, Jason Lee CONGLETON, Stephen Douglas HOWDYSELL, Mark Neil	(72) Ambaflex International B.V. (72) BALK, Wouter (31) 2014054 (32) 24.12.2014 (33) Netherlands
(51) B65G 13/071 B65G 17/24 (11) EP3953278 (21) EP19729374.9 (47) 07.06.2023 (87) IT2019000030 15.10.2020 (22) 08.04.2019 (54) ROTARY TABLE BOX MANIPULATOR (73) Para S.R.L. (72) PARA, Emanuele	(31) 201815990850 (32) 29.05.2018 (33) United States of America	(51) B65G 21/18 B65G 47/57 B65G 47/71 (11) EP2505524 (21) EP12171803.5 (47) 07.06.2023 (22) 21.12.2007 (54) Conveyor system (73) Specialty Conveyor B.V. Ambaflex International B.V.
(51) B65G 13/11 B64F 1/36 (11) EP3429944 (21) EP17710539.2 (47) 07.06.2023 (87) EP2017055894 21.09.2017 (22) 14.03.2017 (54) FLEXIBLE PASSENGER SECURITY CONTROL INSTALLATION (73) Selfcair UK Ltd (72) SAFIR, André (31) 1652141 (32) 14.03.2016 (33) France	(73) Logi Concept Engineering B.V. (72) Brinkers, Joep Hendrik	(73) Ambaflex International B.V.
(51) B65G 15/14 (11) EP3218289 (21) EP15808703.1 (47) 07.06.2023 (87) FR2015052978 19.05.2016 (22) 04.11.2015 (54) BRUSH CONVEYOR FOR TRANSPORTING PREFORMS (73) Sidel Participations (72) FEVRE, Sébastien DE LIMA, Rui TURLOTTE, Denis WILLIG, Frédéric	(51) B65G 17/08 B65G 23/06 (11) EP3962839 (21) EP20723064.0 (47) 07.06.2023 (87) EP2020061694 05.11.2020 (22) 28.04.2020 (54) MODULAR CONVEYOR BELT HAVING ALTERNATING DRIVE SURFACES (73) Habasit AG (72) ELSNER, Dietmar SIMMENDINGER, Stefan	(72) Balk, Wouter (31) 2000404 (32) 22.12.2006 (33) Netherlands
(31) 1460870 (32) 10.11.2014 (33) France	(31) 19172200 (32) 02.05.2019 (33) European Patent Office (EPO)	(51) B65G 23/14 (11) EP3502015 (21) EP18211510.5 (47) 07.06.2023 (22) 11.12.2018 (54) CONVEYING DEVICE (73) FERAG AG (72) Brunschweiler, Othmar Beutler, Simon (31) 15952017 (32) 21.12.2017 (33) Switzerland
(51) B65G 15/14 B23Q 3/00 B27B 25/06 B65G 21/20 (11) EP3812313 (21) EP19204392.5 (47) 07.06.2023 (22) 21.10.2019 (54) PLATE TRANSPORT DEVICE (73) IMA Schelling Deutschland GmbH (72) Hampel, Thomas Hielscher, Ulrich	(51) B65G 17/32 B65G 17/24 (11) EP3523223 (21) EP17780901.9 (47) 07.06.2023 (87) IB2017056140 12.04.2018 (22) 05.10.2017 (54) DEVICE FOR CONVEYING OBJECTS (73) I.M.A. Industria Macchine Automatiche S.p.A. (72) COCCHI, Christian (31) 201600100333 (32) 06.10.2016 (33) Italy	(51) B65G 33/18 G01F 11/24 (11) EP3877304 (21) EP19808989.8 (47) 07.06.2023 (87) EP2019080165 14.05.2020 (22) 05.11.2019 (54) APPARATUS FOR METERING BULK MATERIAL (73) Kubota Brabender Technologie GmbH (72) FELDGES, Robert KNEZ, Jürgen (31) 102018128043 (32) 09.11.2018 (33) Germany
(51) B65G 17/00 B65G 35/06	(51) B65G 21/10 B65G 15/14 (11) EP3279118 (21) EP17183627.3 (47) 07.06.2023 (22) 27.07.2017 (54) CONVEYOR SYSTEM (73) WIPOTEC GmbH (72) Günther, Oliver Schmidt, Kay-Eric (31) 102016114604 (32) 05.08.2016 (33) Germany	(51) B65G 35/06 B65G 43/10 (11) EP3620410 (21) EP19175409.2 (47) 07.06.2023 (22) 20.05.2019 (54) METHOD OF INDEPENDENTLY CONTROLLING MOVERS ALONG A PATH (73) The Procter & Gamble Company (72) PAPSDORF, Clifford Theodore DEBRULER, Jason Lee CONGLETON, Stephen Douglas

HOWDYSHELL, Mark Neil	B65G 47/248	184570 P
(31) 201815990851	B65G 47/252	(32) 23.01.2009
(32) 29.05.2018	(11) EP3943421	05.06.2009
(33) United States of America	(21) EP20020432.9	(33) United States of America
(51) B65G 41/00	(47) 07.06.2023	United States of America
B07C 5/344	(22) 25.09.2020	(51) B65G 47/46
B65G 43/08	(54) FRICTION CONTROLLED CONTAINER	B65G 47/52
(11) EP3932836	TWISTING DEVICE	B65G 47/71
(21) EP21178934.2	(73) CHP N.V.	B65G 47/94
(47) 07.06.2023	(72) Turck, Pieter	B65G 67/08
(22) 11.06.2021	(31) PCT/IB2020/056897	B65G 67/20
(54) CONVEYOR BELT ARRANGEMENT	(32) 22.07.2020	B65G 47/34
AND METHOD FOR REMOVING	(33) World Intellectual Property Office (WIPO)	(11) EP3766811
FOREIGN BODIES FROM BULK	(51) B65G 45/12	(21) EP20183485.0
MATERIAL	(11) EP3737625	(47) 07.06.2023
(73) Keestrack N.V.	(21) EP19716355.3	(22) 01.07.2020
(72) HOOGENDOORN, Frederik	(47) 07.06.2023	(54) CONVEYOR AND METHOD FOR
WEINHEIMER, Harald	(87) EP2019058404	CONVERTING A FLOW OF ARTICLES
(31) 102020117400	08.10.2020	TRANSPORTED IN SERIES INTO A
(32) 01.07.2020	(22) 03.04.2019	PARALLEL TRANSPORT STREAM
(33) Germany	(54) CONVEYOR BELT SCRAPING	(73) Deutsche Post AG
(51) B65G 43/10	DEVICE AND DISPLACEMENT GUIDE	(72) Winnebeck, Alexander
B65G 47/26	THEREFOR	Hartmann, Bernd
(11) EP3924278	(73) Schulte Strathaus GmbH & Co. KG	(31) 102019119595
(21) EP20713820.7	Fördertechnik Dichtungssysteme	(32) 19.07.2019
(47) 07.06.2023	(72) SUDHOFF, Sebastian	(33) Germany
(87) AT2020060045	(51) B65G 47/08	(51) B65G 47/51
20.08.2020	(11) EP3554972	B07C 5/36
(22) 13.02.2020	(21) EP17710138.3	(11) EP3642143
(54) CONVEYOR DEVICE FOR	(47) 07.06.2023	(21) EP18740329.0
THE DISTANCELESS AND	(87) EP2017053885	(47) 07.06.2023
PRESSURELESS, OR LOW-	21.06.2018	(87) NL2018050397
PRESSURE, ACCUMULATION OF	(22) 21.02.2017	27.12.2018
OBJECTS, AND OPERATING METHOD	(54) APPARATUS AND METHOD FOR	(22) 19.06.2018
THEREFOR	HANDLING ARTICLES MOVING ONE	(54) DEVICE AND METHOD FOR SORTING
(73) TGW Mechanics GmbH	AFTER THE OTHER	PLIES
(72) SCHÖNBAUER, Manuel	(73) Kronos Aktiengesellschaft	(73) Airborne International B.V.
KARER, Florian Georg	(72) ASTNER, Michael	(72) VAN OVERBEEK, Thomas Theodorus
GRIMMINGER, Richard	BEER, Erhard	Arnoldus
KALTSEIS, Simon	KOLLMUSS, Manuel	HOFSTEDDE, Casper Marinus
RAUSCH, Martin	MEHDI, Arsalan	VAN SIGHEM, Johannes Paul
(31) 501172019	(31) 102016124250	STELMA, Tjalling
(32) 15.02.2019	(32) 13.12.2016	(31) 2019094
(33) Austria	(33) Germany	(32) 19.06.2017
(51) B65G 45/00	(51) B65G 47/24	(33) Netherlands
B65G 45/02	B60L 13/03	(51) B65G 47/51
B65G 45/10	B65G 54/02	B65G 59/00
B65G 51/03	B60L 13/04	(11) EP3265410
B08B 1/00	B60L 13/00	(21) EP16720922.0
B08B 9/00	B65G 35/06	(47) 07.06.2023
(11) EP3445503	(11) EP2382145	(87) NL2016050149
(21) EP17786576.3	(21) EP10733923.6	15.09.2016
(47) 07.06.2023	(47) 07.06.2023	(22) 04.03.2016
(87) US2017028412	(87) US2010021839	(54) TRAY STACK DISPENSER
26.10.2017	29.07.2010	(73) Jarik B.V.
(22) 19.04.2017	(22) 22.01.2010	(72) WOUTERS, Marinus Hendrikus Petrus
(54) CLEANING DEVICE FOR PNEUMATIC	(54) IMPROVED TRANSPORT SYSTEM	(31) 2014413
CONVEYANCE SYSTEM	POWERED BY SHORT BLOCK LINEAR	(32) 06.03.2015
(73) Ecolab Usa Inc.	SYNCHRONOUS MOTORS AND	(33) Netherlands
(72) BILSKI, Matthew Albert	SWITCHING MECHANISM	(51) B65G 47/52
THOMPSON, Chad Aaron	(73) Rockwell Automation, Inc.	B65G 1/137
HODOWANIC, Jill Kristen	(72) KING, Nathanael, N.	B65G 47/91
SEGOVIA, Pablo	PERREAULT, Brian, M.	(11) EP3762319
DOFFING, Brian Joseph	CLARK, Tracy, M.	(21) EP19718228.0
(31) 201662324766 P	THORNTON, Richard, D.	(47) 07.06.2023
(32) 19.04.2016	YOUNG, Jason	(87) AT2019060077
(33) United States of America	BOTTASSO, Michael, W.	12.09.2019
(51) B65G 45/02	(31) 359022	(22) 07.03.2019

(54) COMMISSIONING STATION AND METHOD FOR AUTOMATICALLY COMMISSIONING GOODS	(54) METHOD AND APPARATUS FOR TRANSFERRING ITEMS FROM AND TO A TRANSPORT LINE	16.07.2020
(73) TGW Logistics Group GmbH	(73) FT System S.r.l.	(22) 09.01.2020
(72) DOPPLER, Christoph HOLZNER, Stefan FEISTL, Sebastian Maximilian PRECHTL, Christian SCHRÖPF, Harald	(72) CIPRIANI, Marco (31) 201700072654 (32) 28.06.2017 (33) Italy	(54) METHOD FOR FEEDING SOLID MATERIAL TO A MIXING DEVICE, SOLID-MATERIAL FEEDING DEVICE AND MIXING ASSEMBLY
(31) 508862018 502172018 502072018	(51) B65G 47/90 B65B 21/12 (11) EP3781500 (21) EP19726737.0 (47) 07.06.2023	(73) IKA - Werke GmbH & Co. KG (72) GRIMM, Uwe OTTE, Andreas
(32) 10.10.2018 13.03.2018 09.03.2018	(87) IB2019053024 24.10.2019	(31) 102019102183 102019100619 (32) 29.01.2019 11.01.2019
(33) Austria Austria Austria	(22) 12.04.2019	(33) Germany Germany
(51) B65G 47/54 B65G 49/06 H01L 21/67 H01L 21/677 B65G 43/00 C23C 14/56	(54) DEVICE FOR GRIPPING CONTAINERS (73) Ft System S.r.l.	(51) B65G 53/56 F16K 11/072 (11) EP3795508 (21) EP19198661.1 (47) 07.06.2023
(11) EP3717385 (21) EP17933320.8 (47) 07.06.2023 (87) CN2017113973 06.06.2019	(72) CAFFA, Marco CIPRIANI, Marco LANZONE, Francesco (31) 201800004584 (32) 16.04.2018 (33) Italy	(22) 20.09.2019 (54) MATERIAL SORTING GATE AND SEPARATING DEVICE (73) Sesotec GmbH (72) HILLER, Michael ERTL, Stefan
(22) 30.11.2017	(51) B65G 53/24 B65F 5/00 B65G 53/36 B65G 53/56	(51) B65G 54/02 B65B 61/20 (11) EP3569529 (21) EP19181634.7 (47) 07.06.2023
(54) METHOD FOR DETERMINING A SUBSTRATE POSITION IN A CLOSED CHAMBER AND APPARATUS FOR PERFORMING THE METHOD	(11) EP3577048 (21) EP17870987.9 (47) 07.06.2023 (87) FI2017050781 24.05.2018	(22) 14.01.2015 (54) SYSTEM AND METHOD FOR MERGING ARTICLES AND DOCUMENTS
(73) China Triumph International Engineering Co. Ltd. CTF Solar GmbH	(54) SYSTEM AND METHOD FOR CONVEYING CONSTRUCTION WASTE	(73) CALJAN A/S (72) HEYDOLPH, Thomas RÜFFER, Björn
(72) PENG, Shou HARR, Michael YIN, Xinjian FU, Ganhua KRAFT, Christian RAU, Stefan SIEPCHEN, Bastian	(73) Jokila, Jari (72) Jokila, Jari (31) 20165870 (32) 18.11.2016 (33) Finland	(31) 201461936421 P (32) 06.02.2014 (33) United States of America
(51) B65G 47/71 (11) EP3191386 (21) EP15762914.8 (47) 07.06.2023 (87) DK2015050268 17.03.2016	(51) B65G 53/40 B65G 53/18 (11) EP3645434 (21) EP18746268.4 (47) 07.06.2023 (87) IB2018054375 03.01.2019	(51) B65G 57/11 B65B 35/50 (11) EP3453654 (21) EP18193286.4 (47) 07.06.2023 (22) 07.09.2018
(22) 08.09.2015	(22) 14.06.2018	(54) METHOD AND DEVICE FOR GROUPED ARRANGING AND ORIENTING AND PACKAGING OF INDIVIDUAL FOOD PRODUCTS
(54) A METHOD AND SYSTEM FOR ORDERING A FEEDING SEQUENCE	(54) APPARATUS FOR THE FLUIDIFICATION AND TRANSPORT OF GRANULAR MATERIALS OR POWDERS	(73) VEMAG Maschinenbau GmbH (72) Flammann, Uwe (31) 102017120823 (32) 08.09.2017 (33) Germany
(73) Beumer Group A/S (72) LYKKEGAARD, Uffe (31) 201470553 (32) 09.09.2014 (33) Denmark	(73) NTE Holding S.r.l. (72) NOVELLI, Fabio CONGEDI, Massimo (31) 201700072484 U (32) 28.06.2017 (33) Italy	(51) B65G 59/04 (11) EP3655354 (21) EP18762402.8 (47) 07.06.2023 (87) NL2018050436 24.01.2019
(51) B65G 47/90 B25J 9/00 (11) EP3645432 (21) EP18740913.1 (47) 07.06.2023 (87) IB2018054797 03.01.2019	(51) B65G 53/52 B65G 53/46 B01F 23/53 B01F 27/271 B01F 35/71 (11) EP3908543 (21) EP20700777.4 (47) 07.06.2023 (87) EP2020050423	(22) 04.07.2018 (54) MAGNETIC DEVICE, IN PARTICULAR A PLATE SEPARATOR FOR SEPARATING STEEL PLATES FROM A STACK (73) Goudsmit Magnetic Systems B.V. (72) JACOBS, Ad
(22) 28.06.2018		

SCHMITZ, Bram	ENLUND, Jon Erik	(47) 07.06.2023
VERBERNE, Paul	ANDREASEN, Lars	(87) US2014044087
(31) 2019263	KARLSSON, Björn	08.01.2015
(32) 17.07.2017	(31) 1751515	(22) 25.06.2014
(33) Netherlands	(32) 08.12.2017	(54) WEATHER BARRIER APPARATUSES
(51) B65G 59/10	(33) Sweden	FOR SEALING OR SHELTERING
(11) EP3573911	(51) B65G 65/06	VEHICLES AT LOADING DOCKS
(21) EP18701663.9	B65G 65/36	(73) Rite-Hite Holding Corporation
(47) 07.06.2023	B65G 65/38	(72) DIGMANN, Charles
(87) DK2018050013	(11) EP3938302	HOFFMANN, David J.
02.08.2018	(21) EP20708495.5	BORGERDING, Gary
(22) 24.01.2018	(47) 07.06.2023	(31) 201313933848
(54) DESTACKER WHEEL	(87) EP2020055773	(32) 02.07.2013
(73) QUPAQ ApS	17.09.2020	(33) United States of America
(72) ANDREASEN, Jes	(22) 05.03.2020	(51) B65G 69/28
(31) PA201770048	(54) CIRCULAR STORE	(11) EP3708525
(32) 25.01.2017	(73) thyssenkrupp Industrial Solutions AG	(21) EP20162343.6
(33) Denmark	thyssenkrupp AG	(47) 07.06.2023
(51) B65G 61/00	(72) SCHOLZ, Guido	(22) 11.03.2020
B65G 57/06	KÖNNING, Ludwig	(54) RAMP FOR A LOADING DOCK AND
B65G 57/24	WESTMATTELMANN, Ralf	MANUFACTURING METHOD FOR
B25J 15/00	MENNE, Michael	SAME
B65B 35/16	BERGHOFF, Sven	(73) Burgos Quero, Juan
(11) EP3612477	(31) 201905158	(72) BURGOS QUERO, Juan
(21) EP18788556.1	102019203416	CONEJOS TREPAT, Isidre
(47) 07.06.2023	(32) 13.03.2019	RISPA RODRIGUEZ, Federico
(87) AU2018050347	13.03.2019	(31) 201930236
25.10.2018	(33) Belgium	(32) 13.03.2019
(22) 18.04.2018	Germany	(33) Spain
(54) LAYER PICKING GRIPPER	(51) B65G 65/23	(51) B65H 1/14
(73) Robotic Automation Pty Limited	(11) EP3556691	B65H 3/06
(72) WELLS, Colin	(21) EP19165175.1	B65H 29/50
(31) 2017901405	(47) 07.06.2023	B65H 31/02
(32) 18.04.2017	(22) 26.03.2019	(11) EP3812322
(33) Australia	(54) SEPARATING UNLOADER AND	(21) EP20202604.3
(51) B65G 63/00	METHOD FOR UNLOADING AND	(47) 07.06.2023
G05D 1/02	SEPARATING PACKAGES PROVIDED	(22) 19.10.2020
(11) EP3475203	IN A CONTAINER	(54) DOCUMENT CONVEYING APPARATUS
(21) EP17732400.1	(73) Deutsche Post AG	(73) KYOCERA Document Solutions Inc.
(47) 07.06.2023	(72) Hartmann, Bernd	(72) TASHIRO, Yoshiaki
(87) EP2017065171	(31) 102018109355	TOKORO, Yoshitaka
28.12.2017	(32) 19.04.2018	KAWASAKI, Kenichiro
(22) 21.06.2017	(33) Germany	NAKAGAWA, Takafumi
(54) SYSTEM FOR TRANSPORTING	(51) B65G 67/20	HAGIHARA, Hirofumi
CONTAINERS, PARTICULARLY ISO	B65G 67/24	(31) 2019192180
CONTAINERS, USING HEAVY GOODS	B65G 67/46	2019192178
VEHICLES	B65G 17/06	2019192177
(73) Konecranes Global Corporation	B65G 17/12	(32) 21.10.2019
(72) WIESCHEMANN, Armin	B65G 17/26	21.10.2019
SCHULZ, Heiko	B60P 1/36	21.10.2019
(31) 102016111450	B66F 9/06	(33) Japan
(32) 22.06.2016	(11) EP3383774	Japan
(33) Germany	(21) EP16870050.8	Japan
(51) B65G 65/00	(47) 07.06.2023	(51) B65H 3/08
B65G 1/06	(87) FI2016050849	B65G 47/91
B65G 15/12	08.06.2017	B65H 5/10
B65G 1/137	(22) 01.12.2016	(11) EP3765392
B65G 47/57	(54) EQUIPMENT FOR MOVING A PALLET	(21) EP19715581.5
B65G 1/04	(73) Activ OY	(47) 07.06.2023
(11) EP3495294	(72) KAUHANEN, Juho	(87) IB2019052182
(21) EP18209043.1	AUVINEN, Janne	19.09.2019
(47) 07.06.2023	MUSTONEN, Eetu	(22) 18.03.2019
(22) 29.11.2018	(31) 20155902	(54) VACCUUM PLATE, SHEET MATERIAL
(54) A VERTICAL STORAGE LIFT AND A	(32) 01.12.2015	HANDLING APPARATUS COMPRISING
STORAGE AND RETRIEVAL SYSTEM	(33) Finland	SUCH VACCUUM PLATE, AND
COMPRISING SUCH	(51) B65G 69/00	METHOD FOR MAKING THE PLATE
(73) Weland Solutions AB	(11) EP3016896	(73) Kongsberg Precision Cutting Systems
(72) LARSSON, Per	(21) EP14742055.8	Belgium BV

