



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

Abonnementsprijzen per (kalender)jaar:

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

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Voor taksen en depotrekeningen:

ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

Introduction

Patent Bulletin

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

Official Journal

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

Subscription rates per calendar year:

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

Visiting address: **Netherlands Patent Office**

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ING 0705001296

Iban: NL41INGB070500129

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Rubriek NP1 Bevat gegevens betreffende octrooiaanvragen die zijn ingeschreven op grond van de Octrooiwet 1995.	8 Heading NP1 Contains data concerning Netherlands patent applications which have been entered in the patent register under the Patents Act 1995.	8
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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

278Heading SPC

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

278

Rubriek VB1

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

279Heading VB1

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

279

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.

280Heading 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.

280

Rubriek MED

Bevat gegevens betreffende overige mededelingen.

281Heading MED

Contains data concerning other communications.

281

Rubriek VRV

Bevat gegevens betreffende verval of nietigverklaring.

282Heading VRV

Contains data concerning lapse or annulment.

282

Rubriek VRB

Bevat gegevens betreffende verbeteringen op eerdere publicaties.

299Heading VRB

Contains data concerning corrections on earlier publications.

299

Rubriek CO

Bevat gegevens betreffende wijzigingen in het octrooiregister.

300Heading CO

Contains data concerning changes in the Netherland patent register.

300

Rubriek TVH

Bevat gegevens betreffende topografieën van halfgeleiderproducten.

307Heading TVH

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

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Overzicht van Inid codes

INID CODES

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

- (11) Octrooinummer
- (13) Soort document volgens WIPO standaard 16
- (15) Correctie informatie
- (21) Octrooiaanvraagnummer
- (22) Datum van indiening
- (23) Datum tentoonstelling
- (25) Taal van indiening
- (26) Taal waarin de aanvraag is gepubliceerd
- (30) 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) A01C 1/04 A01G 9/14 A01G 31/02	Xi Zou Fang Shi Yujie Yuan	Hongyan Liu Qian Gao Qingcai Ye
(21) 2030805 (22) 01.02.2022	(41) 15.08.2023 (31) 202210217585.7 (32) 07.03.2022	(41) 15.08.2023 (51) A44C 25/00 (21) 1044259 (22) 09.02.2022
(54) GROWING SYSTEM FOR HYDROPONICS	(33) China	(41) 15.08.2023
(71) Rijk Zwaan Zaadteelt en Zaadhandel B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Pieter Cornelis Sonneveld (41) 11.08.2023	(51) A23F 3/16 A23F 3/34 A23F 3/40 A23L 2/52 (21) 2030836 (22) 07.02.2022	(54) SIERAAD (71) Corstiaan Johannes van Goolen (72) Corstiaan Johannes van Goolen (41) 15.08.2023
(51) A01C 21/00 A01G 7/06 A01H 1/02 G01D 21/02	(54) GANODERMA LUCIDUM FERMENTATIVE LIQUID FOOD AND PREPARATION METHOD THEREOF	(51) A61B 1/07 A61B 1/24 A61C 19/04 (21) 2030844 (22) 08.02.2022
(21) 2030848 (22) 08.02.2022 (54) A forest tree multi-character pyramiding breeding system and method	(71) Jingzhiyuan Ganoderma lucidum Planting Cooperative in Hengshui Development Zone Hengshui University	(54) DUAL-WAVEBAND VARIFOCAL ORAL CAVITY SCANNING ENDOMICROSCOPY OPTICAL SYSTEM
(71) Research Institute of Forestry Chinese Academy of Forestry (74) ir. W.J.J.M. Kempes (72) Huang Qinjun Zhang Weixi Ding Changjun Su Xiaohua Liu Qi Dong Yufeng (41) 14.08.2023	(74) ir. W.J.J.M. Kempes (72) Huixia Zhu Guowei Zhang Jinxu Sun (41) 14.08.2023	(71) Changchun University of Science and Technology (74) ir. W.J.J.M. Kempes (72) Yu Yang Yang Xiang Qi Li Zhongyu Cao Meng Dong
(51) A01G 9/24 A01G 9/14	(51) A23K 10/37 A01K 31/04 A01G 22/22 A01K 31/22 A01K 61/10 A01K 63/00	(51) A61B 5/00 (21) 2030867 (22) 09.02.2022
(21) 2030801 (22) 01.02.2022 (54) GREENHOUSE FOR GROWING A CULTIVATION	(21) 2033121 (22) 23.09.2022 (54) FINE MANAGEMENT SYSTEM FOR INTEGRATED FARMING OF AGRICULTURE AND FISHERIES	(54) ABNORMAL ECG SIGNAL IDENTIFICATION METHOD AND DEVICE BASED ON TRANSFER LEARNING AND CONFIDENCE BASED SELECTION STRATEGY
(71) VAN DER HOEVEN HORTICULTURAL PROJECTS B.V. (74) ir. M. Cramwinckel (72) Ruud Johannes Antonius Tijs Edwin Nicolaas Nieuwenhuizen (41) 11.08.2023	(71) Freshwater Fisheries Research Center, Chinese Academy of Sciences (74) ir. F.A. Geurts c.s. (72) Bing Li Gangchun Xu Jian Zhu Yiran Hou Jie He Rui Jia	(71) Wuhan University (74) ir. W.J.J.M. Kempes (72) Juan Liu
(51) A01K 61/73 A01K 61/60 A01K 61/65 A01K 61/17	(72) Bing Li Gangchun Xu Jian Zhu Yiran Hou Jie He Rui Jia	(51) A61H 3/06 (21) 2030868 (22) 09.02.2022
(21) 2031710 (22) 26.04.2022 (54) STEREOSCOPIC ARTIFICIAL FISH NEST FOR PROMOTING NATURAL PROPAGATION OF FISH THAT LAY VISCID EGGS IN RESERVOIR REGION	(51) A23L 33/14 A23L 33/105 A23L 33/135 (21) 2032233 (22) 21.06.2022	(54) MULTI-FUNCTIONAL INTELLIGENT CRUTCH FOR THE BLIND (71) Shenyang University of Technology (74) ir. W.J.J.M. Kempes (72) Danping Jia Bo Yu Yan Wang Yang Wang
(71) INSTITUTE OF HYDROECOLOGY, MWR & CAS (74) dr. T. Wittop Koning PhD (72) Qing Yang Lian Hu	(54) PROBIOTIC COMPOSITIONS FERMENTATION FORMULA AND METHOD OF PREPARATION (71) Anhui Zhongwei Weiyuan Biological Technology Co., Ltd (74) drs. C.M.A. Quintelier (72) Junhui Liu	(41) 15.08.2023 (51) A61K 33/30 A61K 33/34 A61K 47/10 A61K 47/32 A61L 26/00 A61P 31/02