(72) WADE, Colin Maxwell	B65H 29/62	B65H 65/00
(31) 201804299	B65H 31/24	D02G 1/02
(32) 16.03.2018	B65H 29/70	D02G 1/16
(33) United Kingdom	B65H 29/32	D02G 1/20
(51) B65H 3/48	B65H 5/22	(11) EP3990377
B65H 1/14	(11) EP3597580	(21) EP20735119.8
B65H 3/12	(21) EP18724932.1	(47) 07.06.2023
B65H 7/14	(47) 07.06.2023	(87) EP2020067603
(11) EP3941863	(87) ES2018070170	07.01.2021
(21) EP20710409.2	20.09.2018	(22) 24.06.2020
(47) 07.06.2023	(22) 07.03.2018	(54) TEXTURING MACHINE
(87) EP2020057737	(54) DEVICE FOR TRANSPORTING	(73) Oerlikon Textile GmbH & Co. KG
24.09.2020	FLEXIBLE SHEETS	(72) CONRAD, Stefan
(22) 20.03.2020	(73) Simon Corrugated Machinery, S.L.	JUNGBECKER, Philip
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(73) Solvay Specialty Polymers Italy S.p.A.	(72) ULMER, Herbert Wilhelm	(72) CHAMPAGNE, Clémentine
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(72) OKKEL, Andreas	DHANAPAL, Prem Kumar	ZHOU, Guiyang
VON HAAREN, Jan	ELEVELD, Michiel Barend	LIAN, Ming
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METHOD FOR PRODUCING	(73) EMS-CHEMIE AG	AND POLYPHENYLENE SULFIDE
POLYCARBONATE RESIN, COATING	(72) HARDER, Philipp	PREPARED BY MEANS OF SAME
LIQUID, ELECTROPHOTOGRAPHIC	SCHUBERT, Christian	(73) Zhejiang NHU Company Ltd.
PHOTORECEPTOR, AND	EBLING, Ronny	Zhejiang University
ELECTROPHOTOGRAPHY DEVICE	(51) C08G 73/10	Zhejiang NHU Special Materials Co., Ltd.
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(73) Avient Corporation		(73) Hope Tree Holding GmbH Hope Tree International GmbH
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(51) C08J 3/24 C08F 20/00 C08K 5/00 A61L 15/60 C08K 5/09 C08K 5/098 C08K 5/103 C08K 5/1515 C08K 3/36 C08J 3/12	(31) 20160141147 (32) 27.10.2016 (33) Korea (Republic)	(31) 1751305 (32) 20.10.2017 (33) Sweden
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(73) DyeMansion GmbH	C08G 18/48	(51) C08J 11/14
(72) Neiningen, Markus	C08G 18/42	C08J 11/12
Ewald, Felix	C08G 18/24	C10B 1/02
Kramer, Philipp	C08G 18/76	C10B 1/04
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GOSSELINK, Richard Johannes	C08L 83/08	KOLLAH, Raphael
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C09D 5/02	BASED OVERPRINT VARNISH	AVIGDOR, Reut
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(73) Nexxoil GmbH	(54) PROCESS TO PREPARE A CHAR PRODUCT AND A SYNTHESIS GAS MIXTURE	TIITTA, Marja
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C01B 3/38	(51) C10J 3/84	C01B 3/16
C10G 3/00	C10J 3/56	C01B 3/34
C10G 1/00	C10K 3/00	C10J 3/46
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C10L 9/08	QUALITY COALS AND FROM WASTES,	(73) Klüber Lubrication München SE & Co.
B01D 11/02	RESIDUES AND SLUDGES FROM	KG
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C10L 11/06	(51) C10L 10/06	COPPER SULFIDE IN COMBINATION
A23L 27/00	C10L 1/236	WITH MOLYBDENUM DISULFIDE AND/
(11) EP3947609	C08F 293/00	OR TUNGSTEN DISULFIDE FOR THE
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(47) 07.06.2023	C08F 8/44	(73) GKN Driveline International GmbH
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(72) BRØGGER, Carsten Nygaard	BLOCK COPOLYMER AS DETERGENT	C10N 30/02
(51) C10L 5/44	ADDITIVE	C10N 30/06
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(54) METHOD FOR MANUFACTURING	(33) France	(47) 07.06.2023
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LE BEVILLON, Philippe	(87) FI2017050923	THE ANTI-WEAR PROPERTIES OF A
FLORENTY, Denis	28.06.2018	LUBRICANT COMPOSITION
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(33) France	(73) Neste Corporation	ROBINEAU, Gaël
(51) C10L 5/44	(72) RÄMÖ, Virpi	(31) 1860151
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VEGETABLE OIL	C10N 40/20	C11D 11/00
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(72) KHOO MENG CHUAN, Jeffrey	(11) EP3974500	C11D 1/72
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C10N 30/00	(32) 25.09.2020	PERFORMS BOTH A CLEANING AND
C10N 40/08	(33) European Patent Office (EPO)	RINSING FUNCTION
C10N 30/08	(51) C11B 1/10	(73) Ecolab USA Inc.
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(72) HÖVELMANN, Felix	(72) HOEM, Nils	United States of America
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C10N 30/00	(54) CONFECTIONERY COATED WITH	C11D 3/50
C10N 30/06	APPLE WAX	(11) EP3516029
C10N 40/20	(73) Katjes Fassin GmbH. + Co.	(21) EP17783408.2
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(87) JP2016059437	(51) C11D 1/62	OF SOLIDS-CONTAINING MELT
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FILM AGENT, SURFACE TREATED	(87) US2020066609	SCHMIEDEL, PETER
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FOR FORMING WATER CONTAINING-	(22) 22.12.2020	STEHR, REGINA
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MATERIAL	METHOD OF PREPARING SAME	NICKEL, DIETER
(73) Nihon Parkerizing Co., Ltd.	(73) Dow Silicones Corporation	LUNEAU, BENOIT

PANZICA, DANILO	(33) Germany	(72) Sunder, Matthias
SUBINYA, MIRELA	(51) C11D 3/20	Trebbe, Uwe
RICHTER, BERND	C11D 3/382	Hammelstein, Stefan
LARSON, BERND	C11D 17/00	Blank, Volker
HORN, MICHAEL	(11) EP3538630	Holderbaum, Thomas
VICTOR, PETER	(21) EP17797541.4	Tollkoetter, Alexander
SCHMIDT, HANS-JOACHIM	(47) 07.06.2023	Siepler, Niklas
TREBBE, UWE	(87) EP2017077060	Boesemann, Gerd
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26.09.2016	METHODS	(51) C11D 7/50
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Germany	(72) ABBEY, Thomas James	(72) MIYAOKA Masanobu
Germany	TOMS, David John	MIYAOKA Yuuji
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(54) HEAVY DUTY DETERGENT SHEET	(47) 07.06.2023	(47) 07.06.2023
CONTAINING A WASHING-ACTIVE	(22) 07.06.2018	(22) 09.04.2019
SUBSTRATE	(54) METHOD FOR THE PREPARATION OF	(54) SINGLE DOSE LAUNDRY DETERGENT
(73) Coin Consulting GmbH	A LIQUID DETERGENT COMPOSITION	PACKS HAVING ZINC RICINOLEATE
(72) MAUSBERG, Marcus	COMPRISING A PRESERVATIVE-FREE	AND SODIUM IMINODISUCCINATE
PULINA, Michael	DYE SOLUTION	(73) Henkel AG & Co. KGaA
ADLER, Jost	(73) Henkel AG & Co. KGaA	(72) Piorkowski, Daniel T
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(51) C11D 17/04	(73) Agidens Process Automation NV	(51) C12C 13/00
A47L 13/17	(72) VERSCHUEREN, Kim	C12C 13/02
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HEAVY-DUTY DETERGENT CLOTH	(21) EP18157107.6	(21) EP16840934.0
AND METHOD FOR THE PRODUCTION	(47) 07.06.2023	(47) 07.06.2023
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(33) Germany	DE BRACKELEIRE, Christian	PRESSURISED VESSEL
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(73) Heineken Supply Chain B.V.	(87) NL2019050553	(21) EP20189166.0
(72) BROUWER, Eric Richard	05.03.2020	(47) 07.06.2023
DEKONINCK, Tinne	(22) 29.08.2019	(22) 03.08.2020
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VAN VEEN, Marcel	(73) Heineken Supply Chain B.V.	OPERATION OF A BIOETHYLENE
SCHOUTEN, Maria Elizabeth Wilhelmina	(72) VAN NUUS, Martinus Adrianus	RECOVERY PLANT AND A BIOGAS
(31) 16154513	(31) 18191554	PLANT
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C12C 3/12	(11) EP3798296	Lüdtke, Oliver
C12H 1/16	(21) EP20187093.8	(51) C12G 3/02
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(47) 07.06.2023	(54) METHOD FOR OBTAINING WORT BY	(11) EP3564353
(87) EP2017052450	LAUTERING MASH WITH A LAUTER	(21) EP18020191.5
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(54) LIGHT-STABLE HOP EXTRACT	(72) ZIEGLER, Georg	(54) STRAWBERRY SPIRITS AND
(73) Heineken Supply Chain B.V.	(31) 102019126368	PRODUCTION METHOD THEREOF
(72) BROUWER, Eric Richard	(32) 30.09.2019	(73) R.G.C.C. Holdings AG
DEKONINCK, Tinne	(33) Germany	(72) Papatotiriou, Ioannis
VANBENEDEN, Nele	(51) C12C 11/11	(51) C12H 1/18
VAN VEEN, Marcel	C12C 12/00	(11) EP3516035
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(73) Forschungsinstitut für Anorganische	COLETTI, Bert	GERBERICK, Walter
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(11) EP3964650	E02F 5/28	(54) A REAR SUSPENSION MOUNTING ASSEMBLY
(21) EP21164149.3	(11) EP3781750	(73) VOLVO TRUCK CORPORATION
(47) 07.06.2023	(21) EP19717583.9	(72) GONDALIYA, Himmat
(22) 23.03.2021	(47) 07.06.2023	(31) 201941011391
(54) QUICK CHANGE SYSTEM FOR CHANGING ATTACHMENTS ON A CONSTRUCTION MACHINE	(87) GB2019051002	(32) 25.03.2019
(73) OilQuick Deutschland KG	(22) 05.04.2019	(33) India
(72) Schauer, Stefan	(54) IMPROVEMENTS IN AND RELATING TO UNDERWATER EXCAVATION APPARATUS	(51) E02F 9/16
(31) 102020118938	(73) Rotech Group Limited	E02F 9/20
(32) 17.07.2020	(72) STEWART, Donald	E02F 9/26
(33) Germany	(31) 201806451	G05D 1/00
(51) E02F 3/36	(32) 20.04.2018	H04N 7/18
B66C 3/16	(33) United Kingdom	(11) EP4074899
E02F 3/413	(51) E02F 9/00	(21) EP22160032.3
A01G 23/00	B60L 1/00	(47) 07.06.2023
B66C 3/00	B60L 9/30	(22) 03.03.2022
(11) EP3656928	H02J 1/00	(54) REMOTE OPERATION APPARATUS
(21) EP19468002.1	H02J 7/00	(73) KOBELCO CONSTRUCTION MACHINERY CO., LTD.
(47) 07.06.2023	H02J 7/34	(72) SASAKI, Hitoshi
(22) 25.11.2019	E02F 9/20	SAWADA, Yusuke
(54) MULTI-PURPOSE MODULAR HYDRAULIC GRIPPER WITH SYNCHRONOUS AND ASYNCHRONOUS OPERATION	B60L 50/53	(31) 2021058148
(73) Voje, Rafko	B60L 53/14	(32) 30.03.2021
(72) Voje, Rafko	E02F 9/26	(33) Japan
(31) 201800254	H02J 1/10	(51) E02F 9/20
(32) 23.11.2018	(11) EP3786371	B60L 9/00
(33) Slovenia	(21) EP19793113.2	E02F 3/30
(51) E02F 3/36	(47) 07.06.2023	E02D 17/13
E02F 3/96	(87) JP2019016149	E02F 9/08
(11) EP3725953	31.10.2019	(11) EP4012109
(21) EP18887627.0	(22) 15.04.2019	(21) EP20212704.9
(47) 07.06.2023	(54) ELECTRIC WORK MACHINE	(47) 07.06.2023
(87) KR2018010662	(73) Yanmar Power Technology Co., Ltd.	(22) 09.12.2020
20.06.2019	(72) KANEDA, Kensuke	(54) CONSTRUCTION MACHINE
(22) 12.09.2018	TERASHIMA, Jun	(73) BAUER Maschinen GmbH
(54) QUICK COUPLER CONNECTION SYSTEM FOR CONSTRUCTION MACHINE	(31) 2018083094	(72) Miller, Florian
(73) Daemo Engineering Co., Ltd.	(32) 24.04.2018	Skirlo, Gernot
(72) KIM, Ho Chul	(33) Japan	(51) E02F 9/20
(31) 20170173065	(51) E02F 9/02	B60L 50/60
(32) 15.12.2017	B60F 1/02	E21F 13/06
(33) Korea (Republic)	B60F 1/04	(11) EP4026957
(51) E02F 3/43	(11) EP3942116	(21) EP22150976.3
E02F 9/20	(21) EP20718401.1	(47) 07.06.2023
E02F 9/26	(47) 07.06.2023	(22) 11.01.2022
(11) EP3390730	(87) NL2020050186	(54) WORK MACHINE OPERABLE BY A REMOTE OPERATION SUPPORT SYSTEM
(21) EP15910863.8	24.09.2020	(73) KOBELCO CONSTRUCTION MACHINERY CO., LTD.
(47) 07.06.2023	(22) 19.03.2020	(72) Hama, Ryota
(87) SE2015051372	(54) VEHICLE COMPRISING A STABILIZER, AND STABILIZER FOR SUCH A VEHICLE	Yamazaki, Yoichiro
22.06.2017	(73) P. Berende Holding B.V.	Hirose, Ryuichi
(22) 18.12.2015	Nijhuis Engineering Dronten B.V.	(31) 2021002569
(54) SYSTEM AND METHOD FOR DETERMINING A MATERIAL ENTITY TO BE REMOVED FROM A PILE AND A CONTROL UNIT FOR A WORKING MACHINE COMPRISING SUCH A SYSTEM	(72) BERENDE, Petrus Cornelis Adrianus	(32) 12.01.2021
(73) Volvo Construction Equipment AB	Maria	(33) Japan
(72) MARTINSSON, Torbjörn	STEE, Daniel P.J.	(51) E02F 9/20
MAGNUSSON, Martin	(31) 2022762	B66F 9/00
(51) E02F 3/88	(32) 19.03.2019	G06Q 50/08
	(33) Netherlands	G07C 3/08
	(51) E02F 9/16	B66F 9/24
	B62D 21/15	G06Q 10/06
	B62D 33/06	G07C 3/12
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	(47) 07.06.2023	(21) EP21174742.3
	(87) EP2020058242	(47) 07.06.2023

(22) 19.05.2021	(54) WEAR ASSEMBLY	(54) METHOD AND ASSEMBLY FOR
(54) APPARATUS AND METHOD	(73) ESCO Group LLC	MOUNTING A LEAD-THROUGH
FOR PROVIDING DRIVE GUIDE	(72) CHEYNE, Mark A.	DEVICE IN A WALL
INFORMATION OF CONSTRUCTION	COWGILL, Noah	(73) Villeroy & Boch Gustavsberg AB
EQUIPMENT	ROSKA, Michael B.	(72) CANI, Pär
(73) Hyundai Doosan Infracore Co., Ltd.	CONKLIN, Donald M.	OLSSON, Kristian
(72) PARK, Kwangseok	ZENIER, Scott H.	RYDETORP, Björn
OH, Jinhyuk	HAINLEY, Chris J.	(31) 1950052
HEO, Sookyung	(31) 201161576929 P	(32) 16.01.2019
(31) 20200059911	201161507726 P	(33) Sweden
(32) 19.05.2020	(32) 16.12.2011	(51) E03C 1/02
(33) Korea (Republic)	14.07.2011	(11) EP3613908
(51) E02F 9/20	(33) United States of America	(21) EP19192121.2
E02F 9/12	United States of America	(47) 07.06.2023
G06N 20/00	(51) E03B 1/04	(22) 16.08.2019
(11) EP3842594	(11) EP3746605	(54) METHOD FOR INSTALLING A FLUSH
(21) EP19851785.6	(21) EP19710460.7	MOUNTING BODY
(47) 07.06.2023	(47) 07.06.2023	(73) Grohe AG
(87) JP2019028746	(87) GB2019050287	(72) Hopfau, Harry
27.02.2020	08.08.2019	Langer, Heiko
(22) 23.07.2019	(22) 01.02.2019	Luig, Frank-Thomas
(54) CONSTRUCTION MACHINE	(54) WATER RECYCLING SYSTEM	(31) 102018120204
(73) Yanmar Power Technology Co., Ltd.	(73) Cascade Water Products Ltd	(32) 20.08.2018
(72) HARA, Naohiro	(72) HOLDSWORTH, Peter William	(33) Germany
EGUCHI, Shingo	(31) 201801733	(51) E03C 1/04
YAMANAKA, Keishi	(32) 02.02.2018	(11) EP3402930
FUJIMORI, Tatsuya	(33) United Kingdom	(21) EP17702967.5
YAMADA, Masaki	(51) E03B 9/02	(47) 07.06.2023
KANEDA, Kensuke	E03B 9/06	(87) NL2017050012
(31) 2018154735	F16K 27/00	20.07.2017
(32) 21.08.2018	G01L 19/08	(22) 11.01.2017
(33) Japan	G01M 3/32	(54) SYSTEM FOR DISPENSING WATER
(51) E02F 9/20	A62C 35/20	(73) Quooker International B.V.
G05G 1/00	A62C 37/50	(72) PETERI, Niels Theodoor
E02F 3/43	(11) EP3741918	(31) 2016083
E02F 9/26	(21) EP20164321.0	(32) 11.01.2016
(11) EP3489422	(47) 07.06.2023	(33) Netherlands
(21) EP18207450.0	(22) 19.03.2020	(51) E03C 1/04
(47) 07.06.2023	(54) OUTER HOUSING FOR A PRESSURE	B05B 1/18
(22) 21.11.2018	MONITORING SYSTEM	(11) EP3702541
(54) CONTROLLING EARTHMOVING	(73) Mueller International, LLC	(21) EP20155361.7
MACHINE	(72) MORENO, Carlos Stephen	(47) 07.06.2023
(73) Novatron Oy	MITCHELL, Timothy J.	(22) 04.02.2020
(72) Hokkanen, Visa	(31) 201916399109	(54) NOZZLE FOR A SANITARY FITTING
Moisio, Petri	(32) 30.04.2019	WITH A RETURN SPRING
(31) 20180081	(33) United States of America	(73) Grohe AG
20176052	(51) E03B 9/02	(72) MAINKA, David
(32) 12.07.2018	E03C 1/10	SCHRÖDER, Claudia
24.11.2017	F16K 31/60	(31) 102019104771
(33) Finland	E03B 7/10	(32) 26.02.2019
Finland	(11) EP4015718	(33) Germany
(51) E02F 9/22	(21) EP21215620.2	(51) E03C 1/04
B66F 9/22	(47) 07.06.2023	E03C 1/08
F15B 21/14	(22) 17.12.2021	B05B 1/34
F15B 11/00	(54) FROST-PROOF EXTERNAL WALL TAP	(11) EP3757301
(11) EP3770340	WITH SYSTEM DISCONNECTOR	(21) EP20181851.5
(21) EP20196147.1	(73) Heinrich Schulte & Sohn GmbH & Co.	(47) 07.06.2023
(47) 07.06.2023	KG	(22) 24.06.2020
(22) 10.04.2015	(72) de Gruyter, Henning	(54) BEAM CONTROLLER
(54) A HYDRAULIC SYSTEM	(31) 102020134275	(73) KWC Group AG
(73) Volvo Construction Equipment AB	(32) 18.12.2020	(72) Keel, Manuel
(72) VIGHOLM, Bo	(33) Germany	Berger, Reto
(51) E02F 9/28	(51) E03C 1/02	Rueegg, Andreas
E02F 9/26	(11) EP3683368	(31) 102019117381
(11) EP3581721	(21) EP20151589.7	(32) 27.06.2019
(21) EP19190036.4	(47) 07.06.2023	(33) Germany
(47) 07.06.2023	(22) 14.01.2020	(51) E03C 1/084
(22) 12.07.2012		