- A61K 9/70
(21) 2030858
(22) 09.02.2022
(54) SPRAYABLE COMPOSITION AND USE THEREOF IN THE TREATMENT AND PREVENTION OF EPITHELIAL INFECTIONS IN ANIMALS
(71) Intracare BV
(74) dr. A. Ellens c.s.
(72) Jan van Geest
Carly Vulders
Gerwen Lammers
-
- (51) A61K 35/644
A23L 33/135
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(21) 2032234
(22) 21.06.2022
(54) ACTIVE PROBIOTICS COMPOSITIONS PREPARATION METHOD
(71) Anhui Zhongwei Weiyuan Biological Technology Co., Ltd
(74) drs. C.M.A. Quintelier
(72) Qian Gao
Qingcai Ye
Junhui Liu
Hongyan Liu
-
- (51) A61P 9/10
A61K 31/56
A61K 31/352
A61K 31/015
(21) 2030846
(22) 08.02.2022
(54) PHARMACEUTICAL COMPOSITION FOR PREVENTING ATHEROSCLEROSIS AND APPLICATION THEREOF
(71) Xinxiang Medical University
(74) ir. W.J.J.M. Kempes
(72) Huanhuan Wang
Pengfei Yang
Yanan Yu
Peng Li
Zhitao Gao
Moli Zhu
Qianqian Wang
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- (41) 14.08.2023
(51) A61P 9/14
A61K 36/758
A61K 36/489
A61K 31/045
A61K 33/04
(21) 2030832
(22) 07.02.2022
(54) DETOXIFYING DISINFECTION LOTION FOR HEMORRHOIDS AND FISTULA AND PREPARATION METHOD AND USE METHOD THEREOF
(71) Shenzhen Traditional Chinese Medicine Hospital
(74) ir. W.J.J.M. Kempes
(72) Zhijun Wei
Weilin Li
Xiangdong Zhao
Yingying Liao
Hongcheng Lin
Haoyang Chen
-
- (51) A61Q 19/08
A61K 8/9783
- A61Q 19/00
(21) 2033639
(22) 30.11.2022
(54) Polysaccharide Composition with Moisturizing, Repairing and Anti-aging Functions
(71) Wuxi ARY Biotechnology Co., Ltd.
(74) dr. T. Wittop Koning PhD
(72) Jing Zhu
(41) 15.08.2023
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- (51) A63G 27/00
(21) 2030798
(22) 01.02.2022
(54) VERBETERD MOBIELE REUZENRAD EN WERKWIJZE VOOR HET OPBOUWEN VAN HET REUZENRAD
(71) K.I.G. HEERENVEEN B.V.
(74) drs. C.H. Mink-Lindenburch
(72) Hette Knijpstra
(41) 11.08.2023
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- (51) B23P 19/04
F16H 57/04
B01D 29/00
F03D 80/50
F03D 80/70
(21) 2033638
(22) 30.11.2022
(54) TOOL FOR REPLACING FILTER CARTRIDGES OF WIND GENERATING SETS
(71) Chenxi Dong
Huaneng Fuxin Wind Power Generation Co., Ltd
(74) dr. T. Wittop Koning PhD
(72) Chenxi Dong
Qiang Zhou
Jianwei Zhou
Fengbin Lu
Jiaying Yang
Xiaodong LI
Shilin Cheng
Yingde Gai
-
- (31) 202210986756.2
(32) 17.08.2022
(33) China
(51) B23Q 1/01
B25J 5/04
B23K 37/02
(21) 2030837
(22) 07.02.2022
(54) MULTI-FREEDOM-DEGREE MACHINING ACTUATOR FOR A CURVED SURFACE OF A HULL
(71) ShanDong JiaoTong University
(74) ir. W.J.J.M. Kempes
(72) Lin Zhang
Qihua Miao
Zhiguang Guan
Siqi Zhou
Dong Zhang
(41) 14.08.2023
-
- (51) B26D 1/36
B26D 7/06
B26D 1/40
B26D 1/553
A01G 3/00
(21) 2030802
(22) 01.02.2022
- (54) Trommel voor toepassing in een afsnij-inrichting voor het afsnijden van bladeren van bloemen van planten, alsmede afsnij-inrichting
(71) Patrick Michael Antonius van Esch
(74) ir. G.J.M. Verhees
(72) Patrick Michael Antonius van Esch
(41) 11.08.2023
-
- (51) B60F 3/00
B62D 55/06
B63G 8/00
B63C 11/52
(21) 2030838
(22) 07.02.2022
(54) CRAWLER-TYPE MULTI-DEGREE-OF-FREEDOM SUBMARINE PICK-UP ROBOT
(71) ShanDong JiaoTong University
(74) ir. W.J.J.M. Kempes
(72) Chao Wang
Qihua Miao
Zhiguang Guan
Lin Zhang
Hao Zhang
(41) 14.08.2023
-
- (51) B60K 16/00
F03D 9/32
(21) 2030842
(22) 08.02.2022
(54) Een inrichting voor het vergroten van de actieradius van een elektrisch voertuig middels het winnen van elektrische energie uit luchtstromen tijdens het rijden op basis van de relatieve bewegingssnelheden tussen de twee contactmedia van elektrische voertuigen, en een elektrisch voertuig met een dergelijke inrichting.
(71) Johannes Maria Kruijt
(74) mr. ir. J. van Breda c.s.
(72) Johannes Maria Kruijt
(41) 14.08.2023
-
- (51) B60L 3/04
(21) 2030816
(22) 03.02.2022
(54) Battery management system, electric vehicle, method and control unit
(71) Lightyear IP Co B.V.
(74) ir. J.C. Volmer c.s.
(72) Egbert Willem Nicolaas de Kreij Tom Kooyman
Oguzhan Öztoprak
(41) 11.08.2023
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- (51) B63H 1/18
B63H 5/14
B63H 1/16
B63H 25/46
(21) 2030800
(22) 01.02.2022
(54) Low noise tunnel thruster
(71) Hydromaster Holding B.V.
(74) ir. J.C. Volmer c.s.
(72) Henk Terlouw
(41) 11.08.2023
-
- (51) B63H 5/14
B63B 1/40
(21) 2030859

(22) 09.02.2022	B82Y 40/00	(41) 11.08.2023
(54) VAARTUIG EN WERKWIJZE DAARVOOR	C01B 25/08 C01B 32/05	(51) C07C 29/80 C07C 31/02
(71) Anno Maria Galama Hermannes Wassink	C01B 32/15 H01M 4/136	(21) 2030853 (22) 08.02.2022
(74) dr. ir. G.J.C. Verdijck c.s.	H01M 4/58	(54) METHOD FOR PRODUCING OCTOCOSANOL WITH SPECIFIC CONTENT
(72) Anno Maria Galama	H01M 4/62	(71) Institute of Biological Resources, Jiangxi Academy of Sciences
(51) B65D 5/20 B65D 5/42 B65D 5/50 B65D 81/26 B65D 81/34 B65D 5/48	H01M 10/0525 H01M 10/054	(74) ir. M.B. Plaggenborg (72) Jianping Liu Xiongchang Guo Kexian Ouyang Lichuang Cai Yue Tu
(21) 2030806 (22) 02.02.2022	(21) 2030866 (22) 09.02.2022	(41) 14.08.2023
(54) Bakje voor voedingswaar, meer in het bijzonder voor snacks.	(54) SELF-SUPPORTING TRANSITION METAL PHOSPHIDE/CARBON COMPOSITE MATERIAL FILM, PREPARATION METHOD AND APPLICATION THEREOF AND BATTERY	(51) C11B 9/02 (21) 2030871 (22) 09.02.2022
(71) Remmert Dekker Packaging BV de Winter & Company BV	(71) CHANGZHOU INSTITUTE OF TECHNOLOGY	(54) METHOD FOR EXTRACTING ROSE ESSENTIAL
(74) mr. M.J.I. Koomen c.s.	(74) ir. W.J.J.M. Kempes	(71) Zhejiang Normal University (74) ir. M.B. Plaggenborg
(72) Kees Lambou Leon de Winter	(72) Min Wang Tianyu Liu Chuan Ding Weilong Xu Xueqin Zeng Wei Wang	(72) Shuxian Zhong Xiaoou Pan Weidong Liu Yan Xu Jianrong Chen
(41) 11.08.2023	(41) 15.08.2023	(41) 15.08.2023
(51) B65D 33/20 B65B 1/00 B65D 33/28 B65F 1/00 B65D 33/18	(51) C03C 3/097 C03C 3/095 C03C 3/089 C03C 3/087	(51) C12N 5/071 G01N 33/543
(21) 2030829 (22) 07.02.2022	(21) 2030965 (22) 16.02.2022	(21) 2030872 (22) 09.02.2022
(54) Multi-purpose shipping bag and method of using said multi-purpose shipping bag	(54) Glass for Memory Recording Media	(54) RAT LEYDIG CELL SEPARATION METHOD
(71) majem B.V.	(71) Corning Incorporated	(71) The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University
(74) ir. H.A. Witmans c.s.	(74) dr. ir. G.J.C. Verdijck c.s.	(74) ir. M.B. Plaggenborg (72) Haolin Chen Xingyi Zhao Zhenlang Lin Xiaoju Guan
(72) Anna Marcella Palacios Hendrik van Benthem	(72) Lisa Ann Lamberson Michelle Diane Pierson-Stull Peter Joseph Lezzi Liping Xiong Smith Alexander I. Priven	(72) Haolin Chen Xingyi Zhao Zhenlang Lin Xiaoju Guan
(41) 14.08.2023	(41) 15.08.2023	(71) Hefei Institutes of Physical Science, Chinese Academy of Science
(51) B65D 83/04 (21) 2030856 (22) 09.02.2022	(31) 63/308,130 (32) 09.02.2022	(51) C25B 1/00 C25B 11/052 C25B 11/054 C25B 11/091 C25B 1/27
(54) Verpakking voor tabletten.	(33) United States of America	(21) 2030879 (22) 09.02.2022
(71) Rio Mints & Sweeteners B.V.	(51) C05F 15/00 C12N 1/20 C12R 1/07	(54) PREPARATION METHOD AND APPLICATION OF BIOMASS CARBON- BASED TRANSITION METAL DIATOMIC ELECTROCATALYST
(74) ir. A. Blokland c.s.	(21) 2030811 (22) 03.02.2022	(71) Hefei Institutes of Physical Science, Chinese Academy of Science
(72) Elmer Christiaan Maas	(54) PLANT GROWTH-PROMOTING RHIZOBACTERIA BACILLUS SP. Lzh-5 AND USE THEREOF	(74) ir. M.B. Plaggenborg (72) Guozhong Wang Yunxia Zhang Hongjian Zhou Haimin Zhang Shengbo Zhang
(51) B65D 83/64 (21) 2030830 (22) 07.02.2022	(71) Dezhou University (74) ir. W.J.J.M. Kempes	(41) 15.08.2023
(54) Method for manufacturing a dispenser container for pressurized fluids and dispenser container for pressurized fluids as manufactured with this method	(72) Feng Zhu Zheng Wang Li Zhao Jintao Wang Fangting Li Shaoguo Du Zhenghua Li Zhe Zhao Kun Ran Yuxiu Xin Bin Zhan Xiaoli Sun Feng Song	(51) D06N 3/00 D06N 3/14 D06N 3/18
(71) Jan Kelders Beheer B.V.		
(74) ir. H.Th. van den Heuvel c.s.		
(72) Johannes Hubertus Jozef Maria Kelders Eduard van Veldhoven Wouter Marius Stinesen		
(41) 14.08.2023		
(51) B65D 90/20 B65D 90/02 B65D 90/08		
(21) 2030808 (22) 02.02.2022		
(54) Modular storage construction		
(71) M. Nitzsche Management B.V.		
(74) ir. J.C. Volmer c.s.		
(72) Martin Nitzsche		
(51) B82Y 30/00		