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(21) EP20780597.9	(54) WASHING TABLE ASSEMBLY AND	G09F 19/10
(47) 07.06.2023	METHOD OF ITS MAINTENANCE AND	(11) EP4023827
(87) EP2020076144	CLEANING	(21) EP22150252.9
15.04.2021	(73) Pfeiffer GmbH & Co. KG	(47) 07.06.2023
(22) 18.09.2020	(72) Pfeiffer, Arnd	(22) 04.01.2022
(54) SANITARY BUILT-IN PART AND SERIES	Pfeiffer, Holm	(54) WATER CIRCULATING SUPPLY
FOR A SANITARY BUILT-IN PART	(31) 102019104272	DEVICE FOR DEMONSTRATING THE
(73) Neoperl GmbH	(32) 20.02.2019	FUNCTION OF A SMART TOILET
(72) BLUM, Gerhard	(33) Germany	(73) Oceanwell (Xiamen) Industrial Co., Ltd.
(31) 202019105541 U	(51) E03D 5/02	(72) Chen, Shoushun
(32) 08.10.2019	E03D 1/012	Yu, Xingyi
(33) Germany	E03D 1/34	Peng, Dong
(51) E03C 1/12	F16K 31/08	(31) 202120011222 U
E03D 1/14	F16K 11/052	(32) 05.01.2021
E03D 1/22	E03D 1/32	(33) China
E03D 3/12	(11) EP3502365	(51) E03D 11/02
E03D 5/00	(21) EP18199623.2	E03D 11/11
E03D 5/10	(47) 07.06.2023	E03D 11/13
E03D 11/00	(22) 10.10.2018	(11) EP3821086
E03D 9/052	(54) SANITARY ARTICLE, ESPECIALLY	(21) EP19746179.1
E03D 11/10	CISTERN OR DRAINING OR FILLING	(47) 07.06.2023
(11) EP3063338	VALVE FOR A CISTERN	(87) IB2019055921
(21) EP14858348.7	(73) Viega Technology GmbH & Co. KG	16.01.2020
(47) 07.06.2023	(72) Rothstein, Gerhard	(22) 11.07.2019
(87) AU2014001000	Arndt, Johannes	(54) SELF-CLEANING TOILET,
07.05.2015	Wessel, Heinz-Werner	PARTICULARLY FOR USE AS A
(22) 23.10.2014	(31) 102017130586	URINAL
(54) WATER SAVING TOILET SYSTEM	(32) 19.12.2017	(73) Despe S.p.A.
(73) Huynh, Quang Le	(33) Germany	(72) PANSERI, Roberto
(72) Huynh, Quang Le	(51) E03D 9/08	(31) 201800007107
(31) 2013904173	A47K 13/30	(32) 11.07.2018
(32) 29.10.2013	E03D 11/06	(33) Italy
(33) Australia	E03D 11/08	(51) E03D 11/08
(51) E03C 1/232	E03C 1/12	(11) EP3020880
(11) EP3461959	(11) EP3746606	(21) EP15191970.1
(21) EP18196592.2	(21) EP19715577.3	(47) 07.06.2023
(47) 07.06.2023	(47) 07.06.2023	(22) 28.10.2015
(22) 25.09.2018	(87) IB2019051884	(54) FLUSH TOILET
(54) OVERFLOW DEVICE	03.10.2019	(73) TOTO LTD.
(73) Oy Prevox Ab	(22) 08.03.2019	(72) KITAMURA, Masaki
(72) STRANDVALL, Sören	(54) SANITARY BOWL	YAMAKAWA, Satoshi
(31) 1850878	(73) CEADESIGN SRL	MIZOGUCHI, Kazuyoshi
1751196	(72) MALASORTI, Natalino	KASHIRAJIMA, Shu
(32) 10.07.2018	(31) 201800004089	(31) 2014231637
26.09.2017	(32) 29.03.2018	(32) 14.11.2014
(33) Sweden	(33) Italy	(33) Japan
Sweden	(51) E03D 9/08	(51) E03D 11/14
(51) E03C 1/298	E03D 11/02	E03D 9/08
F16K 15/14	A61L 2/08	(11) EP3670772
(11) EP3973111	A61N 5/06	(21) EP19217777.2
(21) EP20732810.5	E03D 11/13	(47) 07.06.2023
(47) 07.06.2023	(11) EP3882409	(22) 19.12.2019
(87) EP2020065991	(21) EP19933009.3	(54) WC CONNECTION DEVICE FOR
17.12.2020	(47) 07.06.2023	CONNECTING A SHOWER WC
(22) 09.06.2020	(87) KR2019010602	TO THE WALL AND METHOD FOR
(54) NOZZLE VALVE AND USE OF A	17.12.2020	INSTALLING A SHOWER WC USING A
NOZZLE VALVE	(22) 20.08.2019	WC CONNECTION DEVICE
(73) Neoperl GmbH	(54) TOILET BOWL WITH INFRARED	(73) Viega Technology GmbH & Co. KG
(72) HAUTH, Matthias	GENERATOR	(72) Droste, Stefan
(31) 202019103326 U	(73) Lee, Jun Gue	Schulte, Philipp
(32) 13.06.2019	(72) Lee, Jun Gue	Dietermann, Patrick
(33) Germany	(31) 20190071301	(31) 102018133514
(51) E03C 1/324	20190069588	(32) 21.12.2018
A47K 1/05	(32) 17.06.2019	(33) Germany
(11) EP3699369	12.06.2019	(51) E03F 5/02
(21) EP20153554.9	(33) Korea (Republic)	(11) EP3812523
(47) 07.06.2023	Korea (Republic)	(21) EP20201855.2

(47) 07.06.2023	(31) 1042578	(54) DEVICE FOR THE SUBSEQUENT
(22) 14.10.2020	(32) 10.10.2017	THERMAL INSULATION, FORCE-
(54) SHAFT BOTTOM LINING	(33) Netherlands	TRANSMITTING CONNECTION OF A
(73) Predl GmbH	(51) E03F 5/22	SECOND LOAD-BEARING BUILDING
(72) PREDL, Manfred	F04D 13/16	ELEMENT TO A FIRST LOAD-BEARING
(31) 3392019	F04D 29/70	CONSTRUCTION ELEMENT AND
(32) 21.10.2019	(11) EP3404154	CONSTRUCTION WITH SUCH A
(33) Austria	(21) EP16881275.8	DEVICE
(51) E03F 5/02	(47) 07.06.2023	(73) Leviat GmbH
E03F 5/04	(87) CN2016113472	(72) Keller, Tina
(11) EP2561152	06.07.2017	Heidolf, Thorsten
(21) EP11715702.4	(22) 30.12.2016	Hollerbuhl, Lutz
(47) 07.06.2023	(54) PREFABRICATED PUMP STATION	Morsink, Richard
(87) EP2011056215	UNIT	(31) 202021000466 U
27.10.2011	(73) Grundfos Holding A/S	(32) 01.02.2021
(22) 19.04.2011	Grundfos (China) Holding Co. Ltd.	(33) Germany
(54) GULLEY	(72) YANG, Zhiyong	(51) E04B 1/00
(73) D & B Ingenieurs B.V.	QIAO, Cheng	E04C 2/52
TBS-SVA Groep B.V.	CAO, Yanghua	F24F 7/08
(72) DIJKSTRA, Wietse	XU, Feng	E04B 1/76
VOGEL, Ronald	SHAO, Teng	E04G 23/00
BAKKER, Wiebe Jan	(31) 201620486697 U	F24F 7/00
(31) 2004578	201610353914	F24F 5/00
(32) 20.04.2010	201620486698 U	(11) EP3194677
(33) Netherlands	201521140558 U	(21) EP15794655.9
(51) E03F 5/04	201511032408	(47) 07.06.2023
(11) EP3674493	(32) 25.05.2016	(87) IT2015000227
(21) EP19219711.9	25.05.2016	24.03.2016
(47) 07.06.2023	25.05.2016	(22) 16.09.2015
(22) 24.12.2019	31.12.2015	(54) THERMAL SHELL, IN PARTICULAR
(54) GULLEY	31.12.2015	FOR A BUILDING
(73) J.C. Willemsen Beheer B.V.	(33) China	(73) Azienda Agricola Eredi Poccianti
Schotanus, Jacobus Gerhard Nicolaas	China	(72) POCCIANTI, Guido Francesco
Van Nuland, Franciscus Hendricus	China	(31) RM20140525
(72) SCHOTANUS, Jacobus Gerhard	China	(32) 16.09.2014
Nicolaas	China	(33) Italy
VAN NULAND, Franciscus Hendricus	(51) E03F 7/06	(51) E04B 1/16
WILLEMSEN, Johannes Cornelis	(11) EP3692219	E04B 2/72
(31) 2022311	(21) EP18785250.4	E04B 2/74
(32) 24.12.2018	(47) 07.06.2023	E04C 3/34
(33) Netherlands	(87) DK2018050248	(11) EP3526415
(51) E03F 5/04	11.04.2019	(21) EP17804049.9
E03C 1/12	(22) 02.10.2018	(47) 07.06.2023
G01C 9/00	(54) RAT AND VERMIN BARRIER SUITABLE	(87) DE2017000354
(11) EP3759287	FOR INSTALLATION IN A SEWAGE	26.04.2018
(21) EP19757003.9	PIPE	(22) 16.10.2017
(47) 07.06.2023	(73) Sewatech APS	(54) WALL CONSTRUCTION SYSTEM
(87) DK2019050074	(72) LYKKE SØRENSEN, Michael	FOR BUILDING HOUSES, HAVING
29.08.2019	HASAGER, Niels	DRY CONSTRUCTION COMPOSITE
(22) 26.02.2019	(31) PA201870096	COLUMNS OF STRUCTURAL STEEL
(54) COMBINATION OF A COVER PLATE	PA201770752	AND CONCRETE
AND A DRAIN AND USE OF SUCH	(32) 16.02.2018	(73) Schurig, Burkhart
COMBINATION	03.10.2017	(72) Schurig, Burkhart
(73) Blücher Metal A/S	(33) Denmark	(31) 102016012398
(72) YOUNG, Stuart Gordon	Denmark	(32) 17.10.2016
HODGE, Gary, A.	(51) E04B 1/00	(33) Germany
(31) PA201870126	(11) EP3656937	(51) E04B 1/19
(32) 26.02.2018	(21) EP18207451.8	E04B 1/32
(33) Denmark	(47) 07.06.2023	(11) EP3882410
(51) E03F 5/14	(22) 21.11.2018	(21) EP20163820.2
(11) EP3480375	(54) STRUCTURAL ELEMENT FOR HEAT	(47) 07.06.2023
(21) EP18196562.5	INSULATION	(22) 18.03.2020
(47) 07.06.2023	(73) SCHÖCK BAUTEILE GmbH	(54) NEW TYPE OF FACE NODAL
(22) 25.09.2018	(51) E04B 1/00	CONNECTION FOR SURFACE
(54) RAINWATER TREATMENT DEVICE	(11) EP4036338	STRUCTURES
(73) Wavin B.V.	(21) EP21210372.5	(73) Ruch Innovation AG
(72) Determann, Matthias	(47) 07.06.2023	(72) RUCH, Andreas
Brümmer, Günter	(22) 25.11.2021	(51) E04B 1/21

(11) EP4004302	(54) FOAM WALL STRUCTURES WITH	(72) Siebenhaar, Thomas
(21) EP20746292.0	HIGH SHEAR STRENGTH AND	(31) 202020101074 U
(47) 07.06.2023	METHODS FOR THE MANUFACTURE	(32) 27.02.2020
(87) IB2020056890	THEREOF	(33) Germany
04.02.2021	(73) Covestro LLC	(51) E04B 1/343
(22) 22.07.2020	(72) BAILY, David M.	E04H 1/12
(54) DRY CONNECTION SYSTEM OF	LAMBACH, James L.	B60P 3/34
PREFABRICATED ELEMENTS	PALMOSINA II, Michael F.	(11) EP3818218
(73) DLC Consulting S.r.l.	(31) 201862667786 P	(21) EP19745567.8
(72) DAL LAGO, Bruno Alberto	(32) 07.05.2018	(47) 07.06.2023
(31) 201900020038	(33) United States of America	(87) EP2019068027
201900012978	(51) E04B 1/26	09.01.2020
(32) 30.10.2019	F16B 5/00	(22) 04.07.2019
26.07.2019	F16B 12/22	(54) A PORTABLE COLLAPSIBLE SHELTER
(33) Italy	(11) EP4081686	(73) Bundy, Ross
Italy	(21) EP21843701.0	(72) Bundy, Ross
(51) E04B 1/21	(47) 07.06.2023	(31) 201811078
E04B 1/24	(87) EP2021086985	(32) 05.07.2018
E04B 1/41	21.07.2022	(33) United Kingdom
E04B 1/58	(22) 21.12.2021	(51) E04B 1/348
F16S 3/00	(54) WALL, CEILING OR ROOF ELEMENT	(11) EP3628787
F16B 13/04	CONNECTION	(21) EP18207786.7
(11) EP3365505	(73) Buhl, Stefan	(47) 07.06.2023
(21) EP16857892.0	(72) Buhl, Stefan	(22) 22.11.2018
(47) 07.06.2023	(31) 202021100095 U	(54) MODULAR INTEGRATED BUILDING
(87) SG2016050491	(32) 12.01.2021	AND CONSTRUCTION METHOD
27.04.2017	(33) Germany	THEREOF
(22) 06.10.2016	(51) E04B 1/343	(73) Yau Lee Wah Construction Materials
(54) CONNECTOR OPERABLE TO COUPLE	E04B 1/348	(Huizhou) Company Limited
TWO OR MORE COMPONENTS, AND	E04B 1/82	(72) Wong, Conrad Tin Cheung
METHOD OF COUPLING TWO OR	E04H 1/12	Wong, Rosana Wai Man
MORE COMPONENTS	(11) EP3808909	(31) 201811114829
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(72) RITT, Hans	F16G 1/28	E06C 1/39
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	(72) LANZL, Martin	(73) Sandvik Mining and Construction Tools AB
		(72) NORDBERG, Anders
		JANSSON, Tomas

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(54) SELF-LOCKING THREADED	01.08.2019	DEVICE
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(54) DOWNHOLE APPARATUS AND	(22) 11.03.2020	(73) Epiroc Rock Drills Aktiebolag
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(73) Gomecsys B.V.	(54) GAS TURBINE ENGINE	A BRAKING TORQUE OF THE ENGINE
(72) De Gooijer, Lambertus Hendrik	(73) Rolls-Royce plc	(73) Volvo Truck Corporation
Wagenaar, Sander	(72) Bemment, Craig	(72) MOHLIN, Anders
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F01D 1/38	(32) 12.09.2019	(32) 06.10.2016
F02C 6/16	(33) United Kingdom	(33) World Intellectual Property Office (WIPO)
F01D 1/18	(51) F02C 7/18	(51) F02D 13/02
F01D 15/10	F02C 7/32	F02B 75/04
(11) EP3798435	F02K 3/06	F02D 15/00
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(54) POWER STATION UNIT FOR A HYBRID	(22) 01.10.2019	F02D 41/00
POWER STATION	(54) COOLING OF GAS TURBINE ENGINE	(11) EP3894679
(73) Leone-Meier, Barbara	ACCESSORIES	(21) EP19896156.7
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(54) METHOD AND DEVICE FOR INCREASED EXHAUST GAS TEMPERATURE IN A DIESEL ENGINE	(73) Toyota Jidosha Kabushiki Kaisha	(54) METHOD FOR OPERATING AN IDLING CONTROL DEVICE, IDLING CONTROL DEVICE, AND MOTOR VEHICLE
(73) Hedman Ericsson Patent AB	(72) KATO, Daiki	(73) Vitesco Technologies GmbH
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F02D 23/00	G01M 15/04	C23C 16/00
F02B 21/00	G01M 17/007	(11) EP2844859
F02D 41/00	(11) EP3565963	(21) EP13729417.9
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(54) METHOD FOR OPERATING AN ENGINE	(54) A SYSTEM AND METHOD TO CALIBRATE AN ENGINE CONTROL UNIT (ECU) OF A VEHICLE	(73) HYDROMECHANIQUE ET FROTTEMENT
(73) Caterpillar Motoren GmbH & Co. KG	(73) Robert Bosch GmbH	(72) HEAU, Christophe
(72) SIXEL, Eike Joachim	Bosch Limited	BOMBILLON, Laurent
BANCK, Andreas	(72) PRABHU, Panduranga	MAURIN-PERRIER, Philippe
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(73) Geisberger, Maximilian	(73) Weichai Power Co., Ltd.	(72) MASTONSTRÄLE, Stefan
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(72) Odello, Fabio	(51) F02D 41/16	(72) FRAUSCHER, Josef
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F02K 9/97	(47) 07.06.2023	KARLSSON, Mikael
C09J 5/02	(22) 29.05.2020	ÅGREN, Torbjörn
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B05D 5/00	CORNAGLIA, Umberto	B01D 35/147
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F02B 73/00	(72) RIBEIRO, Fabio	(73) Hamilton Sundstrand Corporation
B63H 21/14	LÖWSTEDT, Carl	(72) JEDLINSKI, Marek
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PLANT WITH A PARTICLE DAMPING	WIND TURBINE AND METHOD FOR	TURBINE
DEVICE AND METHOD FOR	OPERATING A WIND TURBINE	(73) Siemens Gamesa Renewable Energy A/
PRODUCING SAME	(73) Siemens Gamesa Renewable Energy	S
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Service GmbH	(72) WARFEN, Karsten	HOEGH, Gustav
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(72) MORBIATO, Tommaso	WIND TURBINE	(31) 18212370
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(73) Mizerit, Branko	(54) CONTROLLING POWER OUTPUT OF	JEPPESEN, Christian
(72) Mizerit, Branko	A WIND TURBINE AT BELOW-RATED	SOWMAN, Jon
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B60R 16/02	F16B 12/10	SPACING SCREW, SCREW PROVIDED
B60T 8/34	F16B 12/20	WITH SUCH A SLEEVE, AND ROTARY
H02G 3/14	F16B 12/12	TOOL FOR SCREWING IN THE SCREW
H02G 3/16	A47F 5/10	(73) fischerwerke GmbH & Co. KG
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(22) 13.02.2020	(72) BÄNZIGER, David	(73) Fidlock GmbH
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F16F 9/06	SMAC	(73) Berndorf Innovations und Technologie GmbH
F16F 9/02	(72) LAMY, Pierre	(72) HAYDN, Markus
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F16F 9/32	06.08.2020	(22) 18.12.2020
F16F 9/34	(22) 30.01.2020	(54) FALSE TOOTH FOR TOOTHED BELTS, SEMI-FINISHED WORKPIECE, TOOTHED BELT AND METHOD
F16F 9/348	(54) PENDULAR DAMPING DEVICE	(73) Vision Tech S.r.l.
F16F 9/50	(73) VALEO EMBRAYAGES	(72) RUBINO, Attilio
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(54) SELF-VARIABLE FORCE HYDRAULIC DAMPER	(51) F16F 15/14	(22) 16.01.2019
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Machinery&electronics Co., Ltd.	TRANSMISSION HOUSING WALLS	(73) KSB SE & Co. KGaA
(72) FEI, Jiayi	(73) Flender GmbH	(72) PITTROFF, Markus
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A01C 5/04	CONTACTING BUMPER FEATURE	(21) EP20217593.1
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EXTENDED RANGE OF MOTION,	B01D 46/00	F16K 31/04
TAP THEREWITH AND METHOD OF	B01D 35/00	F16K 31/50
OPERATION OF SAID TAP	B01D 45/16	F16C 17/08
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KIND, CONTROLLABLE VIBRATION	F16L 55/027	(51) F16K 37/00
DAMPER HAVING SUCH A CHECK	F16K 3/08	F16K 1/22
VALVE, AND MOTOR VEHICLE HAVING	F16K 3/02	F16K 31/04
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DAMPER OF THIS KIND	(21) EP16745419.8	(11) EP3942208
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F16K 3/12	RECOVERING A FLEXIBLE LINE IN A	F16L 55/035
F16K 3/32	BODY OF WATER AND ASSOCIATED	F16B 2/22
F16K 27/04	SYSTEM	(11) EP3680532
B22C 9/24	(73) TechnipFMC Subsea France	(21) EP19217594.1
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(11) EP3510310	(54) METHOD OF LAYING A PIPE BUNDLE	IN A WALL OR FLOOR ELEMENT
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METHOD	E21B 17/02	(21) EP18154246.5
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Rotteveel, Adrianus Theodorus	(87) GB2018050399	(72) Watermann, Markus
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(11) EP3906375	(73) Advanced Innergy Ltd	(51) F16L 5/02
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(47) 07.06.2023	VAN HINSBERGH, Greg	F16L 5/08
(87) EP2019087188	(31) 201702830	

F16L 5/14	(73) The Yokohama Rubber Co., Ltd.	(87) US2017058956
(11) EP2394086	(72) YUSA Ikuma	11.05.2018
(21) EP10738817.5	(31) 2017097088	(22) 30.10.2017
(47) 07.06.2023	(32) 16.05.2017	(54) PRESS FITTING DEVICE
(87) SE2010050122	(33) Japan	(73) Quick Fitting Holding Company, LLC
12.08.2010	(51) F16L 11/08	(72) CROMPTON, David B.
(22) 02.02.2010	F16L 33/01	DIAS, Libardo Ochoa
(54) ECCENTRIC PART OF A PIPE OR	G01M 5/00	BOUCHARD, Herbert J.
CABLE LEAD-THROUGH	(11) EP3732386	(31) 201615342276
(73) Roxtec AB	(21) EP18836266.9	(32) 03.11.2016
(72) ANDERSSON, Jens	(47) 07.06.2023	(33) United States of America
ERICSON, Mats	(87) EP2018097020	(51) F16L 17/04
FILIPSEN, Jenny	04.07.2019	(11) EP3885621
HILDINGSSON, Ulf	(22) 27.12.2018	(21) EP21170048.9
LUNDBORG, Christer	(54) CONNECTION TIP FOR A	(47) 07.06.2023
MILTON, Stefan	FLEXIBLE LINE, AND ASSOCIATED	(22) 19.01.2017
PETTERSSON, Ronnie	MANUFACTURING PROCESS AND	(54) COMBINATION COMPRISING A
ÅKESSON, Jörgen	MONITORING METHOD	COUPLING AND A PIPE ELEMENT
(31) 0950044	(73) Technip N-Power	HAVING WEDGING GROOVE
(32) 04.02.2009	(72) ROCHER MONNIER, Pierre	(73) Victaulic Company
(33) Sweden	BOURGET, Jean-Christophe	(72) MADARA, Scott D.
(51) F16L 9/127	CHAUDET, Guillaume	SHAH, Amit R.
F16L 25/10	LEMBEYE, Philippe	DOLE, Douglas R.
F16L 47/06	(31) 1763384	(31) 201662287015 P
F24F 13/02	(32) 29.12.2017	(32) 26.01.2016
(11) EP3740709	(33) France	(33) United States of America
(21) EP19702124.9	(51) F16L 11/24	(51) F16L 19/028
(47) 07.06.2023	F16L 55/165	(11) EP3885623
(87) IB2019050392	B29C 53/58	(21) EP21163264.1
25.07.2019	B32B 1/00	(47) 07.06.2023
(22) 17.01.2019	B32B 1/08	(22) 17.03.2021
(54) TUBE ELEMENT MADE OF EXPANDED	B32B 5/02	(54) A REVERSIBLE BRAKE TUBE
POLYMER	B32B 5/08	CONNECTOR
(73) Zehnder Group International AG	B32B 5/22	(73) Cooper-Standard Automotive, Inc.
Synprodo B.V.	B32B 5/24	(72) Stavros, Alexander John
(72) WESCHLE, Hans-Peter	B32B 5/26	(31) 202016830064
SEITER, Udo	B32B 27/06	(32) 25.03.2020
BÄDER, Stefanie	B32B 27/08	(33) United States of America
CAZEMIER, Marcel Abel	B32B 27/16	(51) F16L 21/00
(31) 2020285	B32B 27/32	F16L 21/08
(32) 17.01.2018	B32B 27/34	(11) EP3732387
(33) Netherlands	(11) EP3359858	(21) EP18849405.8
(51) F16L 11/04	(21) EP16741862.3	(47) 07.06.2023
F16L 11/20	(47) 07.06.2023	(87) IB2018060733
F16L 9/18	(87) EP2016001277	04.07.2019
B29D 23/00	13.04.2017	(22) 31.12.2018
(11) EP3265710	(22) 22.07.2016	(54) RESTRAINING PIPE COUPLING
(21) EP16759490.2	(54) LINER TUBE FOR SEWER	(73) FUCOLI-SOMEPAL FUNDIÇÃO DE
(47) 07.06.2023	REHABILITATION AND METHOD FOR	FERRO, S.A.
(87) US2016020675	PRODUCING SAME	(72) MIMOSO LEMOS, Carlos Manuel
09.09.2016	(73) Brandenburger Liner GmbH & Co. KG	(31) 2017110480
(22) 03.03.2016	(72) DUTTENHÖFER, Peter	(32) 31.12.2017
(54) COMPOSITE HOSE ASSEMBLY	(31) 102015013856	(33) Portugal
(73) Titeflex Commercial Inc.	102015012852	(51) F16L 21/03
(72) ROOKE, Gregory, P.	(32) 28.10.2015	F16L 37/091
CLEMENTE, Michael, C.	06.10.2015	F16L 37/092
(31) 201562127534 P	(33) Germany	(11) EP3677824
(32) 03.03.2015	Germany	(21) EP19840167.1
(33) United States of America	(51) F16L 17/00	(47) 07.06.2023
(51) F16L 11/08	F16L 17/02	(87) CN2019078365
D04C 1/06	F16L 33/16	30.01.2020
(11) EP3627026	F16J 15/06	(22) 15.03.2019
(21) EP18801633.1	F16L 21/02	(54) PIPE CONNECTOR STRUCTURE
(47) 07.06.2023	F16L 21/00	(73) Rifeng Enterprise (Foshan) Co., Ltd.
(87) JP2018011346	F16L 13/14	Rifeng Enterprise Group Co., Ltd.
22.11.2018	(11) EP3535513	Rifeng Technology Co., Ltd.
(22) 22.03.2018	(21) EP17866459.5	(72) LI, Ximin
(54) HIGH-PRESSURE HOSE	(47) 07.06.2023	LIN, Xiyong

DIAO, Zhenbin	(54) FLANGE PROFILE FOR CONNECTING	(11) EP4034793
CAO, Huijian	RECTANGULAR AIR DUCT ELEMENTS	(21) EP20838985.8
CHENG, Jiajia	(73) Gebhardt-Stahl GmbH	(47) 07.06.2023
CHEN, Ali	(72) Schweins, Meinolf	(87) EP2020087303
CHEN, Wenfeng	Brechlin, Lars	19.08.2021
LI, Xin	(31) 202020103933 U	(22) 18.12.2020
(31) 201920113972 U	(32) 07.07.2020	(54) HOSE COUPLING
201810812033	(33) Germany	(73) Neoperl GmbH
(32) 23.01.2019	(51) F16L 25/00	(72) KURY, Werner
23.07.2018	B64D 37/32	(31) 202020100810 U
(33) China	B64D 45/02	(32) 14.02.2020
China	F16L 25/01	(33) Germany
(51) F16L 21/035	F16L 25/02	(51) F16L 27/08
F16L 21/08	F16L 25/03	F16L 39/06
F24F 13/02	(11) EP3719372	B66C 1/68
F16L 25/00	(21) EP19386021.0	B66C 13/14
(11) EP3276238	(47) 07.06.2023	A01G 23/00
(21) EP17183813.9	(22) 02.04.2019	A01G 23/08
(47) 07.06.2023	(54) ELECTRICAL ISOLATOR	E02F 9/00
(22) 28.07.2017	(73) Crompton Technology Group Limited	E02F 9/22
(54) DUCT CONNECTOR AND METHOD	(72) Faulkner, Dale V. L.	(11) EP3640514
FOR SEALING DUCT COMPONENTS	Bernard, James William	(21) EP18201594.1
(73) Polypipe Limited	Pethick, Jon	(47) 07.06.2023
(72) REANEY, Matthew	Peacock, Paul	(22) 19.10.2018
(31) 201613060	Giannakopoulos, Ioannis	(54) HYDRAULIC JOINT AND HYDRAULIC
(32) 28.07.2016	(51) F16L 25/10	BOOM CRANE ASSEMBLY WITH A
(33) United Kingdom	F16L 47/24	HYDRAULIC JOINT
(51) F16L 21/04	F16L 51/00	(73) Deere & Company
F16L 21/08	F16L 37/04	(72) Sahoo, Ghanashyam
F16L 19/07	(11) EP3615856	Jokinen, Jarkko
F16L 19/08	(21) EP18721740.1	Chouthai, Shreyas
E03B 9/04	(47) 07.06.2023	(51) F16L 27/10
(11) EP3788286	(87) EP2018060869	F16L 55/10
(21) EP19796735.9	01.11.2018	B63B 27/24
(47) 07.06.2023	(22) 27.04.2018	F16L 27/02
(87) US2019028339	(54) SEALING COUPLING BETWEEN	F16L 27/12
07.11.2019	AT LEAST TWO PIPES OF AN	B63B 27/34
(22) 19.04.2019	ELECTROLYSIS SYSTEM THAT CAN	F16L 29/00
(54) GLAND	BE MOUNTED ON ONE ANOTHER,	F16L 29/04
(73) Mueller International, LLC	AND USE THEREOF	(11) EP3532760
(72) FURCOIU, Aurelian Ioan	(73) thyssenkrupp nucera AG & Co. KGaA	(21) EP17797107.4
(31) 201815966796	(72) KOLBE, Jörg	(47) 07.06.2023
(32) 30.04.2018	DONST, Dmitri	(87) EP2017077490
(33) United States of America	AUSTENFELD, Sebastian	03.05.2018
(51) F16L 21/08	TOROS, Peter	(22) 26.10.2017
F16L 19/08	(31) 102017207263	(54) COUPLING DEVICE TO CONNECT
F16L 37/092	(32) 28.04.2017	TWO LINES
B29C 45/14	(33) Germany	(73) Von Keitz, Andreas
B29C 45/00	(51) F16L 27/00	(72) Von Keitz, Andreas
(11) EP3794264	B08B 15/04	(31) 102016120446
(21) EP19723055.0	F16L 27/111	(32) 26.10.2016
(47) 07.06.2023	F16L 43/02	(33) Germany
(87) EP2019061507	(11) EP3420262	(51) F16L 27/111
21.11.2019	(21) EP17756920.9	F16L 51/02
(22) 06.05.2019	(47) 07.06.2023	(11) EP3812636
(54) CLAMPING RING	(87) SE2017050122	(21) EP20203937.6
(73) E. Hawle Armaturenwerke GmbH	31.08.2017	(47) 07.06.2023
(72) PLASS, Manuela	(22) 08.02.2017	(22) 26.10.2020
(31) 504092018	(54) PIPE SYSTEM WITH LOCKABLE	(54) PIPE COMPENSATOR
(32) 16.05.2018	FRICTION JOINT FOR ADJUSTMENT	(73) KRONES AG
(33) Austria	OF RELATIVE PIVOTAL POSITIONING	(72) Leidel, Marco
(51) F16L 23/14	OF PIPE SECTIONS	Kolter, Nick
F24F 13/02	(73) FUMEX AB	(31) 102019128740
(11) EP3936750	(72) STENBERG, Gustav	(32) 24.10.2019
(21) EP21181549.3	(31) 1650232	(33) Germany
(47) 07.06.2023	(32) 23.02.2016	(51) F16L 33/207
(22) 24.06.2021	(33) Sweden	F16L 13/14
	(51) F16L 27/04	(11) EP3816495

(21) EP20203202.5	F16L 37/098	(54) A SYSTEM OF A CABLE, CABLE LUG AND HOSE FOR RESTRAINING SAID HOSE
(47) 07.06.2023	F16L 37/107	(73) Barnini, Francesca
(22) 22.10.2020	F16L 37/113	(72) BARNINI, Franco Riccardo
(54) PRESS FITTING	(11) EP3565997	(31) 201900002610 U
(73) Fränkische Rohrwerke Gebr. Kirchner GmbH + Co KG	(21) EP18700263.9	(32) 30.07.2019
(72) FRETER, Ludwig	(47) 07.06.2023	(33) Italy
MATTOLAT, Willi	(87) EP2018050078	
WELSCH, Thomas	12.07.2018	
VESTER, Lars	(22) 02.01.2018	(51) F16L 55/105
(31) 102019216828	(54) VEHICLE BREAKING VALVE WITH A TUBE SECURED TO A PORT	F16L 55/16
(32) 31.10.2019	(73) Haldex Brake Products AB	F16L 55/17
(33) Germany	(72) MELLINGS, Carl	F16L 55/179
	(31) 201700230	B29C 45/00
(51) F16L 37/084	(32) 06.01.2017	F16K 3/02
F16L 25/12	(33) United Kingdom	F16K 27/04
F16L 25/06		(11) EP3767149
F16L 17/06	(51) F16L 37/14	(21) EP20182080.0
F16L 37/092	(11) EP3431852	(47) 07.06.2023
(11) EP3636976	(21) EP17382481.4	(22) 24.06.2020
(21) EP17913001.8	(47) 07.06.2023	(54) PIPE REPAIR DEVICE
(47) 07.06.2023	(22) 20.07.2017	(73) Sundrla, Thad Paul
(87) KR2017014319	(54) FEMALE CONNECTOR OF A PLUG-IN CONNECTOR	(72) Sundrla, Thad Paul
13.12.2018	(73) Matz Erreka, S. Coop.	(31) 201916457218
(22) 07.12.2017	(72) LIZARRALDE ITURBE, Juan Cruz	(32) 28.06.2019
(54) PIPE COUPLER HAVING FUNCTION OF COVERING PIPE	ITURRIOZ SOTO, Naroa	(33) United States of America
(73) Kim, Byungsub	(51) F16L 39/04	(51) F16L 55/105
(72) Kim, Byungsub	F16L 47/18	G01M 3/02
(31) 20170072397	(11) EP3884199	F16K 3/18
(32) 09.06.2017	(21) EP19818256.0	F16K 37/00
(33) Korea (Republic)	(47) 07.06.2023	(11) EP3987214
	(87) IB2019059894	(21) EP20732228.0
(51) F16L 37/088	28.05.2020	(47) 07.06.2023
(11) EP3096063	(22) 18.11.2019	(87) EP2020066574
(21) EP14876909.4	(54) MULTIPATH FLUIDIC ROTARY DISTRIBUTOR	24.12.2020
(47) 07.06.2023	(73) Ala Officine S.p.A.	(22) 16.06.2020
(87) CL2014000083	(72) SEGNA, Simone	(54) APPARATUS FOR CONDUCTING A HYDRAULIC PROOF TEST
09.07.2015	ZUIN, Paolo	(73) Electricité de France
(22) 19.12.2014	RAMORINO, Giorgio	(72) FRENEAU, Coralie
(54) ASSEMBLY COMPRISING A QUICK-COUPLING DEVICE AND A THERMAL LANCE	(31) 201800010474	HOUSSAY, Fabien
(73) Trefimet S.A.	(32) 21.11.2018	BARANGER, Rudolph
(72) PEÑA ASTORGA, Victor	(33) Italy	TABUTIN, Axel
(31) 2013003811		SORIANO, Laurent
(32) 31.12.2013	(51) F16L 53/38	OLLIVIER, Antoine
(33) Chile	F16L 59/14	(31) 1906744
	H05B 3/56	(32) 21.06.2019
(51) F16L 37/10	H02G 3/30	(33) France
(11) EP3942212	H02G 15/105	
(21) EP20710498.5	(11) EP3819530	(51) F16L 55/11
(47) 07.06.2023	(21) EP19207644.6	(11) EP4063706
(87) EP2020056329	(47) 07.06.2023	(21) EP21164595.7
24.09.2020	(22) 07.11.2019	(47) 07.06.2023
(22) 10.03.2020	(54) PIPELINE ELECTRIC HEATING SYSTEM	(22) 24.03.2021
(54) FITTING HAVING BLOCKING RING FOR PERMANENTLY CONNECTING TO AT LEAST ONE TUBE	(73) GammaSwiss SA	(54) PLUG FOR A PRESSURELESS LINE, IN PARTICULAR A HYDRAULIC LINE
(73) Viega Technology GmbH & Co. KG	(72) Strupinskiy, Michael	(73) Mayrhofer Erdbewegungen GmbH
(72) DÜPERTHAL, Fabian	(51) F16L 55/00	(72) Mayrhofer, Josef
ROCKSLOH, Stefan	H01R 4/02	
SCHNEIDER, Andreas	H01R 4/18	(51) F16L 55/11
SCHMITT, Detlev	F16L 35/00	B25H 7/00
SINOPLU, Sudi	F16G 11/02	B25H 7/04
HÜTTE, Andreas	F16G 11/14	(11) EP3879162
(31) 102019107130	B23K 9/167	(21) EP20162686.8
(32) 20.03.2019	B23K 101/32	(47) 07.06.2023
(33) Germany	(11) EP3771857	(22) 12.03.2020
	(21) EP20188789.0	(54) SEALING STOPPER
(51) F16L 37/133	(47) 07.06.2023	(73) Geberit International AG
B60T 17/04	(22) 30.07.2020	(72) RÖST, Andreas
		(51) F16L 55/134