(21) 2030817	(72) Marcus Bernardus Joannes Hakvoort	(71) HUANENG RENEWABLES
(22) 03.02.2022	(41) 14.08.2023	CORPORATION LIMITED HEBEI
(54) Process for preparing a multi-layered composite suitable for making polyurethane synthetic leather	(51) E21B 7/18	BRANCH
(71) Stahl International B.V.	G01N 15/10	(74) dr. R.C. van Duijvenbode c.s.
(74) ir. H.A. Witmans c.s.	G01N 27/74	(72) Qiang Qiao
(72) Henricus Cormelis Maria Timmermans Roberto Cappozzo	B03C 1/00	Likun Li
(51) E01D 11/02	B04C 9/00	Haiyu Zhao
E01D 12/00	G01N 15/06	Conggui Duan
E01D 19/14	(21) 2030826	Hao Sun
E01D 19/16	(22) 04.02.2022	Yang Yi
E01D 21/00	(54) Measurement of particle concentration in a stream.	(31) 2023105752441
(21) 2034933	(71) Canopus Drilling Solutions Holding B.V.	(32) 22.05.2023
(22) 26.05.2023	(74) ir. J.C. Volmer c.s.	(33) China
(54) Construction method of lower cross beam of main tower of highway-railway dual-purpose and river-crossing A-type cable-stayed bridge	(72) Jan Jette Blange	(51) F17C 13/04
(71) China Railway No. 4 Engineering Group Co., Ltd.	(51) F03D 1/04	F17C 1/00
The Fourth Engineering Co., Ltd. of CTCE Group	F03D 9/20	(21) 2030809
(74) ir. W.J.J.M. Kempes	F03D 80/60	(22) 02.02.2022
(72) Debin Liu	F03D 80/80	(54) Balloon gas tank filling piece with integrated pressure release
Changxiang Xin	(21) 2035213	(71) Folat B.V.
Zhijun Gao	(22) 28.06.2023	(74) ir. J.C. Volmer c.s.
Gangjian An	(54) COOLING DEVICE FOR WIND TURBINE AND WIND POWER GENERATOR SET	(72) Marc Mulckhuysse
Kuikui Qin	(71) HUANENG RENEWABLES CORPORATION LIMITED HEBEI BRANCH	(41) 11.08.2023
Zhengpu Yuan	(74) dr. R.C. van Duijvenbode c.s.	(51) F23N 5/08
Xiaonan Guo	(72) Qiang Qiao	(21) 2030855
Haixian Ma	Jing'ao Sun	(22) 09.02.2022
(31) 202210934676.2	Chuan Zhang	(54) BURNER CONTROL SYSTEM OF OR FOR A HEATING SYSTEM AND METHOD FOR CONTROLLING A BURNER CONTROL SYSTEM
(32) 04.08.2022	Haiyu Zhao	(71) Intergas Verwarming B.V.
(33) China	Hao Sun	(74) ir. A. Blokland c.s.
(51) E02D 5/66	(31) 2023101236896	(72) Louis Visser
B28B 23/02	(32) 16.02.2023	Gerrit Zijlstra
E02D 5/58	(33) China	(51) F24D 19/10
E02D 5/30	(51) F03D 1/04	F24D 3/00
(21) 2030824	F03D 9/20	F24D 3/18
(22) 04.02.2022	F03D 80/80	F24D 12/02
(54) KOPSCHOT EN WERKWIJZE VOOR HET VERVAARDIGEN VAN HEIPALEN	(21) 2035205	(21) 2030865
(71) Lodewikus Beton B.V.	(22) 28.06.2023	(22) 09.02.2022
(74) dr. ir. G.J.C. Verdijck c.s.	(54) A WIND POWER GENERATION SYSTEM BASED ON A WIND TURBINE	(54) SOLAR HEATING SYSTEM AND MULTI-HEAT SOURCE HEATING SYSTEM
(72) Petrus Adrianus Maria van der Heyden	(71) HUANENG RENEWABLES CORPORATION LIMITED HEBEI BRANCH	(71) China Railway 21 Bureau Group Co.,Ltd. NO.2 ENGINEERING CORPORATION LIMITED OF CHINA RAILWAY 21 BUREAU GROUP
(41) 11.08.2023	(74) dr. R.C. van Duijvenbode c.s.	(74) ir. W.J.J.M. Kempes
(51) E04B 1/343	(72) Haiyu Zhao	(72) Pengjun Liu
(21) 2030819	Yanfei Zhao	Gai Lei
(22) 04.02.2022	Qingkun Hu	Hongmei Niu
(54) Guidance system for sliding a building truss along a track, a guide rail for use in such system and a building with a slideable building part.	Pengyu Liu	Jiang Liu
(71) Cosmic Systems B.V.	Qiang Qiao	Xuejun Li
(74) ir. H.Th. van den Heuvel c.s.	Zeyi Cheng	Liangxian Yin
(72) Caspar Anne Schols	(31) 2023101239254	Shuxing Yang
(41) 11.08.2023	(32) 16.02.2023	Wu Meng
(51) E05F 15/00	(33) China	Xiongmei Liu
F24F 7/02	(51) F03D 7/00	Guansheng Zhu
E04D 13/03	F03D 80/80	Ce Liu
E04D 13/035	F03D 13/30	Fengpeng Sun
(21) 2030843	(21) 2035215	Jian'an Sun
(22) 08.02.2022	(22) 29.06.2023	Qi Liu
(54) Lichtstraat	(54) VORTEX-INDUCED VIBRATION DETECTION METHOD AND SYSTEM FOR GRID-CONNECTED OPERATION OF WIND TURBINE GENERATOR SET AND STORAGE MEDIUM	Xiaohu Zhou
(71) Hak4t Facilities B.V.	(41) 15.08.2023	(41) 15.08.2023
(74) ir. B.J. 't Jong	(51) F25B 41/00	(21) 2033630
	(21) 2033630	(22) 28.11.2022
	(54) SINGLE-SOURCE THREE-TEMPERATURE COMBINED COOLING	

AND HEATING TRANSMISSION AND DISTRIBUTION SYSTEM	(21) 2030875 (22) 09.02.2022	(22) 23.11.2021 (54) A PHOTONIC WAVELENGTH DIVISION MULTIPLEXING (WDM) RECEIVER WITH POLARIZATION DIVERSITY AND/OR LOW REFLECTANCE
(71) Zhejiang Chunhui Intelligent Control Co., Ltd.	(54) TEST METHOD FOR RESETTING PITUITARY HOMEOSTASIS TO INCREASE ADULT RAT SERUM TESTOSTERONE THROUGH EXPOSURE OF BISPHENOL A IN ADOLESCENCE	(62) 2029882 (23.11.2021) (71) Intel Corporation (74) dr. A. Krebs (72) Hao Li
(74) ir. M.B. Plaggenborg	(71) The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University	Haisheng Rong Ganesh Balamurugan Taehwan Kim Mohammad Montazeri Najafabadi Duanni Huang Ling Liao Aliasghar Eftekhari Chaoxuan Ma Meer Nazmus Sakib Saeed Fathololoumi David Hui
(72) Guofang Jin Junbiao Yu Jiansong Chen	(74) ir. M.B. Plaggenborg (72) Dan Chen Haolin Chen Xiaoju Guan Xin Wen Ping Duan	(31) 17/133,347 (32) 23.12.2020 (33) United States of America
(31) 202210120850.X (32) 09.02.2022 (33) China	(51) G01N 33/92 (21) 2030869 (22) 09.02.2022	(51) G02C 11/08 (21) 2030873 (22) 09.02.2022 (54) ANTI-SPLASH GLASSES
(51) F41J 7/00 (21) 2030807 (22) 02.02.2022	(54) USE OF LIPID MARKER IN DETECTION OF BOVINE COLOSTRUM (BC) ADULTERATION	(71) The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University (74) ir. M.B. Plaggenborg (72) Ying Su Yiyang Wang Xiaoju Guan Xin Wen Haolin Chen Li Li
(54) Bullet trapping device and ballistic plate for such a device	(71) Shenyang Agricultural University (74) ir. W.J.J.M. Kempes (72) Xue Luo Qiuxiao Li Jiali Chen Xueyan Cao Xiqing Yue Mei Yang Mohan Li Yan Zheng	(71) Microsoft Technology Licensing, LLC (74) ir. J.C. Volmer c.s. (72) Assaf Bar-Ness Shoham Dekel
(71) Willem Vis (74) ir. W.J.J.M. Kempes (72) Willem Vis	(41) 15.08.2023 (51) G01N 33/94 G01N 33/50 G01N 33/74	(51) G06F 3/038 G06F 3/04883 G06F 3/041 G06F 3/01 G06F 3/0354
(51) G01B 9/02017 G01B 9/02015 G01B 11/00 G01B 9/02	(21) 2030924 (22) 14.02.2022	(21) 2030860 (22) 09.02.2022 (54) STYLUS MOVEMENT TRANSLATION SWITCHING
(21) 2030825 (22) 04.02.2022	(54) METHOD FOR TESTING EFFECT OF MIDAZOLAM ON DEVELOPMENT OF LEYDIG CELLS CULTURED IN VITRO	(71) Microsoft Technology Licensing, LLC (74) ir. J.C. Volmer c.s. (72) Pulak Goyal Ana-Maria Constantin Raphael Ghelman
(54) Position detection system using laser light interferometry.	(71) The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University (74) ir. M.B. Plaggenborg (72) Haolin Chen Minpeng Ji Xin Wen Xiaoju Guan Ping Duan	(41) 11.08.2023
(71) VDL Enabling Technologies Group B.V. (74) ir. A. Blokland c.s. (72) Francesco Patti Johannes Hubertus Antonius van de Rijdt	(71) Institute of Geology and Geophysics, Chinese Academy of Sciences (74) ir. M.B. Plaggenborg (72) Tianqi Wu Hong Liu Shoudong Huo Wenda Li	(51) G06F 9/50 G06N 3/08
(41) 15.08.2023	(31) 2030874 (32) 09.02.2022 (33) Netherlands	(21) 2030823 (22) 04.02.2022
(51) G01N 1/31 (21) 2030847 (22) 08.02.2022	(51) G01V 1/36 (21) 2030852 (22) 08.02.2022	(54) RESOURCE MANAGEMENT FOR TRAINING MACHINE LEARNING MODELS
(54) METHOD FOR MONITORING LEACHED SOIL ORGANIC CARBON OF ALPINE GRASSLAND ECOSYSTEM	(54) SEISMIC DATA DENOISING METHOD	(71) Microsoft Technology Licensing, LLC (74) ir. J.C. Volmer c.s. (72) Pulak Goyal Ana-Maria Constantin Raphael Ghelman
(71) Zhichun Zhang (74) ir. W.J.J.M. Kempes (72) Shiyu Guo Zhichun Zhang Feng Li Xinjian Zhu Yuanyao Xin Xiaoyan Kang Huibang Han	(71) Institute of Geology and Geophysics, Chinese Academy of Sciences (74) ir. M.B. Plaggenborg (72) Tianqi Wu Hong Liu Shoudong Huo Wenda Li	(41) 14.08.2023
(41) 14.08.2023	(71) Institute of Geology and Geophysics, Chinese Academy of Sciences (74) ir. M.B. Plaggenborg (72) Tianqi Wu Hong Liu Shoudong Huo Wenda Li	(51) G06F 9/50 H04W 28/02 H04W 24/02
(51) G01N 1/31 G01N 24/08 G01N 1/36	(31) 2030874 (32) 09.02.2022 (33) Netherlands	(21) 2030877 (22) 09.02.2022
(21) 2030833 (22) 07.02.2022	(51) G01V 1/36 (21) 2030852 (22) 08.02.2022	
(54) DEVICE FOR MONITORING LEACHED SOIL ORGANIC CARBON OF ALPINE GRASSLAND ECOSYSTEM	(54) SEISMIC DATA DENOISING METHOD	
(71) Zhichun Zhang (74) ir. W.J.J.M. Kempes (72) Chunying Lin Zhichun Zhang Feng Li Huibang Han Xinjian Zhu Shiyu Guo Yuanyao Xin	(71) Institute of Geology and Geophysics, Chinese Academy of Sciences (74) ir. M.B. Plaggenborg (72) Tianqi Wu Hong Liu Shoudong Huo Wenda Li	
(51) G01N 33/74 G01N 33/50	(41) 14.08.2023 (51) G02B 6/26 (21) 2034719	