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A47K 11/10	(54) IN-PIPE ROBOT	(87) AT2019050006
E03D 9/00	(73) Shonan Gosei-Jushi Seisakusho K.K.	08.08.2019
G01L 19/00	(72) TAKASHIMA, Michihito	(22) 17.01.2019
(11) EP3449166	KAMIYAMA, Takao	(54) PLUG CONNECTION BETWEEN TWO
(21) EP17720109.2	OGURA, Kazuaki	TUBULAR WORKPIECES MADE OF
(47) 07.06.2023	MAKUUCHI, Hiroyuki	CONCRETE, EACH WORKPIECE
(87) EP2017060021	(31) 2018136335	HAVING AN INNER LINER MADE OF
02.11.2017	2018089132	PLASTIC
(22) 27.04.2017	(32) 20.07.2018	(73) Schlüsselbauer, Ulrich
(54) PIPE PLUG FOR BLOCKING LIQUID	07.05.2018	(72) Schlüsselbauer, Ulrich
FLOW IN A PIPELINE	(33) Japan	(31) 501052018
(73) Smartwatch Invest ApS	Japan	(32) 05.02.2018
(72) THYKJÆR, Trygve	(51) F16L 55/46	(33) Austria
(31) 201670260	(11) EP3730829	(51) F16L 59/02
(32) 27.04.2016	(21) EP20171604.0	F24F 13/02
(33) Denmark	(47) 07.06.2023	(11) EP3411619
(51) F16L 55/163	(22) 27.04.2020	(21) EP17702090.6
(11) EP3812639	(54) AUTOMATIC CLEANING PIG	(47) 07.06.2023
(21) EP20193652.3	LAUNCHER FOR WASTEWATER	(87) EP2017051910
(47) 07.06.2023	PIPELINES	10.08.2017
(22) 31.08.2020	(73) Svendborg Motorværksted Aps	(22) 30.01.2017
(54) INTERIOR SEALING SYSTEM FOR	(72) POULSEN, Kim	(54) MAT SHAPED INSULATION MATERIAL
PIPELINES	KIRKEBY, Aksel	ELEMENT, PACKAGING FOR THE
(73) Amex Sanivar AG	(31) PA201900493	INSULATION MATERIAL ELEMENTS
(72) Vollenbroich, Maximilian	(32) 26.04.2019	AND METHOD FOR PRODUCING THE
Helfgen, Darwin	(33) Denmark	PACKAGING
(31) 102019128835	(51) F16L 57/00	(73) SAINT-GOBAIN ISOVER
(32) 25.10.2019	F16L 57/02	(72) SCHULZ, Christian
(33) Germany	F16L 19/02	(31) 102016101953
(51) F16L 55/165	F16L 33/30	(32) 04.02.2016
C08J 5/24	F16L 27/08	(33) Germany
(11) EP2823212	F16L 35/00	(51) F16L 59/16
(21) EP12818881.0	B60D 1/62	F16L 25/00
(47) 07.06.2023	B60T 17/04	(11) EP3931482
(87) EP2012005282	(11) EP3408577	(21) EP20715478.2
12.09.2013	(21) EP17708603.0	(47) 07.06.2023
(22) 20.12.2012	(47) 07.06.2023	(87) IS2020050006
(54) RESIN-IMPREGNATED FIBRE TUBE	(87) US2017015108	03.09.2020
FOR THE INNER LINING OF DUCTS	03.08.2017	(22) 27.02.2020
AND PIPELINES	(22) 26.01.2017	(54) PIPE CONNECTOR
(73) Brandenburger Liner GmbH & Co. KG	(54) IMPROVED SWIVEL COUPLING AND	(73) SET EHF.
(72) KINZEBACH, Rüdiger	HOSE ASSEMBLY AND KIT UTILIZING	(72) GUDNASON, Robert Karel
(31) 102012004422	THE SAME	EINARSSON, Orn
(32) 08.03.2012	(73) Tectran MFG. Inc.	(31) 50255
(33) Germany	(72) CAPRIO, Kenneth M.	(32) 28.02.2019
(51) F16L 55/172	BADHORN, Edward H.	(33) Iceland
F16L 9/22	(31) 201615233006	(51) F16M 1/00
(11) EP3511604	201662287420 P	F02B 63/04
(21) EP19151890.1	(32) 10.08.2016	(11) EP3542038
(47) 07.06.2023	26.01.2016	(21) EP17811386.6
(22) 15.01.2019	(33) United States of America	(47) 07.06.2023
(54) MODULAR SPLIT SLEEVE	United States of America	(87) IB2017057236
(73) The Pipe Line Development Company	(51) F16L 57/02	24.05.2018
(72) TUCK, Jerry	(11) EP3564569	(22) 17.11.2017
LOUDEN, Aaron Z	(21) EP18305554.0	(54) GENERATOR SET INTEGRATED
BEARD, Glenn	(47) 07.06.2023	GEARBOX
(31) 201815872262	(22) 03.05.2018	(73) Cummins Power Generation Limited
(32) 16.01.2018	(54) BENDING RESTRICTOR	(72) JOHNSON, Paul D.
(33) United States of America	(73) Nexans	LOBSIGER, Kent A.
(51) F16L 55/44	(72) GRONVOLD, Eirik	CHEAH, Sze Kwan
F16L 55/32	(51) F16L 58/10	AMIN, Tejaskumar Rajendrakumar
F16L 55/40	F16L 58/18	GOLECZKA, Peter Andrew
(11) EP3792544	F16L 9/08	(31) 201615355793
(21) EP19799497.3	F16L 25/00	(32) 18.11.2016
(47) 07.06.2023	E03F 3/04	(33) United States of America
(87) JP2019011746	(11) EP3749888	(51) F16M 11/04
14.11.2019	(21) EP19701954.0	F16M 13/02

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B60R 11/02	F16N 21/04	B27G 19/02
B62J 11/00	F16L 37/00	(11) EP3403790
B60R 11/00	F16L 37/23	(21) EP18173167.0
B62J 50/21	F16L 37/42	(47) 07.06.2023
H04M 1/04	(11) EP3825596	(22) 18.05.2018
H04B 1/3888	(21) EP20000422.4	(54) SAFETY DEVICE FOR A FORMATTING
(11) EP3532763	(47) 07.06.2023	CIRCULAR SAW AND METHOD OF
(21) EP17804658.7	(22) 23.11.2020	USING A FORMATTING CIRCULAR
(47) 07.06.2023	(54) LUBRICATING NIPPLE AND COUPLING	SAW
(87) IB2017056658	FOR SUCH A NIPPLE	(73) Altendorf GmbH
03.05.2018	(73) Drehmatec GmbH	(72) ALTENDORF, WILFRIED
(22) 26.10.2017	(72) Firat, Sedat	(31) 202017103019 U
(54) SUPPORT APPARATUS FOR	(31) 102019131619	(32) 18.05.2017
PORTABLE COMMUNICATION	(32) 22.11.2019	(33) Germany
DEVICES ABLE TO BE APPLIED ON A	(33) Germany	<hr/>
MOTORCYCLE	(51) F16N 39/00	(51) F16P 3/14
(73) Givi S.p.A.	F01D 25/18	G01V 8/20
(72) VISENZI, Giuseppe	F01D 25/20	(11) EP3767152
(31) 201600109297	F02C 7/06	(21) EP20182864.7
(32) 28.10.2016	F02C 7/32	(47) 07.06.2023
(33) Italy	B01D 19/00	(22) 29.06.2020
<hr/>	B01D 45/14	(54) SECURING DEVICE FOR A MACHINE
(51) F16M 11/10	B04B 1/00	AND METHOD FOR OPERATING A
F16M 11/18	B04B 5/00	SECURING DEVICE
F16F 9/12	B04B 5/04	(73) Q-tec Prüfgeräte GmbH
G03B 17/56	B04B 5/08	(72) ROTHENAICHER, Otto
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(33) Austria	<hr/>	(73) SICK AG
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F16M 11/24	(21) EP16747748.8	Neumann, Thomas
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(54) BALANCING ARM WITH FRICTION	SNAPPED IN	(54) GAS STORAGE
HINGE	(73) Arno Arnold GmbH	(73) AGROTEL GmbH
(73) Vlaar Innovations B.V.	(72) ROEHNERT, Maximilian	(72) LANER, Cyriak
(72) VLAAR, Erik Jacobus	MANG, Wolf-Matthias	<hr/>
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(21) EP17176617.3	(22) 27.09.2017	(73) L'AIR LIQUIDE, SOCIETE ANONYME
(47) 07.06.2023	(54) TRIGGER LOCKOUT WITH	POUR L'ETUDE ET L'EXPLOITATION
(22) 19.06.2017	DISSIMILAR ACTIONS	DES PROCEDES GEORGES CLAUDE
(54) GREASE LUBRICATOR	(73) Globe (Jiangsu) Co., Ltd.	(72) BUCK, Marcus
(73) Danhydra A/S	(72) AGNE, Ola	WERLEN, Etienne
(72) Hove, Thomas	LENNINGS, Eric	<hr/>
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(54) DEVICE AND METHOD FOR FILLING WITH LIQUEFIED GAS	DEVILLIERS, Clemence	(51) F17C 13/04
(73) L'Air Liquide, société anonyme pour l'Étude et l'Exploitation des procédés Georges Claude	(31) 2010622	(11) EP3942221
(72) PENNEC, Yann	(32) 16.10.2020	(21) EP20725886.4
PETITPAS, Guillaume	(33) France	(47) 07.06.2023
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(32) 05.08.2020	F17C 13/00	24.09.2020
(33) France	(11) EP3604892	(22) 12.03.2020
(51) F17C 5/06	(21) EP18306045.8	(54) DEVICE AND METHOD FOR STORING AND FOR SUPPLYING FLUID FUEL
(11) EP2788668	(47) 07.06.2023	(73) L'Air Liquide, société anonyme pour l'Étude et l'Exploitation des procédés Georges Claude
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(47) 07.06.2023	(54) DEVICE AND PROCESS FOR REFUELLING CONTAINERS WITH PRESSURIZED GAS	BRAVAIS, Patrick
(87) EP2011071802	(73) L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	SANGLAN, Patrick
13.06.2013	(31) 1902922	(31) 1902922
(22) 05.12.2011	(72) BUCK, Marcus	(32) 21.03.2019
(54) SYSTEM AND METHOD FOR LOADING, STORING AND OFFLOADING NATURAL GAS FROM SHIPS	WERLEN, Etienne	(33) France
(73) Blue Wave Co S.A.	(51) F17C 7/02	(51) F17C 13/08
(72) NETTIS, Francesco	F17C 13/02	(11) EP3688366
HAWKINS, Darrell	(11) EP3719383	(21) EP18779888.9
LENA, Christian	(21) EP20170207.3	(47) 07.06.2023
NISO, Gianfranco	(47) 07.06.2023	(87) US2018050148
TOMASELLI, Vanni, Neri	(22) 04.04.2013	04.04.2019
VIGNA, Giorgio	(54) PUMPLESS FLUID DISPENSER	(22) 10.09.2018
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(54) LEVER VALVE WITH SECURING HOOK	United States of America	(11) EP3807568
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(72) SELLEN, Stephan	F28D 7/10	(47) 07.06.2023
BARTHELEMY, Georges	F17C 7/04	(87) FR2019051468
SCHMITZ, Philippe	F28D 1/04	19.12.2019
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(33) Luxembourg	F28F 1/40	(73) GRTgaz
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(11) EP3892911	F28F 21/08	VULOVIC, Frédéric
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(54) DEVICE AND METHOD FOR FILLING PRESSURISED GAS TANKS	(87) IB2018001442	(33) France
(73) L'Air Liquide, société anonyme pour l'Étude et l'Exploitation des procédés Georges Claude	23.05.2019	(51) F21L 4/08
(72) ALLIDIÈRES, Laurent	(22) 15.11.2018	F21L 2/00
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(54) DEVICE AND METHOD FOR FILLING PRESSURISED GAS TANKS	(21) EP20159307.6	(47) 07.06.2023
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(72) TM Norway AS	(22) 25.02.2020	(54) REMOVABLE LIGHTING DEVICE, SET OF SUCH DEVICES AND CORRESPONDING LIGHTING INSTALLATION
(72) Rahbæk, Thyge Nyborg	(54) SYSTEM, MEDICAL GAS FILLER ADAPTER AND ACTIVATION SHAFT FOR USE IN SUCH A SYSTEM	(73) Potemine, Iliia
(31) PA201970117	(73) TM Norway AS	(72) Potemine, Iliia
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(73) ForeLight, Inc.	(72) ERDL, Helmut	(32) 18.03.2021
(72) FLYNN, Adam	HANAFI, Abdelmalek	(33) Germany
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(54) ILLUMINATED SIGN HAVING AN ELECTRICAL CABLE WITH A VERTICAL STRUCTURE	(21) EP17862109.0	(73) CLAY PAKY S.p.A.
(73) Kaiwen Consulting	(47) 07.06.2023	(72) ANGELINI, Mr. Marco
(72) SARELS, Kevin	(87) JP2017036231	FRISON, Mr. Renato
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QUAAL, Bruce	F21V 17/10	(72) AIETA, Francesco
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B32B 15/18	ALLEN, Gary, Robert	B63B 45/04
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Huska, Andrew P.	(11) EP3531016	(21) EP18848610.4
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(72) FREDERIKSEN, Lars	(11) EP3715712	(72) NØRGAARD JENSEN, Tom
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(73) Bergstrom, Inc.	(72) McMasters, Mark W.	(31) 201900021534
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SYSTEM AND SNOW PRODUCTION	REFRIGERATOR	MANUFACTURE THEREOF
METHOD	(73) Qingdao Haier Co., Ltd.	(73) Probalco BVBA
(73) NIVIS GmbH - Srl	(72) ZHANG, Kui	(72) REDJAL, Karim
(72) HOFER, Heinrich	ZHU, Xiaobing	SPELEERS, Pol
SPÖGLER, Armin	ZHANG, Yanqing	(31) 201605527
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(73) Innosnow AB	(22) 31.07.2019	AND A DOOR MODULE FOR SUCH AN
(72) HEDIN, Fredrik	(54) A COOLING APPLIANCE HAVING	APPARATUS
HOFFMANN, Johan	AN ANTI-STICKING ICE STORAGE	(73) HCP Innovation APS
(51) F25C 5/02	MECHANISM	(72) PAUL, Hans-Christoph
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(54) REFRIGERATOR ICEMAKING SYSTEM	(11) EP4007879	(54) COOLING APPARATUS AND METHOD
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(73) Midea Group Co., Ltd.	(87) EP2020071157	(31) 20175568
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(33) United States of America	(73) Reboul, Claude	F25D 3/00
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(54) COOLING SYSTEM WITH TEMPERATURE-MAINTAINING CONTAINER AND REFRIGERATION UNIT	(73) Haier Smart Home Co., Ltd.	(54) REFRIGERATOR APPLIANCE
(73) Solfridge GmbH & Co. KG	(72) FEI, Bin	(73) Whirlpool Corporation
(72) KROPF, Marina	CHENG, Xueli	(72) Kumar, Amit
KROPF, Maximilian	LI, Dengqiang	Kute, Anil Ananda
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(32) 13.07.2018	ZHANG, Kui	Patil, Vishal Jaywantrao
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(21) EP20713034.5	(54) SYSTEM AND METHOD FOR	F28D 1/02
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CHAUCHERIE, Xavier	JANG, Kil-Bong	PASS HEAT EXCHANGER AND
KOWALSKI, Damien	SON, Sang-Han	METHOD FOR OPERATING A HEAT
MIGUET, Christophe	BAE, Ho-Moon	EXCHANGER ASSEMBLY
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(72) ROY, Richard	G01B 3/56	FRANKEL, Joseph George
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(73) Safran Electronics & Defense	G06Q 50/06	INSTALLING SAME
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HOUSING PROFILE FOR SUCH A WIM	DELIVERING OPTIMISED MEALS TO	(72) Bellera, Jacques
FORCE TRANSDUCER	PATIENTS	Hellio, Patrick
(73) Kistler Holding AG	(73) Blunergy SA	Queiras, Nicolas
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(33) Germany	(73) Li.plus GmbH	(73) Kashiramoto, Yorikazu
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CHANG, Hsun-Hsien	B64D 31/06	KAMEYAMA, Naoki
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MONKMAN, George Sean	BALANCING MASS FLOW DURING	Kim, Young Woon
FORGERON, Dean Paul	PRODUCTION FAILURE OR	Lee, Jung Min
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BROWN, Joshua Jeremy	HEATING NETWORK	Kim, Dong Hwan
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AND APPARATUS THEREFOR	PREDICTIONS BY A KEYBOARD	(31) 201610911405
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(72) Yoon, Sung-Jin	(72) KONG, Nicholas Chi-Yuen	(33) China
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(32) 01.04.2013	GREENBERG, Alexa	G06F 9/455
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(21) EP18199630.7	(51) G06F 3/0488	(22) 04.01.2018
(47) 07.06.2023	H04N 5/232	(54) METHOD FOR CREATING A DATA
(22) 10.10.2018	G06F 3/0354	BACKUP OF A VIRTUALIZATION
(54) SCANNING DEVICE WITH IMPROVED	G06F 3/042	AUTOMATION SOLUTION,
EFFICIENCY AND HOUSEHOLD	(11) EP3731079	COMPUTER PROGRAM WITH AN
APPLIANCE COMPRISING SAID	(21) EP20171245.2	IMPLEMENTATION OF THE METHOD
SCANNING DEVICE	(47) 07.06.2023	AND VIRTUALIZATION SERVER
(73) Robert Bosch GmbH	(22) 24.04.2020	OPERATING ACCORDING TO THE
(72) Sagoo, Kiran Pal	(54) ELECTRONIC DEVICE, CONTROL	PROCESS
Tauber, Matthias	METHOD OF ELECTRONIC DEVICE,	(73) Siemens Aktiengesellschaft
(51) G06F 3/0488	PROGRAM, AND COMPUTER-	(72) SCHÜTZ, Andreas
G06F 3/0482	READABLE STORAGE MEDIUM	(31) 17153054
G06F 3/0484	(73) CANON KABUSHIKI KAISHA	(32) 25.01.2017
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G06F 11/10	G06V 20/20	(21) EP15703274.9
(11) EP3598289	G06F 3/03	(47) 07.06.2023
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20.09.2018	(87) CN2018108066	(54) RADIX SORT METHOD FOR
(22) 16.03.2018	02.04.2020	DISCOVERING MULTIPLE INSTANCES
(54) DATA STORAGE, DISTRIBUTION,	(22) 27.09.2018	OF RECURRING VALUES WITHIN A
RECONSTRUCTION AND RECOVERY	(54) METHOD, APPARATUS, AND SYSTEM	VECTOR AND CORRESPONDING
METHODS AND DEVICES, AND DATA	FOR IDENTIFYING DEVICE, STORAGE	COMPUTING DEVICE AND
PROCESSING SYSTEM	MEDIUM, PROCESSOR, AND	COMPUTER PROGRAM PRODUCT
(73) Hangzhou Hikvision Digital Technology	TERMINAL	(73) Barcelona Supercomputing Center-
Co., Ltd.	(73) Siemens Aktiengesellschaft	Centro Nacional de Supercomputación
(72) YE, Min	(72) XU, Weifeng	(72) HAYES, Thomas
LIN, Peng	(51) G06F 3/16	PALOMAR PÉREZ, Oscar
WANG, Weichun	G10L 15/22	UNSAI, Osman
LIN, Qiqian	H04M 3/493	CRISTAL KESTELMAN, Adrian
(31) 201710162001	G10L 15/30	VALERO CORTÉS, Mateo
(32) 17.03.2017	G06F 16/332	(51) G06F 7/483
(33) China	H04M 1/724	G06F 7/499
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H04L 12/40	(21) EP14876420.2	(11) EP3786780
H04L 12/64	(47) 07.06.2023	(21) EP20181387.0
B60K 35/00	(87) JP2014084044	(47) 07.06.2023
G11B 27/00	09.07.2015	(22) 22.06.2020
H04N 5/775	(22) 24.12.2014	(54) SYSTEM TO PERFORM UNARY
H04N 7/10	(54) TERMINAL DEVICE, PROGRAM, AND	FUNCTIONS USING RANGE-SPECIFIC
H04N 7/173	SERVER DEVICE FOR PROVIDING	COEFFICIENT SETS
H04N 19/44	INFORMATION ACCORDING TO USER	(73) INTEL Corporation
G11B 20/10	DATA INPUT	(72) Hickmann, Brian J.
G11B 20/00	(73) NTT DOCOMO, INC.	Garegrat, Nitin N.
(11) EP3454200	(72) KURISU, Toshiharu	Urbanski, Maciej
(21) EP18202351.5	TSUGE, Yuki	Rotzin, Michael
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(22) 17.11.2006	(32) 06.01.2014	(32) 30.08.2019
(54) APPARATUS AND METHOD FOR	(33) Japan	(33) United States of America
INTERFACING BETWEEN A/V SYSTEM	(51) G06F 3/16	(51) G06F 7/544
AND PORTABLE DEVICE	H04L 69/18	(11) EP3789871
(73) Samsung Electronics Co., Ltd.	H04L 12/28	(21) EP20203232.2
(72) SEO, Min-cheol	H04W 4/02	(47) 07.06.2023
KANG, Tai-ryong	(11) EP3474131	(22) 26.12.2018
SONG, Kyung-soon	(21) EP18199033.4	(54) INTEGRATED CIRCUIT CHIP DEVICE
NAM, You-jin	(47) 07.06.2023	(73) Cambricon Technologies Corporation
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20050113491	INTERNET-OF-THINGS DEVICES AND	SONG, Xinkai
(32) 01.06.2006	RELATED SYSTEMS	WANG, Bingrui
25.11.2005	(73) Libre Wireless Technologies, Inc.	ZHANG, Yao
25.11.2005	(72) Kashef, Hooman	HU, Shuai
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CONTROL METHOD FOR THE SAME	(54) AUDIO SCENE PROCESSING	28.12.2017
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(72) LIN, Zhi	(72) ERONEN, Antti	28.12.2017
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(33) Japan	LEHTINIEMI, Arto	(33) China
(51) G06F 3/14	(51) G06F 7/24	China
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China	(11) EP3314409	(72) JAYARAMAN, Sundar Prasad
(51) G06F 7/544	(21) EP16735610.4	KABBINALE, Ravindra
G06F 7/483	(47) 07.06.2023	NAGARAJU, Suhas
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G06N 3/08	(54) TRACING DEPENDENCIES BETWEEN	SINGATALUR, Sanjay
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(11) EP3974959	SOFTWARE DEVELOPMENT PROJECT	KULKARNI, Aditi
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(47) 07.06.2023	(72) GRAF, Andreas	VIJAYARAGHAVAN, Koushik M.
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(72) Bruestle, Jeremy	G06F 8/38	G06F 8/10
Ng, Choong	G06F 8/36	G06F 3/01
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(21) EP19382318.4	APPLICATION DEVELOPMENT	WITH EASE-OF-USE FEATURES
(47) 07.06.2023	(73) Stachura, Thomas	(73) Microsoft Technology Licensing, LLC
(22) 26.04.2019	(72) Stachura, Thomas	(72) KUMAR, Prashant
(54) COMPACT DIGITIZATION SYSTEM	(31) 201715829979	TWIST, Jonjo
FOR GENERATING RANDOM	(32) 03.12.2017	SICILIANO, Stephen C.
NUMBERS	(33) United States of America	AGRAWAL, Himanshu
(73) Quside Technologies S.L.	(51) G06F 8/30	SHRESTHA, Prabir K.
(72) ABELLAN, Carlos	G06F 9/48	SHYAMSUNDAR, Balasubramanian
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MARTINEZ, José	G06F 16/2455	(32) 21.06.2016
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DISTRIBUTION FUNCTION FROM A	DATA STREAM PROCESSING USING	(21) EP17745267.9
SIGNAL	MASSIVELY PARALLEL PROCESSORS	(47) 07.06.2023
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(51) G06F 7/58	Santos	COMPUTER PROGRAMS AND
(11) EP3859520	SIMÕES FERREIRA, Ricardo José	A METHOD FOR GENERATING
(21) EP20382048.5	PEREIRA DA PUREZA, Luis Filipe Da	COMPUTER PROGRAMS
(47) 07.06.2023	Silva	(73) BECREO TECHNOLOGIES Sp. z o.o.
(22) 28.01.2020	(31) 10517410	(72) Kurowski, Krzysztof
(54) COMPUTER-IMPLEMENTED METHOD	(32) 26.06.2010	Ludwiczak, Bogdan
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NUMBER IS LARGER OR SMALLER	(51) G06F 8/30	Michalski, Marcin
THAN A GIVEN THRESHOLD	G06N 20/00	Karwasinski, Zbigniew
(73) Quside Technologies S.L.	(11) EP3789873	Dziedziniewicz, Michal
Fundació Institut de Ciències Fotòniques	(21) EP20193081.5	Malinowski, Lukasz
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	SOFTWARE DEVELOPMENT AND	G06F 9/451