(54) METHOD FOR OFFLOADING COMPUTATIONAL TASKS OF MOBILE USERS	(31) 202210118688.8 (32) 08.02.2022 (33) China	(72) Xiang Fang Liyang Zhang Zuoxi Li
(71) NANJING UNIVERSITY OF POSTS AND TELECOMMUNICATIONS	(51) G06V 10/74 G06V 10/82 G06V 20/60	(41) 15.08.2023 (31) 202310152543.4 (32) 23.02.2023 (33) China
(74) ir. M.B. Plaggenborg	(21) 2030854	(51) H01M 4/38 H01G 9/00 H01M 4/66
(72) Keyu Zhu Qi Zhu	(22) 09.02.2022	(21) 2030828 (22) 04.02.2022
(41) 15.08.2023	(54) Method to optically monitor a bicycle wheel for classifying the bicycle wheel in a predefined bicycle wheel category	(54) A THIN FILM ENERGY STORAGE DEVICE
(51) G06F 30/20 (21) 2030812 (22) 03.02.2022	(71) Holland Mechanics B.V. (74) mr. ir. J. van Breda c.s.	(71) Real Scientists Limited (74) ir. A. van der Maarl
(54) METHOD FOR DETERMINING A MANUFACTURABLE DESIGN OF A LAMINATE	(72) Andreas Jozef Segers Nelson Atema	(72) Alexander Kornev Alena Shumskaya Siarhei Kostevitch
(71) Technische Universiteit Delft (74) dr. ir. G.J.C. Verdijk c.s.	(41) 15.08.2023	(41) 11.08.2023
(72) Mohamed Gomaa Abdulfattah Tolba Thore Johannes Goris Roepman Julien Marie Jan Ferdinand van Campen	(51) G06V 20/10 G06Q 50/02 (21) 2034042 (22) 29.01.2023	(51) H01M 50/244 H01M 50/333 H01M 50/392 B65D 85/30
(41) 11.08.2023	(54) TECHNOLOGY FOR EXTRACTING GRAPE PEST INFORMATION BASED ON REMOTE SENSING TECHNOLOGY	(21) 2030863 (22) 09.02.2022
(51) G06N 3/04 G06N 3/08	(71) Ningxia Technical College of Wine and Desertification Prevention	(54) A container system arranged for storing and/or transporting a rechargeable battery
(21) 2031026 (22) 22.02.2022	(74) dr. T. Wittop Koning PhD	(71) VDL Staalservice B.V. (74) ir. A. Blokland c.s.
(54) SELF-SUPERVISED BASED APPROACH FOR MITIGATING CATASTROPHIC FORGETTING IN CONTINUAL LEARNING	(72) Xuehua Gao (41) 15.08.2023	(72) Lambert Cornelis Dekkers Paul Emeri Malcontent
(71) NavInfo Europe B.V. (74) mr. ir. J. van Breda c.s.	(51) G08B 13/24 (21) 2030820 (22) 04.02.2022	(41) 15.08.2023
(72) Elahe Arani Prashant Shivaram Bhat Bahram Zonooz	(54) Tracking identifiable assets (71) Nedap N.V. (74) ir. H.A. Witmans c.s.	(51) H01M 50/256 H01M 50/244 B65D 85/30
(31) 17/667,364 (32) 08.02.2022 (33) United States of America	(72) Steven Floris Heijs Jeroen Michaël Struycken Daniël Corneel Diogenes Doorman	(21) 2030862 (22) 09.02.2022
(51) G06N 3/045 G06T 7/00 G06T 7/10	(41) 11.08.2023	(54) A container system arranged for storing and/or transporting a rechargeable battery
(21) 2030878 (22) 09.02.2022	(51) H01L 31/05 (21) 2031858 (22) 13.05.2022	(71) VDL Staalservice B.V. (74) ir. A. Blokland c.s.
(54) METHOD AND DEVICE FOR RETINAL VESSEL SEGMENTATION BASED ON VESSEL FEATURES AND STORAGE MEDIUM	(54) SOLAR CELL STRING, SOLAR MODULE, AND PHOTOVOLTAIC SYSTEM	(72) Paul Emeri Malcontent Lambert Cornelis Dekkers
(71) Hunan Normal University (74) ir. M.B. Plaggenborg (72) Jinping Liu Wenxiang Chen Pengfei Xu Juanjuan Wu Gangjin Zhao Xinyi Song	(71) Guangdong Aiko Solar Energy Technology Co., Ltd. (74) dr. A. Krebs (72) Xinqiang Yang Yongqian Wang Wenli Xu Gang Chen	(41) 15.08.2023
(41) 15.08.2023	(74) dr. T. Wittop Koning PhD	(51) H02K 11/33 H02K 7/14
(51) G06N 3/08 G06N 3/04 G06T 7/11	(31) 202210115869.5 (32) 07.02.2022 (33) China	(21) 2030864 (22) 09.02.2022
(21) 2032957 (22) 05.09.2022	(51) H01M 4/13 H01M 4/139 H01M 4/60 C07F 3/08	(54) BRUSHLESS DIRECT-CURRENT SPEED REGULATION SWITCH WITH HIGHLY INTEGRATED STRUCTURE
(54) SEMANTIC IMAGE SEGMENTATION METHOD BASED ON CNUNet3+	(54) MOFS-DERIVED CARBON AEROGELS, PREPARATION METHOD THEREOF AND APPLICATION THEREOF IN LITHIUM ION BATTERY	(71) ZHEJIANG JIABEN ELECTRONICS CO., LTD. (74) ir. W.J.J.M. Kempes (72) Shenglong Ni
(71) Hunan University (74) ir. M.B. Plaggenborg (72) Qisheng Liu Honglin Ouyang Bin Zhang Yingda Zhu	(71) Soochow MOFs Science and Technology Ltd. (74) dr. T. Wittop Koning PhD	(51) H04M 1/02 G06F 1/16 (21) 2030803 (22) 01.02.2022
		(54) COMPUTING DEVICE DISPLAY FRAME TRANSLATION MECHANISM (71) Microsoft Technology Licensing, LLC (74) ir. J.C. Volmer c.s. (72) Denys V. Yaremenko

Brett Andrew Tomky

Errol Mark Tazbaz

(41) 11.08.2023

(51) H04W 24/06

G06F 18/2411

H04W 72/53

(21) 2030876

(22) 09.02.2022

(54) RESOURCE ALLOCATION METHOD
BASED ON SUPPORT VECTOR
MACHINE IN HETEROGENEOUS
NETWORK

(71) NANJING UNIVERSITY OF POSTS AND
TELECOMMUNICATIONS

(74) ir. M.B. Plaggenborg

(72) Zhiyuan Wang

Qi Zhu

(41) 15.08.2023

NP2

**Ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.
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(51) A01C 21/00 A01G 7/06 A01H 1/02 G01D 21/02 (11) 2030848 (47) 14.08.2023 (22) 08.02.2022 (54) A forest tree multi-character pyramiding breeding system and method (73) Research Institute of Forestry Chinese Academy of Forestry (72) Huang Qinjun Zhang Weixi Ding Changjun Su Xiaohua Liu Qi Dong Yufeng (74) ir. W.J.J.M. Kempes	(51) A23F 3/16 A23F 3/34 A23F 3/40 A23L 2/52 (11) 2030836 (47) 14.08.2023 (22) 07.02.2022 (54) GANODERMA LUCIDUM FERMENTATIVE LIQUID FOOD AND PREPARATION METHOD THEREOF (73) Jingzhiyuan Ganoderma lucidum Planting Cooperative in Hengshui Development Zone Hengshui University (72) Huixia Zhu Guowei Zhang Jinxu Sun (74) ir. W.J.J.M. Kempes	(51) A44C 25/00 (11) 1044259 (47) 15.08.2023 (22) 09.02.2022 (54) SIERAAD (73) Corstiaan Johannes van Goolen (72) Corstiaan Johannes van Goolen
(51) A01G 9/12 (11) 2033119 (47) 14.08.2023 (22) 23.09.2022 (54) IMPROVED CROP HOOK OR TOMATO HOOK, USE THEREOF AND WAREHOUSE COMPRISING THE CROP HOOK (73) FLEXIBELL SYSTEMS B.V. (72) Pierrot Daniel Phillip Bell Karel Jan Schoenmaker (74) ir. M.B. Plaggenborg (31) PCT/EP2021/076870 (32) 29.09.2021 (33) European Patent Office (EPO)	(51) A23K 20/121 A23K 50/10 (11) 2033943 (47) 14.08.2023 (22) 11.01.2023 (54) USE OF BIOCHANIN A IN PROMOTING PRODUCTION PERFORMANCE OF RUMINANT (73) Institute of Animal Sciences, Chinese Academy of Agricultural Sciences (72) Shengguo Zhao Yangdong Zhang Nan Zheng Jiaqi Wang (74) ir. W.J.J.M. Kempes	(51) A47B 91/02 F16B 5/02 F16M 7/00 (11) 2030528 (47) 11.08.2023 (22) 13.01.2022 (54) Adjustable levelling pad (73) Aktiebolaget SKF (72) Abraham Hendrik Hooghart Rene Vermeulen (74) J. Hoekstra (31) 102021102114.6 (32) 29.01.2021 (33) Germany
(51) A01G 9/24 A01G 9/14 (11) 2030801 (47) 11.08.2023 (22) 01.02.2022 (54) GREENHOUSE FOR GROWING A CULTIVATION (73) VAN DER HOEVEN HORTICULTURAL PROJECTS B.V. (72) Ruud Johannes Antonius Tijs Edwin Nicolaas Nieuwenhuizen (74) ir. M. Cramwinckel	(51) A23L 33/14 A23L 33/105 A23L 33/135 (11) 2032233 (47) 15.08.2023	(51) A61B 1/07 A61B 1/24 A61C 19/04 (11) 2030844 (47) 14.08.2023 (22) 08.02.2022 (54) DUAL-WAVEBAND VARIFOCAL ORAL CAVITY SCANNING ENDOMICROSCOPY OPTICAL SYSTEM (73) Changchun University of Science and Technology (72) Yu Yang Yang Xiang Qi Li Zhongyu Cao Meng Dong (74) ir. W.J.J.M. Kempes
(51) A01K 61/73 A01K 61/60 A01K 61/65		(51) A61B 5/00 (11) 2030867 (47) 15.08.2023 (22) 09.02.2022 (54) ABNORMAL ECG SIGNAL IDENTIFICATION METHOD AND DEVICE BASED ON TRANSFER LEARNING AND CONFIDENCE BASED SELECTION STRATEGY (73) Wuhan University

(72) Juan Liu	(74) ir. W.J.J.M. Kempes	(32) 17.08.2022
(74) ir. W.J.J.M. Kempes	(51) A61P 9/14	(33) China
(51) A61H 3/06	A61K 36/758	(51) B23Q 1/01
(11) 2030868	A61K 36/489	B25J 5/04
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(54) MULTI-FUNCTIONAL INTELLIGENT CRUTCH FOR THE BLIND	(11) 2030832	(47) 14.08.2023
(73) Shenyang University of Technology	(47) 14.08.2023	(22) 07.02.2022
(72) Danping Jia	(22) 07.02.2022	(54) MULTI-FREEDOM-DEGREE MACHINING ACTUATOR FOR A CURVED SURFACE OF A HULL
Bo Yu	(54) DETOXIFYING DISINFECTION LOTION FOR HEMORRHOIDS AND FISTULA AND PREPARATION METHOD AND USE METHOD THEREOF	(73) ShanDong JiaoTong University
Yan Wang	(73) Shenzhen Traditional Chinese Medicine Hospital	(72) Lin Zhang
Yang Wang	(72) Zhijun Wei	Qihua Miao
(74) ir. W.J.J.M. Kempes	Weilin Li	Zhiguang Guan
(51) A61K 33/30	Xiangdong Zhao	Siqi Zhou
A61K 33/34	Yingying Liao	Dong Zhang
A61K 47/10	Hongcheng Lin	(74) ir. W.J.J.M. Kempes
A61K 47/32	Haoyang Chen	(51) B26D 1/36
A61L 26/00	(74) ir. W.J.J.M. Kempes	B26D 7/06
A61P 31/02	(51) A61Q 19/08	B26D 1/40
A61K 9/70	A61K 8/9783	B26D 1/553
(11) 2030858	A61Q 19/00	A01G 3/00
(47) 15.08.2023	(11) 2033639	(11) 2030802
(22) 09.02.2022	(47) 15.08.2023	(47) 11.08.2023
(54) SPRAYABLE COMPOSITION AND USE THEREOF IN THE TREATMENT AND PREVENTION OF EPITHELIAL INFECTIONS IN ANIMALS	(22) 30.11.2022	(22) 01.02.2022
(73) Intracare BV	(54) Polysaccharide Composition with Moisturizing, Repairing and Anti-aging Functions	(54) Trommel voor toepassing in een afsnij-inrichting voor het afsnijden van bladeren van bloemen van planten, alsmede afsnij-inrichting
(72) Jan van Geest	(73) Wuxi ARY Biotechnology Co., Ltd.	(73) Patrick Michael Antonius van Esch
Carly Vuldere	(72) Jing Zhu	(72) Patrick Michael Antonius van Esch
Gerwen Lammers	(74) dr. T. Wittop Koning PhD	(74) ir. G.J.M. Verhees
(74) dr. A. Ellens c.s.	(51) A63G 27/00	(51) B28B 1/00
(51) A61K 35/644	(11) 2030798	B33Y 10/00
A23L 33/135	(47) 11.08.2023	B28B 1/14
A61K 36/886	(22) 01.02.2022	E04B 1/16
(11) 2032234	(54) VERBETERD MOBIEL REUZENRAD EN WERKWIJZE VOOR HET OPBOUWEN VAN HET REUZENRAD	E04C 5/06
(47) 15.08.2023	(73) K.I.G. HEERENVEEN B.V.	B28B 23/02
(22) 21.06.2022	(72) Hette Knijpstra	(11) 2032648
(54) ACTIVE PROBIOTICS COMPOSITIONS PREPARATION METHOD	(74) drs. C.H. Mink-Lindenburg	(47) 11.08.2023
(73) Anhui Zhongwei Weiyuan Biological Technology Co., Ltd	(51) B23P 19/04	(22) 31.07.2022
(72) Qian Gao	F16H 57/04	(54) Werkwijze voor het vervaardigen van een bouwmodule door middel van 3D-betonprinten
Qingcai Ye	B01D 29/00	(73) CyBe Construction BV
Junhui Liu	F03D 80/50	(72) Lambertus Nicolaas Hendriks
Hongyan Liu	F03D 80/70	(74) ir. G.J.M. Verhees
(74) drs. C.M.A. Quintelier	(11) 2033638	(31) 2028922
(51) A61P 9/10	(47) 15.08.2023	(32) 04.08.2021
A61K 31/56	(22) 30.11.2022	(33) Netherlands
A61K 31/352	(54) TOOL FOR REPLACING FILTER CARTRIDGES OF WIND GENERATING SETS	(51) B60F 3/00
A61K 31/015	(73) Chenxi Dong	B62D 55/06
(11) 2030846	Huaneng Fuxin Wind Power Generation Co., Ltd	B63G 8/00
(47) 14.08.2023	(72) Chenxi Dong	B63C 11/52
(22) 08.02.2022	Qiang Zhou	(11) 2030838
(54) PHARMACEUTICAL COMPOSITION FOR PREVENTING ATHEROSCLEROSIS AND APPLICATION THEREOF	Jianwei Zhou	(47) 14.08.2023
(73) Xinxiang Medical University	Fengbin Lu	(22) 07.02.2022
(72) Huanhuan Wang	Jiaying Yang	(54) CRAWLER-TYPE MULTI-DEGREE-OF-FREEDOM SUBMARINE PICK-UP ROBOT
Pengfei Yang	Xiaodong LI	(73) ShanDong JiaoTong University
Yanan Yu	Shilin Cheng	(72) Chao Wang
Peng Li	Yingde Gai	Qihua Miao
Zhitao Gao	(74) dr. T. Wittop Koning PhD	Zhiguang Guan
Moli Zhu	(31) 202210986756.2	Lin Zhang
Qianqian Wang		Hao Zhang