G06F 9/445	(73) Top Victory Investments Limited	RUBANOVICH, Simon
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(73) Quadient Group AG	(54) METHOD AND DEVICE FOR	(54) SYSTEMS, APPARATUSSES, AND
(72) KNOULICH, Jan	UPDATING CLIENT	METHODS FOR GENERATING
GHIO, Laurent	(73) Advanced New Technologies Co., Ltd.	AN INDEX BY SORT ORDER AND
HEMON-LAURENS, Antoine	(72) FENG, Zhaolin	REORDERING ELEMENTS BASED ON
DRAEGER, Scott	LIU, Zhongsheng	SORT ORDER
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(22) 12.11.2014	KEEPING DEVICES ATTACHED TO	G06F 7/527
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ON SPREADSHEETS	(73) Microsoft Technology Licensing, LLC	G06F 9/30
(73) CERESO SANCHEZ, David	(72) BROAS, Kevin Michael	G06N 3/063
(72) CERESO SANCHEZ, David	HEPKIN, David Alan	G06F 7/544
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(22) 22.07.2020	(51) G06F 8/70	METHOD, CHIP, AND ELECTRONIC
(54) COMPUTER SYSTEM AND METHOD	(11) EP3679471	APPARATUS
FOR VALIDATION OF PARALLELIZED	(21) EP18743632.4	(73) Shanghai Cambricon Information
COMPUTER PROGRAMS	(47) 07.06.2023	Technology Co., Ltd
(73) emmtrix Technologies GmbH	(87) US2018038867	(72) CHEN, Tianshi
(72) Stripf, Timo	14.03.2019	GUO, Qi
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(22) 22.01.2018	(54) USING FUZZY-JBIT LOCATION	(11) EP3568754
(54) METHOD AND SYSTEM FOR	OF FLOATING-POINT MULTIPLY-	(21) EP18700201.9
UPDATING A SOFTWARE PROGRAM	ACCUMULATE RESULTS	(47) 07.06.2023
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DEVICE	(72) GRADSTEIN, Amit	19.07.2018

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(73) International Business Machines Corporation	(51) G06F 9/451	(21) EP18752253.7
(72) GIAMEI, Bruce, Conrad	G06F 40/58	(47) 07.06.2023
JACOBI, Christian	(11) EP3441887	(87) IB2018054465
SHUM, Chung-Lung	(21) EP16897834.4	31.01.2019
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(72) HORNUNG, Armin	(22) 13.01.2017	(22) 18.04.2018
MAIER, Matthias	(54) SYSTEM AND METHOD FOR CONDITIONAL CALL PATH MONITORING IN A DISTRIBUTED TRANSACTIONAL MIDDLEWARE ENVIRONMENT	(54) ADAPTER FOR THE CONNECTION OF AN EMBEDDED SYSTEM WITH A CONTROL COMPUTER AND METHOD OF ADAPTING AN ADAPTER
SCHOLL, Adrian	(73) Oracle International Corporation	(73) dSPACE GmbH
WERNER, Bernhard	(72) LI, Jared	(72) DRESSLER, Marc
(51) G06F 9/445	ZHU, Sheng	SANDER, Thomas
G06F 9/455	GUO, Chris	MENKE, Günter
G06F 8/36	LUAN, Bingbing	(31) 17168710
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G06N 20/00	(51) G06F 9/46	(51) G06F 9/54
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(54) CONTROLLER FOR A VEHICLE, SYSTEM, METHOD, AND MOTOR VEHICLE COMPRISING SUCH A CONTROLLER	08.05.2014	27.07.2017
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(72) HANRIEDER, Sebastian	(54) SYSTEM AND METHOD FOR PROVISIONING AND MANAGING AN ELASTIC COMPUTING INFRASTRUCTURE	(54) METHOD AND AN APPARATUS FOR PROVIDING A MULTITASKING VIEW
HASELBECK, Florian	(73) Sea Street Technologies Inc.	(73) Microsoft Technology Licensing, LLC
POPPINGA, Benjamin	(72) WEBER, John	(72) RAINISTO, Roope
SCHLITTENBAUER, Michael	STOWELL, Harley, L.	(31) 201614997996
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(51) G06F 9/445	(21) EP18214016.0	(11) EP3933590
G06F 9/50	(47) 07.06.2023	(21) EP20183569.1
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(47) 07.06.2023	(72) POPE, Steve	(73) Hadean Supercomputing Ltd
(87) US2015051986	KITARIEV, Dmitri	(72) MANSOOR, Rashid Mohamed
30.03.2017	ROBERTS, Derek	KAY, James
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(54) PROCESS AND THREAD LAUNCH FEATURES	(32) 19.12.2017	RUSSEL, Francis
(73) Hewlett Packard Enterprise Development LP	(33) United States of America	GORDON, Patrick
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(73) Ziath Ltd	Buescher, Kevin Scott	(51) G06K 15/02
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(33) United Kingdom	(51) G06K 7/14	(21) EP19706150.0
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(54) MACHINERY AND PROCESS FOR	(73) Saint-Gobain Glass France	(73) HEWLETT-PACKARD DEVELOPMENT
SCANNING A SLAB OF ROCK	(72) LAUDEREAU, Jean-Baptiste	COMPANY, L.P.
MATERIAL	NIER, Vincent	(72) ROSSI, John
(73) TAGLIO S.r.l.	(51) G06K 9/00	(51) G06K 19/06
(72) CAPRA, Roberto	G06K 9/62	(11) EP3702970
CARATTO, Luigi	(11) EP3382596	(21) EP20170695.9
(51) G06K 7/10	(21) EP16867662.5	(47) 07.06.2023
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(72) Dorado Fernandez, Jose	(73) Tencent Technology (Shenzhen)	(51) G06K 19/06
Nunnink, Laurens	Company Limited	G06K 1/12
Rodriguez, Saul Sanz	(72) DING, Shouhong	G09F 3/00
Fluegge, Kai	LI, Jilin	H01B 13/34
Ciftci, Yasin Salih	WANG, Chengjie	H01B 7/36
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(21) EP19191016.5	G06K 9/62	IDENTIFICATION AND MARKING OF
(47) 07.06.2023	G06T 7/32	ELECTRIC CABLES IN INDUSTRIAL
(22) 09.08.2019	G06T 7/33	CABINETS
(54) METHOD AND DEVICE FOR	G06T 7/269	(73) M-Pix Srl
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SURFACE, AND SYSTEM FOR	G06V 20/40	(31) 201900018440
ESTABLISHING PHOTOVOLTAIC	G06V 30/242	(32) 10.10.2019
POWER STATION BY IDENTIFYING	G06V 10/74	(33) Italy
BARCODE	G06V 30/19	(51) G06K 19/06
(73) Sungrow Power Supply Co., Ltd.	(11) EP3480790	G06K 7/12
(72) CHEN, Gang	(21) EP17834666.4	(11) EP3779793
LI, Teng	(47) 07.06.2023	(21) EP20199879.6
XU, Sheng	(87) KR2017007333	(47) 07.06.2023
(31) 201811603572	01.02.2018	(22) 26.03.2013
(32) 26.12.2018	(22) 07.07.2017	(54) INFORMATION CODE AND
	(54) METHOD AND APPARATUS FOR	INFORMATION CODE READING
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	ON BASIS OF SIMILARITY OF IMAGES	(73) DENSO WAVE INCORPORATED

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(31) 2012139006	(31) 1859466	(73) AC-SP Etude & Recherche En Hygiène Industrielle
2012139005	(32) 12.10.2018	(72) PLATON, Frédéric
(32) 20.06.2012	(33) France	(31) 1561996
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(33) Japan	A61B 5/053	(32) 08.12.2015
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G06K 7/12	(21) EP20168320.8	France
G06K 7/14	(47) 07.06.2023	(51) G06K 19/077
G06V 10/20	(22) 06.04.2020	G06K 7/00
G06K 7/10	(54) A SMARTCARD INCLUDING A FINGERPRINT SENSOR	G06K 7/10
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(47) 07.06.2023	BRICOUT, Franck	(21) EP19207837.6
(87) US2018060270	THIEBOT, Alain	(47) 07.06.2023
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(22) 12.11.2018	(32) 12.04.2019	(54) PATTERNED SMART CARD MODULE
(54) MULTIPLE-PATTERN FIDUCIAL FOR HETEROGENEOUS IMAGING SENSOR SYSTEMS	(33) France	(73) MK Smart JSC
(73) Hewlett-Packard Development Company, L.P.	(51) G06K 19/077	(72) NGUYEN, Trong Khang
(72) NAYAK, Vijaykumar	(11) EP3201842	(31) 201901932
TANG, Yun David	(21) EP15787257.3	(32) 18.04.2019
AKHAVAIN, Roya Susan	(47) 07.06.2023	(33) Viet Nam
MENG, Hao	(87) FR2015052586	(51) G06N 3/04
JUNG, Brian R.	07.04.2016	G06T 11/00
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(11) EP3924882	(54) ELECTRONIC DOCUMENT HAVING ANGLED ANTENNA ENDS, ANTENNA HOLDER FOR SUCH AN ELECTRONIC DOCUMENT AND METHOD FOR MANUFACTURING SUCH A DOCUMENT	(21) EP18850585.3
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(47) 07.06.2023	(72) GRAGNIC, Elodie	(87) CN2018100833
(87) DK2020050036	BOSQUET, Olivier	07.03.2019
20.08.2020	(31) 1459311	(22) 16.08.2018
(22) 11.02.2020	(32) 30.09.2014	(54) IMAGE PROCESSING METHOD, IMAGE PROCESSING APPARATUS, AND A NEURAL NETWORK TRAINING METHOD
(54) A SYSTEM AND A METHOD FOR IDENTIFYING AN ARTICLE AND WHETHER AN OWNERSHIP OF SAID ARTICLE EXISTS	(33) France	(73) BOE Technology Group Co., Ltd.
(73) ValueReg ApS	(51) G06K 19/077	(72) LIU, Hanwen
(72) ELLING-ANDERSEN, Michael Bøs	(11) EP4042329	NAVARRETE MICHELINI, Pablo
FINDSEN, Henrik Sønndermark	(21) EP21742926.5	(31) 201710757133
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(33) Denmark	(22) 12.07.2021	G06N 3/08
(51) G06K 19/07	(54) SMART CARDS HAVING LED AND METHODS FOR FABRICATION THEREOF	(11) EP3323091
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(54) MOISTURE SENSORS	(32) 05.08.2020	(54) SELF-ORGANIZING LOGIC GATES AND CIRCUITS AND COMPLEX PROBLEM SOLVING WITH SELF- ORGANIZING CIRCUITS
(73) Fundacio per a la Universitat Oberta de Catalunya	(33) United States of America	(73) The Regents of the University of California
(72) Vilajosana Guillen, Xavier	(51) G06K 19/077	(72) DI VENTRA, Massimiliano
Melià Seguí, Joan Antoni	B29C 45/14	TRAVERSA, Fabio Lorenzo
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(54) RECHARGING A BATTERY EMBEDDED IN A CHIP CARD	(54) METHOD FOR INTEGRATING A FILTER-BEARING RADIO- IDENTIFICATION CHIP, FILTERING	(47) 07.06.2023
(73) IDEMIA France		(87) US2018058368
(72) MARTIN-MARTINASSO Ludovic		23.05.2019

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(73) Google LLC	G01N 21/84	(51) G06Q 10/06
(72) NACHUM, Ofir	G06V 10/764	A47K 3/20
GORDON, Ariel	G06V 20/64	H04Q 9/00
EBAN, Elad	(11) EP3774281	C02F 1/00
CHEN, Bo	(21) EP19781688.7	C02F 103/00
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(32) 15.11.2017	(87) US2019024795	(21) EP18858187.0
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(51) G06N 3/08	(22) 29.03.2019	(87) JP2018034909
G06N 3/04	(54) SYSTEM, METHOD AND MEDIA FOR ADDITIVE MANUFACTURING	28.03.2019
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(87) JP2018010446	WILLIAMS, James	(72) KITAGAWA Riki
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(22) 16.03.2018	NIRMALSWARAN, Aswin, Raghav	NISHIO Manabu
(54) LEARNING DEVICE AND LEARNING METHOD	CHRIS, Mario	YAMADA Ryo
(73) Mitsubishi Electric Corporation	(31) 201815943442	(31) 2017180580
(72) FUJINO, Tomoya	(32) 02.04.2018	(32) 20.09.2017
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B29C 64/106	G06Q 50/06	02.08.2018
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B33Y 10/00	(11) EP2721706	(54) METHOD FOR THE USAGE PLANNING OF OPERATING EQUIPMENT OF AN ELECTRICAL SYSTEM FOR SUPPLYING ENERGY AND ELECTRICAL SYSTEM FOR SUPPLYING ENERGY
B33Y 50/02	(21) EP12803431.1	(73) Maschinenfabrik Reinhausen GmbH
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(73) Ruma GmbH	(51) G06Q 10/107	(72) CHAKRABORTY, Sandipan
(72) WETZKE, Monika	(11) EP3874436	BÜRCEL, Sebastian
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(54) BLOCKCHAIN-BASED TRUSTABLE	United States of America	H02J 3/00
GUARANTEES	United States of America	G06Q 50/06
(73) Alipay (Hangzhou) Information	United States of America	(11) EP3891859
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G07C 9/27	G06Q 50/12	(54) METHOD AND SYSTEM FOR
G16H 20/13	G06Q 30/02	CONTROLLING AN ELECTRICAL
A61J 1/03	(11) EP3659093	INSTALLATION
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A47F 10/02	(54) INFORMATION PROCESSING	(11) EP3789949
B62B 3/14	DEVICE, INFORMATION PROCESSING	(21) EP20204326.1
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LI, Dongdong	Christen, Thomas	ERRICO, Ennio
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Toshiba Infrastructure Systems &	ZHU, Xianchun	LEGAY, Hervé
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(22) 31.07.2015	(33) Italy	(72) RAJABI MOGHADDAM, Reza
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DISASSEMBLING ET REASSEMBLING	H02K 11/35	H02P 25/092
METHOD	G01R 31/34	H02P 27/08
(73) ALSTOM Transport Technologies	H02H 7/085	H02P 25/08
(72) RAGUIN, Bruno	(11) EP3804101	(11) EP3469698
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B65G 23/08	GmbH & Co. KG	(73) Arm Ltd
B65G 13/06	(72) PÖSSNICKER, Peter	(72) PIETROMONACO, David Victor
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IMPROVED WIRING OF DRIVE MOTOR	H01Q 1/22	(21) EP18910127.2
AND BRAKE OF A CONVEYING	H02P 31/00	(47) 07.06.2023
ROLLER AND OPERATING METHOD	(11) EP3229351	(87) CN2018119874
THEREFOR	(21) EP17164522.9	19.09.2019
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(31) 502002015	ASSEMBLY AND METHOD OF	VEHICLE
(32) 12.03.2015	MANUFACTURING AND USING SAME	(73) Gree Electric Appliances, Inc. of Zhuhai
(33) Austria	(73) REGAL BELOIT AMERICA, INC.	(72) XIAO, Yong
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(54) ACTUATOR WITH BRAKING DEVICE	(32) 06.04.2016	H02K 7/18
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(72) HOFMANN, Benjamin	(51) H02K 15/02	(11) EP2843813
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(31) 102017107519	(11) EP3562007	(22) 30.10.2013
(32) 07.04.2017	(21) EP19000189.1	(54) Reciprocating generator able to power
(33) Germany	(47) 07.06.2023	interactive appliances in playground
(51) H02K 11/00	(22) 17.04.2019	equipment
H01F 37/00	(54) METHOD FOR THE PREPARATION	(73) Playground Energy Ltd
H02M 1/00	OF LAMELLAE PACKS AND	(72) Aleksiev, Hristo
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CONTROLLABLY MOVING ONE OR	H02K 21/44	ELECTROMAGNETIC NOISE
MORE MOVEABLE STAGES IN A	(11) EP3116112	INJECTION NETWORK AND ACTIVE
DISPLACEMENT DEVICE	(21) EP16178364.2	ELECTROMAGNETIC INTERFERENCE
(73) The University of British Columbia	(47) 07.06.2023	FILTER
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H02K 7/14	Orlik, Bernd	
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(51) H02K 41/03	(54) THERMOMAGNETIC APPARATUS FOR	aux Energies Alternatives
H02K 1/06	ELECTRIC POWER GENERATION AND	(72) BERGOGNE, Dominique
H02K 7/14	METHOD THEREOF	PERICHON, Pierre
B25J 9/00	(73) Fondazione Istituto Italiano di Tecnologia	STERNA, Léo
B25J 15/02	(72) CHIOLERIO, Alessandro	(31) 1908701
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CHEN, Rui	MEDIUM	ROELING, Arthur Johannes Maria
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(73) Delta Electronics (Thailand) Public Co., Ltd.
(72) Robert, Pohlmann
Frank, Schafmeister
Rongyuan, Li
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(73) Delta Electronics (Thailand) Public Co., Ltd.
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(73) The University of Tokyo
Saginomiya Seisakusho, Inc.
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(73) Sky CP Limited	United Kingdom	G06T 7/33
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CAINES, Christopher David	(11) EP3371971	H04N 13/282
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(73) Magic Leap, Inc.	DIMENSIONAL IMAGES THAT APPEAR	MA, Ming
(72) YEOH, Ivan, L.	TO PROJECT FORWARD OF OR	<hr/>
EDWIN, Lionel, E.	ABOVE AN ELECTRONIC DISPLAY	(51) H04N 13/363
MILLER, Sam	(73) Maxx Media Group, LLC	G02B 13/16
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H04N 19/172	COMPTON, Matthew	BROSS, Benjamin
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TAKIUE, Junya	YANG, Moonock	(33) United States of America
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TAN, Thiow Keng	20100079530	(51) H04N 19/124
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(73) M&K Holdings Inc.	(54) APPARATUS FOR DECODING A MOVING PICTURE	(54) QUANTISATION PARAMETER DETERMINATION AND LAYERED CODING
(72) OH, Soo Mi	(73) M&K Holdings Inc.	(73) V-NOVA INTERNATIONAL LTD
YANG, Moonock	(72) OH, Soo Mi	(72) HANDFORD, David
(31) 20110064306	YANG, Moonock	(31) 201615267
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H04N 19/177	H04N 19/184	H04N 19/174
H04N 19/33	H04N 19/50	(11) EP3909244
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(72) BREITENMOSE, Andreas	KJOERLING, Kristofer	H04L 43/0811
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Hoelzl, Antonio	H04W 88/06	(54) METHOD FOR PREDICTING A SIGNAL
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(54) PULSED ELECTRIC FIELD COOKING DEVICE	(73) Zumtobel Lighting GmbH	(73) Lamanna, Salvatore
(73) BSH Hausgeräte GmbH	(72) FROHNAPFEL, Anja	(72) Lamanna, Salvatore
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(72) REUL, Kurt		

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(73) Chromaviso A/S	(72) PEREIRA, Eduardo	(73) Goodrich Lighting Systems GmbH
(72) SKOV HANSEN, Torben	(31) 102011089873	(72) Klein, Frank
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(72) HEGDE, Ravidasa	FU, Haoming	(73) Silvair SP. Z O.O.
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(32) 06.02.2015	(32) 11.04.2019	WITALINSKI, Maciej
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(47) 07.06.2023	(47) 07.06.2023	G06F 3/01
(22) 04.03.2021	(22) 18.09.2020	G06F 3/03
(54) SYSTEM COMPRISING A CURRENT CONVERTER CIRCUIT FOR AIRFIELD GROUND LIGHTING AND A LIGHT EMITTING DIODE	(54) LINEAR DRIVE CIRCUIT AND LED LIGHT HAVING THE SAME	H04N 21/41
(73) Honeywell International Inc.	(73) Wuxi ORG Microelectronics Co., Ltd	(11) EP3892069
(72) CHAWDA, Nipun Kumar	(72) ZHOU, Zhicheng	(21) EP19801899.6
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(72) DE BONDT, Guy, Louis, Paul	(22) 26.03.2019	(33) European Patent Office (EPO)
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(47) 07.06.2023	(54) SUBSTRATE WITH IDENTIFICATION PATTERN FOR SEPARATE ELECTRONIC CIRCUITS AND METHOD FOR PRODUCING THEREOF	(73) ELECTROLUX APPLIANCES AKTIEBOLAG
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(22) 04.08.2016	(31) 201605505	BOß, Sebastian
(54) CARTRIDGE FOR A LIQUID-COOLED PLASMA ARC TORCH	(32) 29.06.2016	FESER, Jürgen
(73) Hypertherm, Inc.	(33) Belgium	(51) H05K 5/00
(72) SANDERS, Nicholas, A.	(51) H05K 1/14	F24C 7/08
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G21K 1/10	(54) METHOD FOR MANUFACTURING PERSONALISED CHIP-FREE	(51) H05K 5/02
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(54) SYSTEM AND METHOD FOR	MODULAR CONSTRUCTION	(32) 01.12.2017
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PLASTIC PARTS	(72) ZEN-RUFFINEN, Antoine	<hr/>
(73) Flextronics AP LLC	BURELLA PÉREZ, Julián	(51) H05K 7/18
(72) QIN, Jeff (Jichen)	RIEDO, Adrian	H02B 1/01
HILL, Charles, R.	GIANGRANDI, Iacopo	(11) EP3756429
NAROTAMO, Suriaprakash	(51) H05K 7/14	(21) EP19708938.6
LI WU BING, Levin	(11) EP3714666	(47) 07.06.2023
WU, Spring	(21) EP18803677.6	(87) DK2019050067
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(51) H05K 5/02	AND EXTRACTING AN ELECTRONIC	(72) THING, Poul
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(33) Germany	(21) EP20153583.8	BACHMANN, Klaus-Peter
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(51) H05K 5/03	(22) 14.06.2017	PAWLOWSKI, Adam
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H01S 3/10	King Slide Technology Co., Ltd.	RAISANEN, Richard L.
H01S 3/02	(72) CHEN, Ken-Ching	KOEHLER, Michael J.
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(73) NLIGHT, Inc.	22.05.2020	<hr/>
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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.

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C08L 51/06	(11) EP3770528
C09J 5/00	(51) F24H 1/43
C09J 7/21	F24H 9/02
C09J 7/24	F28D 7/02
C09J 7/35	F28D 21/00
C09J 11/00	F28F 1/02
A61F 13/15	B21D 53/02
A61L 15/58	B21D 53/06
A61L 15/24	(00) 52/22
(00) 31/22	28.12.2022
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(11) EP3461637	
(51) B32B 29/00	
B32B 27/10	
B65D 65/40	
D21H 19/82	
D21H 27/10	
B65D 65/42	
(00) 31/22	
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(51) G02B 27/28	
F41G 1/34	
F41G 1/38	
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(51) C07D 215/48	
A61K 31/47	
A61P 35/00	
(00) 32/22	
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(51) B01L 3/02	
G05B 15/00	
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VB2

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

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

(11) EP2626167	A61P 37/08
(51) B23P 6/00	A61P 43/00
F01D 5/00	(00) 25/22
(00) 08/18	22.06.2022
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(11) EP2659986	(51) D21B 1/32
(51) B05B 1/16	D21B 1/34
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(11) EP2906423	29.09.2021
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C08L 23/08	D21H 13/06
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(51) E01B 35/00	(51) A61B 5/11
G01B 11/00	G06T 7/00
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(51) A61K 31/5513	A61B 5/00
A61P 1/04	G16H 20/30
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(00) 51/21	(51) B65D 17/28
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A23L 33/19	
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C07D 207/16	
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MED**Overige mededelingen.
Contains data concerning other communications.**

(11) 2021441	(11) EP2935032	(11) EP3565365
(00) 18.05.2023	(51) B65D 30/20	(00) 16.05.2023
(51) G01N 21/64	B65D 30/10	(51) H04W 74/08
G01N 21/77	B65D 77/06	H04L 27/26
G01N 21/85	B65D 75/00	H04L 5/00
G02B 6/26	B65B 51/10	H04W 84/12
(00) Pre-judgement attachement	B65D 25/16	H04L 1/16
	B65B 1/04	H04L 1/06
(11) EP1643324	(11) EP3261849	(00) New licence registration
(00) 18.05.2023	(51) B42D 25/29	(00) exclusieve licentie verleend door SK
(51) G05B 15/02	B42D 25/351	Telecom Co., Ltd. aan Wilus Institute of
G05B 19/042	B42D 25/355	Standards and Technology Inc.
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(11) EP1680372	(11) EP3262066	(11) EP3567911
(51) C03C 13/00	(51) C07K 14/47	(00) 16.05.2023
E06B 5/16	C12N 9/64	(51) H04B 7/0452
(11) EP1831258	(11) EP3307357	H04L 27/26
(51) C07K 16/28	(51) A61M 5/315	(00) New licence registration
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A61P 1/00	(51) H04B 7/26	Standards and Technology Inc.
A61P 3/10	H04L 27/26	(11) EP3852480
A61P 5/14	H04W 24/02	(00) 16.05.2023
A61P 7/00	H04W 28/04	(51) H04W 74/08
A61P 9/00	H04W 28/06	H04W 84/12
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A61P 37/00	(51) H04W 74/08	H04W 28/06
A61P 43/00	H04W 84/12	H04B 7/26
(11) EP2381923	(00) New licence registration	H04L 27/26
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A61K 31/11	Standards and Technology Inc.	(00) New licence registration
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A61M 15/08	(51) H04W 74/00	Standards and Technology Inc.
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(51) B01J 47/00	H04W 74/08	
B01D 53/14	H04W 28/06	
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(11) EP2805823	(00) 16.05.2023	
(51) B32B 1/08	(51) H04W 74/00	
B32B 7/02	H04W 74/08	
B32B 27/32	H04W 28/02	
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F16L 9/12	(00) New licence registration	
(11) EP2843129	(00) exclusieve licentie verleend door SK	
(51) D21H 13/40	Telecom Co., Ltd. aan Wilus Institute of	
E04C 2/04	Standards and Technology Inc.	

VRV

Verval of nietigverklaring.

Contains data concerning lapse or annulment.

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(11) EP3103361 (00) 01.02.2023 (00) EPV Ceased Effect	(11) EP3162205 (00) 01.11.2022 (00) EPV lapsed	(11) EP3201295 (00) 01.11.2022 (00) EPV lapsed
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(11) EP3885222	(11) EP3905939	(11) EP3959897
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3889230	(11) EP3907084	(11) EP3965414
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3889318	(11) EP3908538	(11) EP3971058
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3889345	(11) EP3908727	(11) EP3973815
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3889703	(11) EP3909098	(11) EP3981986
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3890854	(11) EP3910187	(11) EP3984702
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3892835	(11) EP3910536	(11) EP3988261
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3892968	(11) EP3911724	(11) EP4001022

(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4002601
(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4012453
(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4020734
(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4025503
(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4037936
(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4044922
(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4051307
(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4057473
(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4064405
(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4084467
(00) 01.02.2023
(00) EPV Ceased Effect

(11) EP4097371
(00) 01.02.2023
(00) EPV Ceased Effect

VRB

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

(11) EP3157362
(00) 28.03.2023
(00) Proceedings Interruption: Legal
prevention (Rule 142(1)(b))
(51) A24F 47/00
A61M 15/00
A61M 15/06
H05B 1/02

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) What's Cooking Savoury Belgium NV	(71) EnBW mobility + AG & Co KG	(51) E01C 3/00
(73) What's Cooking Savoury Belgium NV	(73) EnBW mobility + AG & Co KG	E01C 13/02
(11) 2008463	(11) EP2359451	E01C 13/08
(00) 23.05.2023	(00) 24.05.2023	E02B 11/00
(51) A23L 1/314	(51) B60L 11/18	(00) Change of owner(s) name
A23L 1/317	H02J 3/32	(71) Siemens Gamesa Renewable Energy
(00) Change of owner(s) name	(00) Assignment	Service GmbH
(71) What's Cooking Savoury Belgium NV	(71) EnBW mobility + AG & Co KG	(73) Siemens Gamesa Renewable Energy
(73) What's Cooking Savoury Belgium NV	(73) EnBW mobility + AG & Co KG	Service GmbH
(11) 2008462	(11) EP2326528	(11) EP2877638
(00) 23.05.2023	(00) 24.05.2023	(00) 26.05.2023
(51) A23D 9/00	(51) B60L 11/18	(51) E02D 27/42
A23L 1/317	H02J 3/38	(00) Change of owner(s) name
(00) Change of owner(s) name	(00) Assignment	(71) Senvion Deutschland GmbH
(71) FIBERunlimited B.V.	(71) EnBW mobility + AG & Co KG	(73) Siemens Gamesa Renewable Energy
(73) FIBERunlimited B.V.	(73) EnBW mobility + AG & Co KG	Service GmbH
(11) 2012956	(11) EP2326529	(11) EP2877638
(00) 25.05.2023	(00) 24.05.2023	(00) 26.05.2023
(51) G02B 6/38	(51) B60L 11/18	(51) E02D 27/42
(00) Change of owner(s) name	(00) Assignment	(00) Demerger
(71) Micromet GmbH	(71) AtriCure, Inc.	(71) NIKKISO CO., LTD.
(73) Amgen Research (Munich) GmbH	(73) AtriCure, Inc.	(73) NIKKISO CO., LTD.
(11) EP1593690	(11) EP2142107	(11) EP2747220
(00) 24.05.2023	(00) 23.05.2023	(00) 24.05.2023
(51) C07K 16/00	(51) A61B 17/12	(51) H01L 21/02
(00) Change of Legal Entity	(00) Merge	H01L 33/12
(71) Amgen Research (Munich) GmbH	(71) Evonik CYC GmbH	H01L 33/16
(73) Amgen Research (Munich) GmbH	(73) Evonik CYC GmbH	H01L 33/32
(11) EP1593690	(11) EP2041098	H01L 33/38
(00) 24.05.2023	(00) 22.05.2023	(00) Assignment
(51) C07K 16/00	(51) C07D 251/34	(71) Senvion Deutschland GmbH
(00) Change of owner(s) name	(00) Assignment	(73) Siemens Gamesa Renewable Energy
(71) KETER HOME AND GARDEN	(71) Senvion Deutschland GmbH	Service GmbH
PRODUCTS LTD	(73) Siemens Gamesa Renewable Energy	(11) EP2102495
(73) KETER HOME AND GARDEN	Service GmbH	(00) 26.05.2023
PRODUCTS LTD	(11) EP1658408	(51) F03D 7/02
(11) EP1690772	(00) 26.05.2023	F03D 9/00
(00) 22.05.2023	(51) E02B 17/00	(00) Demerger
(51) A47C 13/00	E02B 17/02	(71) AtriCure, Inc.
B25H 3/00	E02D 27/42	(73) AtriCure, Inc.
B62B 1/14	E04H 12/00	(11) EP2574287
B62B 3/16	F03D 13/20	(00) 23.05.2023
B62B 5/08	(00) Demerger	(51) A61B 17/12
(00) Change of owner(s) name	(71) Siemens Gamesa Renewable Energy	(00) Merge
(71) KETER HOME AND GARDEN	Service GmbH	(71) Dulimex B.V.
PRODUCTS LTD	(73) Siemens Gamesa Renewable Energy	(73) Dulimex B.V.
(73) KETER HOME AND GARDEN	Service GmbH	(11) EP3088644
PRODUCTS LTD	(11) EP1658408	(00) 24.05.2023
(11) EP2121272	(00) 26.05.2023	(51) E05C 17/48
(00) 26.05.2023	(51) E02B 17/00	(00) Assignment
(51) B29C 45/14	E02B 17/02	(71) Basilea Pharmaceutica International AG,
(00) Change of owner(s) name	E02D 27/42	Allschwil
(71) KETER HOME AND GARDEN	E04H 12/00	(73) Basilea Pharmaceutica International AG,
PRODUCTS LTD	F03D 13/20	Allschwil
(73) KETER HOME AND GARDEN	(00) Change of owner(s) name	(11) 300791
PRODUCTS LTD	(71) PreZero Recycling & Recovery	(00) 23.05.2023
(11) EP2055206	Netherlands B.V	(00) Change of Legal Entity
(00) 26.05.2023	(73) PreZero Recycling & Recovery	(71) Senvion Deutschland GmbH
(51) A47B 31/02	Netherlands B.V	(73) Siemens Gamesa Renewable Energy
(00) Change of owner(s) name	(11) 2017166	Service GmbH
	(00) 26.05.2023	(11) EP3078778