(74) ir. W.J.J.M. Kempes	(73) Hydromaster Holding B.V.	C01B 32/05
(51) B60K 16/00	(72) Henk Terlouw	C01B 32/15
F03D 9/32	(74) ir. J.C. Volmer c.s.	H01M 4/136
(11) 2030842	(51) B65D 5/20	H01M 4/58
(47) 14.08.2023	B65D 5/42	H01M 4/62
(22) 08.02.2022	B65D 5/50	H01M 10/0525
(54) Een inrichting voor het vergroten van de actieradius van een elektrisch voertuig middels het winnen van elektrische energie uit luchtstromen tijdens het rijden op basis van de relatieve bewegingssnelheden tussen de twee contactmedia van elektrische voertuigen, en een elektrisch voertuig met een dergelijke inrichting.	B65D 81/26	H01M 10/054
(73) Johannes Maria Kruijt	B65D 81/34	(11) 2030866
(72) Johannes Maria Kruijt	B65D 5/48	(47) 15.08.2023
(74) mr. ir. J. van Breda c.s.	(11) 2030806	(22) 09.02.2022
(51) B60L 3/04	(47) 11.08.2023	(54) SELF-SUPPORTING TRANSITION METAL PHOSPHIDE/CARBON COMPOSITE MATERIAL FILM, PREPARATION METHOD AND APPLICATION THEREOF AND BATTERY
(11) 2030816	(22) 02.02.2022	(73) CHANGZHOU INSTITUTE OF TECHNOLOGY
(47) 11.08.2023	(54) Bakje voor voedingswaar, meer in het bijzonder voor snacks.	(72) Min Wang
(22) 03.02.2022	(73) Remmert Dekker Packaging BV de Winter & Company BV	Tianyu Liu
(54) Battery management system, electric vehicle, method and control unit	(72) Kees Lamboo	Chuan Ding
(73) Lightyear IPCo B.V.	Leon de Winter	Weilong Xu
(72) Egbert Willem Nicolaas de Kreij Tom Kooyman	(74) mr. M.J.I. Koomen c.s.	Xueqin Zeng
Oguzhan Öztoprak	(51) B65D 33/20	Wei Wang
(74) ir. J.C. Volmer c.s.	B65B 1/00	(74) ir. W.J.J.M. Kempes
(51) B62B 7/06	B65D 33/28	(51) C03C 3/097
B62B 9/12	B65F 1/00	C03C 3/095
(11) 2029141	B65D 33/18	C03C 3/089
(47) 15.08.2023	(11) 2030829	C03C 3/087
(22) 07.09.2021	(47) 14.08.2023	(11) 2030965
(54) A BABY STROLLER HAVING A FRAME WITH ADJUSTABLE WIDTH	(22) 07.02.2022	(47) 15.08.2023
(73) AVALEX INVESTMENT LIMITED	(54) Multi-purpose shipping bag and method of using said multi-purpose shipping bag	(22) 16.02.2022
(72) Ivan Vasylovych Prushko	(73) majem B.V.	(54) Glass for Memory Recording Media
(74) ir. A. Blokland c.s.	(72) Anna Marcella Palacios Hendrik van Benthem	(73) Corning Incorporated
(31) U202005796	(74) ir. H.A. Witmans c.s.	(72) Lisa Ann Lamberson
(32) 09.09.2020	(51) B65D 83/04	Michelle Diane Pierson-Stull
(33) Ukraine	(11) 2030856	Peter Joseph Lezzi
(51) B63C 11/24	(47) 15.08.2023	Liping Xiong Smith
(11) 1044465	(22) 09.02.2022	Alexander I. Priven
(47) 14.08.2023	(54) Verpakking voor tabletten.	(74) dr. ir. G.J.C. Verdijck c.s.
(22) 15.11.2022	(73) Rio Mints & Sweeteners B.V.	(31) 63/308,130
(54) SCRUBBER-HEATING APPARATUS FOR DIVING REBREATHES	(72) Elmer Christiaan Maas	(32) 09.02.2022
(73) JUNIOR CO., LTD.	(74) ir. A. Blokland c.s.	(33) United States of America
(72) Hsin Yu Lo	(51) B65D 83/64	(51) C03C 25/106
Ching Lin Fang	(11) 2030830	C03C 25/104
Shao Hang Hung	(47) 14.08.2023	C03C 25/24
Pei Jing Lin	(22) 07.02.2022	(11) 2033985
Yu Shan Zhou	(54) Method for manufacturing a dispenser container for pressurized fluids and dispenser container for pressurized fluids as manufactured with this method	(47) 14.08.2023
Ching Han Fang	(73) Jan Kelders Beheer B.V.	(22) 19.01.2023
(74) drs. O. Griebeling	(72) Johannes Hubertus Jozef Maria Kelders Eduard van Veldhoven Wouter Marius Stinesen	(54) RESIN COMPOSITION, OPTICAL FIBER, METHOD FOR PRODUCING OPTICAL FIBER, OPTICAL FIBER RIBBON, AND OPTICAL FIBER CABLE
(31) 110214070	(74) ir. H.Th. van den Heuvel c.s.	(73) Sumitomo Electric Industries Ltd.
(32) 26.11.2021	(51) B65D 90/20	(72) Yuya Homma
(33) Taiwan, Chinese Taipei	B65D 90/02	(74) ir. J.C. Volmer c.s.
(51) B63H 1/18	B65D 90/08	(31) JP2022-006855
B63H 5/14	(11) 2030808	(32) 20.01.2022
B63H 1/16	(47) 11.08.2023	(33) Japan
B63H 25/46	(22) 02.02.2022	(51) C04B 28/14
(11) 2030800	(54) Modular storage construction	(11) 2030726
(47) 11.08.2023	(73) M. Nitzsche Management B.V.	(47) 11.08.2023
(22) 01.02.2022	(72) Martin Nitzsche	(22) 26.01.2022
(54) Low noise tunnel thruster	(74) ir. J.C. Volmer c.s.	(54) PREPARING METHOD OF TWO-COMPONENT PACKING CEMENT
	(51) B82Y 30/00	(73) Shanghai Yueli New Material Technology Co., Ltd.
	B82Y 40/00	(72) Zhifei Wang
	C01B 25/08	

- (74) ir. W.J.J.M. Kempes
 (51) C05F 15/00
 C12N 1/20
 C12R 1/07
 (11) 2030811
 (47) 11.08.2023
 (22) 03.02.2022
 (54) PLANT GROWTH-PROMOTING
 RHIZOBACTERIA BACILLUS SP. Lzh-5
 AND USE THEREOF
 (73) Dezhou University
 (72) Feng Zhu
 Zheng Wang
 Li Zhao
 Jintao Wang
 Fangting Li
 Shaoguo Du
 Zhenghua Li
 Zhe Zhao
 Kun Ran
 Yuxiu Xin
 Bin Zhan
 Xiaoli Sun
 Feng Song
 (74) ir. W.J.J.M. Kempes
 (51) C07C 29/80
 C07C 31/02
 (11) 2030853
 (47) 14.08.2023
 (22) 08.02.2022
 (54) METHOD FOR PRODUCING
 OCTOCOSANOL WITH SPECIFIC
 CONTENT
 (73) Institute of Biological Resources, Jiangxi
 Academy of Sciences
 (72) Jianping Liu
 Xiongchang Guo
 Kexian Ouyang
 Lichuang Cai
 Yue Tu
 (74) ir. M.B. Plaggenborg
 (51) C07C 41/36
 C07C 43/13
 B01D 15/12
 B01D 15/26
 (11) 2028630
 (47) 14.08.2023
 (22) 06.07.2021
 (54) METHOD FOR IMPROVING PURITY OF
 BATYL ALCOHOL IN SHARK LIVER OIL
 (73) ZHEJIANG GONGSHANG UNIVERSITY
 (72) Qing Shen
 Jiabin Wang
 Zhiyuan Dai
 Gongshuai Song
 Ping'an Zheng
 Beiwei Zhu
 (74) ir. W.J.J.M. Kempes
 (31) 202010641963.5
 (32) 06.07.2020
 (33) China
 (51) C11B 9/02
 (11) 2030871
 (47) 15.08.2023
 (22) 09.02.2022
 (54) METHOD FOR EXTRACTING ROSE
 ESSENTIAL
 (73) Zhejiang Normal University
- (72) Shuxian Zhong
 Xiaou Pan
 Weidong Liu
 Yan Xu
 Jianrong Chen
 (74) ir. M.B. Plaggenborg
 (51) C12N 5/071
 G01N 33/543
 (11) 2030872
 (47) 15.08.2023
 (22) 09.02.2022
 (54) RAT LEYDIG CELL SEPARATION
 METHOD
 (73) The Second Affiliated Hospital and
 Yuying Children's Hospital of Wenzhou
 Medical University
 (72) Haolin Chen
 Xingyi Zhao
 Zhenlang Lin
 Xiaojun Guan
 (74) ir. M.B. Plaggenborg
 (51) C25B 1/00
 C25B 11/052
 C25B 11/054
 C25B 11/091
 C25B 1/27
 (11) 2030879
 (47) 15.08.2023
 (22) 09.02.2022
 (54) PREPARATION METHOD AND
 APPLICATION OF BIOMASS CARBON-
 BASED TRANSITION METAL DIATOMIC
 ELECTROCATALYST
 (73) Hefei Institutes of Physical Science,
 Chinese Academy of Science
 (72) Guozhong Wang
 Yunxia Zhang
 Hongjian Zhou
 Haimin Zhang
 Shengbo Zhang
 (74) ir. M.B. Plaggenborg
 (51) D06N 3/00
 D06N 3/14
 D06N 3/18
 (11) 2030817
 (47) 11.08.2023
 (22) 03.02.2022
 (54) Process for preparing a multi-layered
 composite suitable for making
 polyurethane synthetic leather
 (73) Stahl International B.V.
 (72) Henricus Cormelis Maria Timmermans
 Roberto Cappozzo
 (74) ir. H.A. Witmans c.s.
 (51) E02D 3/054
 E02D 3/12
 E02D 5/38
 E02D 5/46
 E02D 15/04
 C04B 28/00
 (11) 2033302
 (47) 14.08.2023
 (22) 13.10.2022
 (54) CONSTRUCTION METHOD FOR
 REINFORCING MISCELLANEOUS FILL
 FOUNDATION THROUGH VIBRATORY
 PROBE COMPACTION-GROUTING
 METHOD
- (73) HuangHuai University
 ZhengZhou University Multi-functional
 Design and Research Academy Co. Ltd.
 (72) Songyu Liu
 Yan Yang
 Tonghe Zhou
 Wei Gao
 Yuancheng Guo
 Cong Zhou
 Guangyin Du
 Jianfei Yan
 (74) ir. M.B. Plaggenborg
 (31) 202111364095.1
 (32) 17.11.2021
 (33) China
 (51) E02D 5/66
 B28B 23/02
 E02D 5/58
 E02D 5/30
 (11) 2030824
 (47) 11.08.2023
 (22) 04.02.2022
 (54) KOPSCHOT EN WERKWIJZE VOOR
 HET VERVAARDIGEN VAN HEIPALEN
 (73) Lodewikus Beton B.V.
 (72) Petrus Adrianus Maria van der Heyden
 (74) dr. ir. G.J.C. Verdijck c.s.
 (51) E04B 1/343
 (11) 2030819
 (47) 11.08.2023
 (22) 04.02.2022
 (54) Guidance system for sliding a building
 truss along a track, a guide rail for use
 in such system and a building with a
 slideable building part.
 (73) Cosmic Systems B.V.
 (72) Caspar Anne Schols
 (74) ir. H.Th. van den Heuvel c.s.
 (51) E05F 15/00
 F24F 7/02
 E04D 13/03
 E04D 13/035
 (11) 2030843
 (47) 14.08.2023
 (22) 08.02.2022
 (54) Lichtstraat
 (73) Hak4t Facilities B.V.
 (72) Marcus Bernardus Joannes Hakvoort
 (74) ir. B.J. 't Jong
 (51) E06B 9/60
 E06B 9/88
 (11) 2033435
 (47) 14.08.2023
 (22) 01.11.2022
 (54) DECELERATING AND POSITIONING
 DEVICE FOR ROLLER SHADE
 (73) Chih-Yung Wang
 (72) Chih-Yung Wang
 (74) dr. R.C. van Duijvenbode c.s.
 (51) E21B 7/18
 G01N 15/10
 G01N 27/74
 B03C 1/00
 B04C 9/00
 G01N 15/06
 (11) 2030826
 (47) 11.08.2023