(00) 26.05.2023	(73) Siemens Gamesa Renewable Energy	(00) 22.05.2023
(51) E02D 27/42	Service GmbH	(51) A47C 27/08
(00) Demerger	(11) EP2123907	A47C 31/00
(71) E.D.G. INNOVATIONS AND	(00) 26.05.2023	A47C 31/12
CONSULTING PTY LTD	(51) F03D 9/00	A61B 5/00
(73) E.D.G. INNOVATIONS AND	(00) Demerger	A61B 5/08
CONSULTING PTY LTD	(71) Servion Deutschland GmbH	A61B 5/11
(11) EP2398917	(73) Siemens Gamesa Renewable Energy	(00) Change of owner(s) name
(00) 22.05.2023	Service GmbH	(71) Sleep Number Corporation
(51) C12Q 1/68	(11) EP2313792	(73) Sleep Number Corporation
(00) Assignment	(00) 26.05.2023	(11) EP2967230
(71) CEDES AG	(51) F03D 7/02	(00) 22.05.2023
(73) CEDES AG	G01R 31/34	(51) A47C 27/08
(11) EP2990836	G01R 31/36	A47C 31/00
(00) 24.05.2023	H02J 9/06	(00) Change of owner(s) name
(51) F16P 3/02	(00) Demerger	(71) Vision Tech Bio Pty Ltd
F16P 3/14	(71) Siemens Gamesa Renewable Energy	(73) Vision Tech Bio Pty Ltd
G01V 8/20	Service GmbH	(11) EP2829881
(00) Assignment	(73) Siemens Gamesa Renewable Energy	(00) 17.05.2023
(71) Siemens Gamesa Renewable Energy	Service GmbH	(51) C12Q 1/68
Service GmbH	(11) EP2313792	G01N 33/574
(73) Siemens Gamesa Renewable Energy	(00) 26.05.2023	(00) Assignment
Service GmbH	(51) F03D 7/02	(71) Mitsui DM Sugar Co., Ltd.
(11) EP2935877	G01R 31/34	(73) Mitsui DM Sugar Co., Ltd.
(00) 26.05.2023	G01R 31/36	(11) EP2905026
(51) F03D 7/02	H02J 9/06	(00) 26.05.2023
(00) Change of owner(s) name	(00) Change of owner(s) name	(51) A61K 31/137
(71) AGC Inc.	(71) Royalty Bugaboo GmbH	A61K 31/357
NIKKISO CO., LTD.	(73) Royalty Bugaboo GmbH	A61K 31/4706
(73) AGC Inc.	(11) EP3247244	A61K 31/4709
NIKKISO CO., LTD.	(00) 26.05.2023	A61K 31/49
(11) EP2993710	(51) A47D 7/00	A61K 31/505
(00) 24.05.2023	A47D 13/06	A61K 31/635
(51) C08F 16/24	(00) Assignment	A61K 31/716
H01L 33/56	(71) Servion Deutschland GmbH	A61K 36/899
(00) Assignment	(73) Siemens Gamesa Renewable Energy	A61P 33/06
(71) Siemens Gamesa Renewable Energy	Service GmbH	A61P 37/04
Service GmbH	(11) EP2574711	A61P 43/00
(73) Siemens Gamesa Renewable Energy	(00) 26.05.2023	C08B 30/04
Service GmbH	(51) E02D 27/42	C08B 37/00
(11) EP3048295	E04H 12/08	C08L 5/00
(00) 26.05.2023	F03D 13/20	A23K 20/163
(51) F03D 1/00	(00) Demerger	A23L 33/105
E04B 1/98	(71) Siemens Gamesa Renewable Energy	(00) Assignment
F03D 80/00	Service GmbH	(71) Servion Deutschland GmbH
F03D 13/20	(73) Siemens Gamesa Renewable Energy	(73) Siemens Gamesa Renewable Energy
F03D 13/10	Service GmbH	Service GmbH
(00) Change of owner(s) name	(11) EP2574711	(11) EP2931977
(71) Siemens Gamesa Renewable Energy	(00) 26.05.2023	(00) 26.05.2023
Service GmbH	(51) E02D 27/42	(51) E02B 17/00
(73) Siemens Gamesa Renewable Energy	E04H 12/08	E02D 27/12
Service GmbH	F03D 13/20	E02D 27/42
(11) EP2102495	(00) Change of owner(s) name	(00) Demerger
(00) 26.05.2023	(71) Siemens Gamesa Renewable Energy	(71) Siemens Gamesa Renewable Energy
(51) F03D 7/02	Service GmbH	Service GmbH
F03D 9/00	(73) Siemens Gamesa Renewable Energy	(73) Siemens Gamesa Renewable Energy
(00) Change of owner(s) name	Service GmbH	Service GmbH
(71) Siemens Gamesa Renewable Energy	(11) EP3112676	(11) EP2931977
Service GmbH	(00) 26.05.2023	(00) 26.05.2023
(73) Siemens Gamesa Renewable Energy	(51) F03D 7/02	(51) E02B 17/00
Service GmbH	F03D 7/04	E02D 27/12
(11) EP2123907	(00) Change of owner(s) name	E02D 27/42
(00) 26.05.2023	(71) SleepIQ Labs Inc.	(00) Change of owner(s) name
(51) F03D 9/00	Sleep Number Corporation	(71) GCS German Capsule Solution GmbH
(00) Change of owner(s) name	(73) SleepIQ Labs Inc.	(73) GCS German Capsule Solution GmbH
(71) Servion Deutschland GmbH	Sleep Number Corporation	(11) EP3310693
	(11) EP2967225	(00) 26.05.2023

(51) B65D 85/804	(73) Siemens Gamesa Renewable Energy	(00) 26.05.2023
(00) Assignment	Service GmbH	(51) F03D 7/02
(71) AbVacc, Inc.	(11) EP3076013	(00) Demerger
(73) AbVacc, Inc.	(00) 26.05.2023	(71) NIKKISO CO., LTD.
(11) EP3010535	(51) E02B 17/00	(73) NIKKISO CO., LTD.
(00) 26.05.2023	E02B 17/02	(11) EP2763192
(51) A61K 39/085	E04H 12/08	(00) 24.05.2023
(00) Change of owner(s) name	F03D 13/20	(51) H01L 29/20
(71) NIKKISO CO., LTD.	F03D 13/25	H01L 29/45
(73) NIKKISO CO., LTD.	(00) Demerger	H01L 33/00
(11) EP3279951	(71) Siemens Gamesa Renewable Energy	H01L 33/32
(00) 24.05.2023	Service GmbH	H01L 33/38
(51) H01L 21/28	(73) Siemens Gamesa Renewable Energy	H01L 33/40
H01L 21/288	Service GmbH	(00) Assignment
H01L 33/32	(11) EP3076013	(71) SleepIQ Labs Inc.
H01L 33/38	(00) 26.05.2023	Sleep Number Corporation
H01L 33/44	(51) E02B 17/00	(73) SleepIQ Labs Inc.
H01L 33/46	E02B 17/02	Sleep Number Corporation
(00) Assignment	E04H 12/08	(11) EP3202284
(71) Servion Deutschland GmbH	F03D 13/20	(00) 22.05.2023
(73) Siemens Gamesa Renewable Energy	F03D 13/25	(51) A47C 19/02
Service GmbH	(00) Change of owner(s) name	A47C 20/04
(11) EP3094862	(71) Servion Deutschland GmbH	A47C 21/00
(00) 26.05.2023	(73) Siemens Gamesa Renewable Energy	A47C 21/04
(51) B66C 23/88	Service GmbH	A47C 27/08
F03D 1/00	(11) EP2912231	A47C 31/00
F03D 7/02	(00) 26.05.2023	A47C 31/12
F03D 13/00	(51) E02D 27/42	A61B 5/00
F03D 80/00	(00) Demerger	A61B 5/08
F03D 80/50	(71) SleepIQ Labs Inc.	A61B 5/11
(00) Demerger	Sleep Number Corporation	(00) Change of owner(s) name
(71) Siemens Gamesa Renewable Energy	(73) SleepIQ Labs Inc.	(71) Evonik CYC GmbH
Service GmbH	Sleep Number Corporation	(73) Evonik CYC GmbH
(73) Siemens Gamesa Renewable Energy	(11) EP2967224	(11) EP2380928
Service GmbH	(00) 22.05.2023	(00) 22.05.2023
(11) EP3078778	(51) A47C 27/08	(51) C07D 251/32
(00) 26.05.2023	A47C 31/12	C07D 251/34
(51) E02D 27/42	A61B 5/11	C08K 5/3492
(00) Change of owner(s) name	A61B 5/00	C08L 77/00
(71) Siemens Gamesa Renewable Energy	(00) Change of owner(s) name	(00) Assignment
Service GmbH	(71) Musarubra US LLC	(71) Servion Deutschland GmbH
(73) Siemens Gamesa Renewable Energy	(73) Musarubra US LLC	(73) Siemens Gamesa Renewable Energy
Service GmbH	(11) EP2909776	Service GmbH
(11) EP3094862	(00) 26.05.2023	(11) EP2839098
(00) 26.05.2023	(51) H04L 29/06	(00) 26.05.2023
(51) B66C 23/88	H04W 12/08	(51) E02B 17/00
F03D 1/00	G06F 21/56	E02B 17/02
F03D 7/02	G06F 21/62	E04H 12/10
F03D 13/00	H04W 4/50	F03D 13/20
F03D 80/00	(00) Assignment	(00) Demerger
F03D 80/50	(71) SleepIQ Labs Inc.	(71) Siemens Gamesa Renewable Energy
(00) Change of owner(s) name	Sleep Number Corporation	Service GmbH
(71) SleepIQ Labs Inc.	(73) SleepIQ Labs Inc.	(73) Siemens Gamesa Renewable Energy
Sleep Number Corporation	Sleep Number Corporation	Service GmbH
(73) SleepIQ Labs Inc.	(11) EP2967228	(11) EP2839098
Sleep Number Corporation	(00) 22.05.2023	(00) 26.05.2023
(11) EP2967223	(51) A47C 27/08	(51) E02B 17/00
(00) 22.05.2023	A47C 31/00	E02B 17/02
(51) A47C 21/00	A47C 31/12	E04H 12/10
A47C 27/08	A61B 5/00	F03D 13/20
A47C 31/00	A61B 5/08	(00) Change of owner(s) name
A47C 31/12	A61B 5/11	(71) Musarubra US LLC
A61B 5/00	(00) Change of owner(s) name	(73) Musarubra US LLC
A61B 5/08	(71) Servion Deutschland GmbH	(11) EP2764660
A61B 5/11	(73) Siemens Gamesa Renewable Energy	(00) 26.05.2023
(00) Change of owner(s) name	Service GmbH	(51) H04L 12/22
(71) Servion Deutschland GmbH	(11) EP2935877	H04L 12/58

H04L 12/66	(00) Change of owner(s) name	(00) 26.05.2023
H04L 29/06	(71) Siemens Gamesa Renewable Energy	(51) F03D 7/02
(00) Assignment	Service GmbH	F03D 7/04
(71) Servion Deutschland GmbH	(73) Siemens Gamesa Renewable Energy	(00) Demerger
(73) Siemens Gamesa Renewable Energy	Service GmbH	(71) Irdeto B.V.
Service GmbH	(11) EP3219879	(73) Irdeto B.V.
(11) EP3048299	(00) 26.05.2023	(11) EP3398106
(00) 26.05.2023	(51) E02D 27/42	(00) 24.05.2023
(51) B66C 1/10	E04H 12/34	(51) G06F 21/31
F16F 7/10	F03D 13/20	G06F 21/55
F03D 13/10	(00) Change of owner(s) name	(00) Assignment
F03D 13/20	(71) Servion Deutschland GmbH	(71) Sleep Number Corporation
F03D 13/40	(73) Siemens Gamesa Renewable Energy	(73) Sleep Number Corporation
F03D 80/00	Service GmbH	(11) EP3089623
(00) Demerger	(11) EP3219879	(00) 22.05.2023
(71) Bugaboo International B.V.	(00) 26.05.2023	(51) A47C 27/08
(73) Royalty Bugaboo GmbH	(51) E02D 27/42	A47C 31/00
(11) EP3247244	E04H 12/34	H04Q 9/00
(00) 26.05.2023	F03D 13/20	(00) Change of owner(s) name
(51) A47D 7/00	(00) Demerger	(71) Industrial Technologies & Services
A47D 13/06	(71) Musarubra US LLC	Americas Inc.
(00) Assignment	(73) Musarubra US LLC	(73) Industrial Technologies & Services
(71) AbVacc, Inc.	(11) EP2840753	Americas Inc.
(73) AbVacc, Inc.	(00) 26.05.2023	(11) EP3099408
(11) EP2785368	(51) H04L 12/24	(00) 25.05.2023
(00) 26.05.2023	H04L 12/26	(51) B01J 20/34
(51) A61K 39/00	H04L 29/06	B01D 53/04
A61K 39/085	G06F 21/55	B01D 53/26
A61K 39/40	(00) Assignment	(00) Change of owner(s) name
C07K 14/31	(71) NIKKISO CO., LTD.	(71) Sanofi B.V.
C07K 16/00	(73) NIKKISO CO., LTD.	(73) Sanofi B.V.
C07K 16/12	(11) EP2579297	(11) 301031
C07K 16/40	(00) 24.05.2023	(00) 22.05.2023
C12N 9/10	(51) C30B 25/18	(00) Change of owner(s) name
(00) Change of owner(s) name	C30B 29/40	(71) Industrial Technologies & Services
(71) Siemens Gamesa Renewable Energy	H01L 21/02	Co., Ltd.
Service GmbH	H01L 21/205	(73) Industrial Technologies & Services
(73) Siemens Gamesa Renewable Energy	H01S 5/323	Co., Ltd.
Service GmbH	H01L 33/00	(11) EP3330655
(11) EP2945242	H01L 33/32	(00) 26.05.2023
(00) 26.05.2023	(00) Assignment	(51) F28D 20/02
(51) H02H 7/12	(71) Mitsui DM Sugar Holdings Co., Ltd.	F28F 3/02
H02J 3/12	(73) Mitsui DM Sugar Co., Ltd.	F28D 21/00
H02J 3/18	(11) EP2905026	F28D 9/00
H02J 3/38	(00) 26.05.2023	F28D 19/00
H02M 5/458	(51) A61K 31/137	(00) Change of owner(s) name
H02M 1/32	A61K 31/357	(71) Ascend Gene and Cell Therapies Ltd
H02M 1/42	A61K 31/4706	(73) Ascend Gene and Cell Therapies Ltd
F03D 9/25	A61K 31/4709	(11) EP3722434
(00) Change of owner(s) name	A61K 31/49	(00) 26.05.2023
(71) Servion Deutschland GmbH	A61K 31/505	(51) C12N 15/86
(73) Siemens Gamesa Renewable Energy	A61K 31/635	(00) Assignment
Service GmbH	A61K 31/716	(71) FONS JK Group, a.s.
(11) EP3048295	A61K 36/899	(73) FONS JK Group, a.s.
(00) 26.05.2023	A61P 33/06	(11) EP3514545
(51) F03D 1/00	A61P 37/04	(00) 26.05.2023
E04B 1/98	A61P 43/00	(51) G01N 33/574
F03D 80/00	C08B 30/04	G01N 33/92
F03D 13/20	C08B 37/00	(00) Assignment
F03D 13/10	C08L 5/00	(71) ABB-E-mobility B.V.
(00) Demerger	A23K 20/163	(73) ABB-E-mobility B.V.
(71) Sleep Number Corporation	A23L 33/105	(11) EP3649007
(73) Sleep Number Corporation	(00) Change of owner(s) name	(00) 26.05.2023
(11) EP2967229	(71) Servion Deutschland GmbH	(51) B60L 50/50
(00) 22.05.2023	(73) Siemens Gamesa Renewable Energy	(00) Assignment
(51) A47C 20/04	Service GmbH	(71) SK enpulse Co., Ltd.
A47C 31/00	(11) EP3112676	(73) SK enpulse Co., Ltd.

(11) EP3611753	(11) EP2879713	(73) NIKKISO CO., LTD.
(00) 15.05.2023	(00) 18.05.2023	(11) EP3584845
(51) C23C 14/06	(51) A61K 8/73	(00) 24.05.2023
C23C 16/32	A61K 31/733	(51) H01L 33/32
H01J 37/32	A61K 45/06	H01L 21/205
(00) Change of owner(s) name	A61K 49/12	H01L 21/02
(71) The Regents of the University of	A61P 3/04	(00) Assignment
California	A61P 3/10	(71) Holcim Technology Ltd
(73) The Regents of the University of	A61P 5/50	(73) Holcim Technology Ltd
California	C08B 37/00	(11) EP3350273
(11) EP3380613	C08L 5/00	(00) 24.05.2023
(00) 26.05.2023	A23L 33/10	(51) C09J 7/38
(51) C12N 15/11	A23L 33/21	E04D 5/12
C12N 15/113	(00) Assignment	E04D 5/14
C07K 19/00	(71) Cephalon LLC	(00) Assignment
C12N 15/62	(73) Cephalon LLC	(71) Resonac Corporation
(00) Assignment	(11) EP3191513	(73) Resonac Corporation
(71) Musarubra US LLC	(00) 22.05.2023	(11) EP3842416
(73) Musarubra US LLC	(51) C07K 16/24	(00) 18.05.2023
(11) EP3314860	(00) Change of Legal Entity	(51) C07C 265/04
(00) 26.05.2023	(71) BAADER Food Systems Denmark A/S	C07C 231/10
(51) H04L 29/06	(73) BAADER Food Systems Denmark A/S	C07C 233/18
H04L 29/12	(11) EP2892356	C07C 263/10
G06F 21/53	(00) 18.05.2023	C07C 263/20
G06F 21/56	(51) A22B 3/00	C07C 269/02
(00) Assignment	A22B 3/08	C07C 271/16
(71) Siemens Gamesa Renewable Energy	A22B 3/10	C07C 271/60
Service GmbH	A22B 7/00	C07C 333/04
(73) Siemens Gamesa Renewable Energy	G01N 33/00	C07D 231/12
Service GmbH	(00) Change of owner(s) name	C08G 18/81
(11) EP2912231	(71) NIKKISO CO., LTD.	C07B 61/00
(00) 26.05.2023	(73) NIKKISO CO., LTD.	(00) Assignment
(51) E02D 27/42	(11) EP3474338	
(00) Change of owner(s) name	(00) 24.05.2023	
(71) Siemens Gamesa Renewable Energy	(51) H01L 33/00	
Service GmbH	H01L 33/20	
(73) Siemens Gamesa Renewable Energy	H01L 33/44	
Service GmbH	(00) Assignment	
(11) EP3048299	(71) DOMETIC MARINE CANADA INC.	
(00) 26.05.2023	(73) DOMETIC MARINE CANADA INC.	
(51) B66C 1/10	(11) EP3436752	
F16F 7/10	(00) 19.05.2023	
F03D 13/10	(51) F23D 11/10	
F03D 13/20	F23N 5/00	
F03D 13/40	F23N 5/26	
F03D 80/00	F24H 1/00	
(00) Change of owner(s) name	F24H 1/08	
(71) NIKKISO CO., LTD.	F24H 1/22	
(73) NIKKISO CO., LTD.	F24H 9/18	
(11) EP3293774	F24H 9/20	
(00) 24.05.2023	F02N 19/10	
(51) H01L 33/00	(00) Change of owner(s) name	
H01L 33/12	(71) Hirschvogel E-Solutions GmbH	
H01L 33/16	(11) 2030660	
H01L 33/22	(00) 18.05.2023	
H01L 33/24	(51) B62M 6/50	
H01L 33/32	B62J 45/411	
(00) Assignment	B62M 6/65	
(71) Chromologics ApS	(00) Assignment	
(73) Chromologics ApS	(71) Holcim Technology Ltd	
(11) EP3622081	(73) Holcim Technology Ltd	
(00) 26.05.2023	(11) EP3134590	
(51) C07D 491/048	(00) 24.05.2023	
C12P 17/18	(51) E04D 5/06	
(00) Assignment	E04D 5/10	
(71) Imperial College Innovations Limited	(00) Assignment	
(73) Imperial College Innovations Limited	(71) NIKKISO CO., LTD.	

TVH

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

UP1

**Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.
Contains data concerning European patents with registered Unitary Effect.**

UP2

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).

UP3

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.

UP4

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.

UP5

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).

UP6

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).