(22) 04.02.2022	(33) Germany	(33) Netherlands
(54) Measurement of particle concentration in a stream.	(51) F17C 13/04 F17C 1/00	(51) F41J 7/00
(73) Canopus Drilling Solutions Holding B.V.	(11) 2030809	(11) 2030807
(72) Jan Jette Blange	(47) 11.08.2023	(47) 11.08.2023
(74) ir. J.C. Volmer c.s.	(22) 02.02.2022	(22) 02.02.2022
(51) F03B 13/20	(54) Balloon gas tank filling piece with integrated pressure release	(54) Bullet trapping device and ballistic plate for such a device
(11) 2033453	(73) Folat B.V.	(73) Willem Vis
(47) 14.08.2023	(72) Marc Mulckhuyse	(72) Willem Vis
(22) 03.11.2022	(74) ir. J.C. Volmer c.s.	(74) ir. W.J.J.M. Kempes
(54) A Floating Wave Energy Conversion Device with an Auxiliary Stable Conversion Mechanism	(51) F23N 5/08	(51) G01B 9/02017
(73) Dalian Maritime University	(11) 2030855	G01B 9/02015
(72) Wenjie Guo	(47) 15.08.2023	G01B 11/00
Kunda He	(22) 09.02.2022	G01B 9/02
Hongtao Gao	(54) BURNER CONTROL SYSTEM OF OR FOR A HEATING SYSTEM AND METHOD FOR CONTROLLING A BURNER CONTROL SYSTEM	(11) 2030825
Shuai Ding	(73) Intergas Verwarming B.V.	(47) 15.08.2023
(74) ir. W.J.J.M. Kempes	(72) Louis Visser	(22) 04.02.2022
(31) 2021114160504	(74) ir. A. Blokland c.s.	(54) Position detection system using laser light interferometry.
(32) 25.11.2021	(51) F24D 19/10	(73) VDL Enabling Technologies Group B.V.
(33) China	(51) F24D 3/00	(72) Francesco Patti
(51) F03D 9/32	F24D 3/18	Johannes Hubertus Antonius van de Rijdt
B60P 3/36	F24D 12/02	(74) ir. A. Blokland c.s.
F03D 3/00	(11) 2030865	(51) G01N 1/31
(11) 2031441	(47) 15.08.2023	(11) 2030847
(47) 14.08.2023	(22) 09.02.2022	(47) 14.08.2023
(22) 29.03.2022	(54) SOLAR HEATING SYSTEM AND MULTI-HEAT SOURCE HEATING SYSTEM	(22) 08.02.2022
(54) SELF-GENERATED RECREATIONAL VEHICLE	(73) China Railway 21 Bureau Group Co.,Ltd. NO.2 ENGINEERING CORPORATION LIMITED OF CHINA RAILWAY 21 BUREAU GROUP	(54) METHOD FOR MONITORING LEACHED SOIL ORGANIC CARBON OF ALPINE GRASSLAND ECOSYSTEM
(73) Chongqing Vocational Institute of Engineering	(72) Pengjun Liu	(73) Zhichun Zhang
(72) Shaohua Fu	Gai Lei	(72) Shiyu Guo
Xiao Fu	Hongmei Niu	Zhichun Zhang
(74) ir. M.B. Plaggenborg	Jiang Liu	Feng Li
(31) 202110991087.3	Xuejun Li	Xinjian Zhu
(32) 26.08.2021	Liangxian Yin	Yuanyao Xin
(33) China	Shuxing Yang	Xiaoyan Kang
(51) F16B 5/02	Wu Meng	Huibang Han
A47B 91/02	Xiongmei Liu	(74) ir. W.J.J.M. Kempes
F16M 7/00	Guansheng Zhu	(51) G01N 1/31
(11) 2030529	Ce Liu	G01N 24/08
(47) 11.08.2023	Fengpeng Sun	G01N 1/36
(22) 13.01.2022	Jian'an Sun	(11) 2030833
(54) Adjustable levelling pad having a protection cap	Qi Liu	(47) 14.08.2023
(73) Aktiebolaget SKF	Xiaohu Zhou	(22) 07.02.2022
(72) Rene Vermeulen	(74) ir. W.J.J.M. Kempes	(54) DEVICE FOR MONITORING LEACHED SOIL ORGANIC CARBON OF ALPINE GRASSLAND ECOSYSTEM
Abraham Hendrik Hooghart	(51) F24F 13/28	(73) Zhichun Zhang
(74) J. Hoekstra	B60H 3/06	(72) Chunying Lin
(31) 102021102117.0	(11) 2028597	Zhichun Zhang
(32) 29.01.2021	(47) 14.08.2023	Feng Li
(33) Germany	(22) 30.06.2021	Huibang Han
(51) F16M 7/00	(54) Air Conditioner Filter	Xinjian Zhu
A47B 91/02	(73) Zhejiang brother star auto fittings CO., LTD	Shiyu Guo
F16B 5/02	(72) Jianmin Xia	Yuanyao Xin
(11) 2032304	Jianrong Xia	(74) ir. W.J.J.M. Kempes
(47) 11.08.2023	Hongyan Chen	(51) G01N 33/58
(22) 28.06.2022	Jun Li	G01N 33/543
(54) Adjustable levelling kit and associated installation method	Jianjun Xia	B01L 3/00
(73) Aktiebolaget SKF	Weibo Zhang	(11) 2030972
(72) Rene Vermeulen	(31) 2027329	(47) 11.08.2023
Abraham Hendrik Hooghart	(32) 17.01.2021	(22) 16.02.2022
(74) J. Hoekstra		(54) KIT FOR QUANTITATIVE DETECTION USING FLUORESCENT MICROARRAY
(31) 102021207060.4		(73) Hangzhou Zheda Dixun Biological Gene Engineering Co., Ltd.
(32) 06.07.2021		

(72) Yifei Wang Yi Liu Shandong Wu Zhoujie Wu Mingzhi Zhu Meijie Wang Shaochang Wu Shanshan Chen Chuhan Chen Huahao Shen	(74) ir. M.B. Plaggenborg (31) 2030874 (32) 09.02.2022 (33) Netherlands	(31) 102021000022904 (32) 03.09.2021 (33) Italy
(74) ir. M.B. Plaggenborg (31) 202110409320.2 (32) 16.04.2021 (33) China	(51) G01N 33/74 G01N 33/50 (11) 2030875 (47) 15.08.2023 (22) 09.02.2022 (54) TEST METHOD FOR RESETTING PITUITARY HOMEOSTASIS TO INCREASE ADULT RAT SERUM TESTOSTERONE THROUGH EXPOSURE OF BISPHENOL A IN ADOLESCENCE	(51) G06F 3/038 G06F 3/04883 G06F 3/041 G06F 3/01 G06F 3/0354 (11) 2030860 (47) 15.08.2023 (22) 09.02.2022 (54) STYLUS MOVEMENT TRANSLATION SWITCHING
(73) The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University (72) Dan Chen Haolin Chen Xiaoju Guan Xin Wen Ping Duan	(72) Tianqi Wu Hong Liu Shoudong Huo Wenda Li (74) ir. M.B. Plaggenborg (51) G02C 11/08 (11) 2030873 (47) 15.08.2023 (22) 09.02.2022 (54) ANTI-SPLASH GLASSES	(73) Institute of Geology and Geophysics, Chinese Academy of Sciences (54) SEISMIC DATA DENOISING METHOD (73) Microsoft Technology Licensing, LLC (72) Assaf Bar-Ness Shoham Dekel (74) ir. J.C. Volmer c.s. (51) G06F 9/50 G06N 3/08 (11) 2030823 (47) 11.08.2023 (22) 04.02.2022 (54) RESOURCE MANAGEMENT FOR TRAINING MACHINE LEARNING MODELS
(74) ir. M.B. Plaggenborg (51) G01N 33/92 (11) 2030869 (47) 15.08.2023 (22) 09.02.2022 (54) USE OF LIPID MARKER IN DETECTION OF BOVINE COLOSTRUM (BC) ADULTERATION	(73) The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University (72) Ying Su Yiyan Wang Xiaoju Guan Xin Wen Haolin Chen Li Li (74) ir. M.B. Plaggenborg (51) G03F 7/20 H05G 2/00 (11) 2032486 (47) 14.08.2023 (22) 09.08.2021 (54) EXTREME ULTRAVIOLET LIGHT GENERATION APPARATUS AND ELECTRONIC DEVICE MANUFACTURING METHOD	(73) Microsoft Technology Licensing, LLC (72) Pulak Goyal Ana-Maria Constantin Raphael Ghelman (74) ir. J.C. Volmer c.s. (51) G06F 9/50 H04W 28/02 H04W 24/02 (11) 2030877 (47) 15.08.2023 (22) 09.02.2022 (54) METHOD FOR OFFLOADING COMPUTATIONAL TASKS OF MOBILE USERS
(73) Shenyang Agricultural University (72) Xue Luo Qiuxiao Li Jiali Chen Xueyan Cao Xiqing Yue Mei Yang Mohan Li Yan Zheng	(73) Gigaphoton Inc. (72) Takayuki Osanai Yukio Watanabe Koichiro Koge Toshihiro Nishisaka Yusuke Hoshino Atsushi Ueda Gouta Niimi (74) ir. H.Th. van den Heuvel c.s.	(73) NANJING UNIVERSITY OF POSTS AND TELECOMMUNICATIONS (72) Keyu Zhu Qi Zhu (74) ir. M.B. Plaggenborg (51) G06F 16/901 G06F 16/907 H04L 45/16 H04L 45/00 (11) 2032844 (47) 11.08.2023 (22) 24.08.2022 (54) SYSTEMS, APPARATUS, ARTICLES OF MANUFACTURE, AND METHODS FOR CROSS TRAINING AND COLLABORATIVE ARTIFICIAL INTELLIGENCE FOR PROACTIVE DATA MANAGEMENT AND ANALYTICS
(74) ir. W.J.J.M. Kempes (51) G01N 33/94 G01N 33/50 G01N 33/74 (11) 2030924 (47) 15.08.2023 (22) 14.02.2022 (54) METHOD FOR TESTING EFFECT OF MIDAZOLAM ON DEVELOPMENT OF LEYDIG CELLS CULTURED IN VITRO	(73) Shenyang Agricultural University (72) Xue Luo Qiuxiao Li Jiali Chen Xueyan Cao Xiqing Yue Mei Yang Mohan Li Yan Zheng (74) ir. W.J.J.M. Kempes (51) G01N 33/94 G01N 33/50 G01N 33/74 (11) 2030924 (47) 15.08.2023 (22) 14.02.2022 (54) METHOD FOR TESTING EFFECT OF MIDAZOLAM ON DEVELOPMENT OF LEYDIG CELLS CULTURED IN VITRO	(73) Intel Corporation (72) Eve Schooler Greeshma Pisharody Hassnaa Moustafa Rita Wouhaybi Christopher A. Timmins Stanley T. Mo Samudyatha C. Kaira Shane Dewing (74) dr. A. Krebs (31) PCT/US2021/065156
(73) The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University (72) Haolin Chen Minpeng Ji Xin Wen Xiaoju Guan Ping Duan	(73) The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University (72) Haolin Chen Minpeng Ji Xin Wen Xiaoju Guan Ping Duan (73) Maurits S.r.l. (72) Federico Giudiceandrea (74) mr. ir. J. van Breda c.s.	(73) Intel Corporation (72) Eve Schooler Greeshma Pisharody Hassnaa Moustafa Rita Wouhaybi Christopher A. Timmins Stanley T. Mo Samudyatha C. Kaira Shane Dewing (74) dr. A. Krebs (31) PCT/US2021/065156

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(31) 17/667,364	Desertification Prevention	(72) Lambert Cornelis Dekkers
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(33) United States of America	(74) dr. T. Wittop Koning PhD	(74) ir. A. Blokland c.s.
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VESSEL FEATURES AND STORAGE	Daniël Corneel Diogenes Doorman	(72) Paul Emeri Malcontent
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(73) Hunan Normal University	(51) G08C 19/02	(74) ir. A. Blokland c.s.
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(74) ir. J.C. Volmer c.s. (31) 63/203,304 (32) 16.07.2021 (33) United States of America	(73) Guangdong University of Technology (72) Jianguo Ma Shaohua Zhou	(73) SOLLUM TECHNOLOGIES INC. (72) Florence Longpré Gabriel Dupras Marc Tremblay Francois Roy-Moisan Jacques Poirier
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(73) Intel Corporation (72) Javier Perez-Ramirez Marcio Juliato Christopher Gutierrez Dave Cavalcanti Mikhail Galeev Manoj Sastry Vuk Lesi	(51) H04W 24/06 G06F 18/2411 H04W 72/53 (11) 2030876 (47) 15.08.2023 (22) 09.02.2022 (54) RESOURCE ALLOCATION METHOD BASED ON SUPPORT VECTOR MACHINE IN HETEROGENEOUS NETWORK	
(74) dr. A. Krebs (31) 17/484,330 (32) 24.09.2021 (33) United States of America	(73) NANJING UNIVERSITY OF POSTS AND TELECOMMUNICATIONS (72) Zhiyuan Wang Qi Zhu (74) ir. M.B. Plaggenborg	
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Contains data concerning Netherlands patents which have been entered in the patent
register (after limitation procedure) under the Patents Act 1995.**

EP1

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EP2

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(51) B25J 9/16 (11) EP3697579 (21) EP18786308.9 (47) 16.08.2023 (87) EP2018077832 25.04.2019 (22) 12.10.2018 (54) METHOD AND SYSTEM FOR OPERATING A ROBOTIC ARM (73) KUKA Deutschland GmbH (72) RIEDEL, Martin (31) 102017009641 (32) 17.10.2017 (33) Germany	(73) Berkshire Grey Operating Company, Inc. (72) PRICE, Gene, Temple VELAGAPUDI, Prasanna MARONEY, Kyle AHEARN, Kevin ALLEN, Thomas COHEN, Benjamin MASON, Matthew WAGNER, Thomas SMITH, Daniel DAWSON-HAGGERTY, Michael KOLETSCHKA, Thomas ROMANO, Joseph SRINIVASA, Siddhartha GEYER, Christopher	(73) ABC Transfer (72) FELIX, Julien SCHNEIDER, Jean-Luc GIRARD, Thierry (31) 1915377 (32) 20.12.2019 (33) France
(51) B25J 9/16 (11) EP3980224 (21) EP20742147.0 (47) 16.08.2023 (87) AT2020060222 10.12.2020 (22) 03.06.2020 (54) SAFETY SWITCH ELEMENT FOR MACHINES OR ROBOTS (73) KEBA Industrial Automation GmbH (72) SCHININGER, Manfred LEHNER, Bernhard	(31) 201562262136 P 201562215489 P (32) 02.12.2015 08.09.2015 (33) United States of America United States of America	(51) B26D 1/18 (11) EP3619010 (21) EP18725999.9 (47) 16.08.2023 (87) US2018030511 08.11.2018 (22) 01.05.2018 (54) STAND-ALONE CUTTING APPARATUS (73) Avery Dennison Retail Information Services LLC
(51) B25J 9/16 G05B 19/401 (11) EP3221094	(51) B25J 19/00 B23Q 11/08 (11) EP3732004 (21) EP18833067.4	(72) MISTYURIK, John D. ROMO, Jesus, Jr. WHEELER, Jason R. WARD, Donald J.

DUCKETT, Jeanne F.	(54) CUTTING CHAIN FOR CUTTING	B28B 23/02
WATSON, Jan M.	MINERAL OR METALLIC MATERIALS	E04B 1/35
STERN, Mitchell G.	(73) Andreas Stihl AG & Co. KG	E04G 21/04
BROWN, Timothy L.	(72) Schulz, Matthias	E04C 5/07
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(32) 30.08.2017	(47) 16.08.2023	(11) EP3706972
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01.05.2017	(73) IMA Schelling Deutschland GmbH	(87) EP2018080754
(33) United States of America	(72) Culemann, Lars	16.05.2019
United States of America	Hüsener, Stefan	(22) 09.11.2018
United States of America	(31) 102020123428	(54) METHOD OF MANUFACTURING A
United States of America	(32) 08.09.2020	CONSTRUCTION ELEMENT AND
(51) B26D 5/14	(33) Germany	CORRESPONDING CONSTRUCTION
B26D 1/30	(51) B27M 1/00	ELEMENT
(11) EP3875233	B27M 3/00	(73) PERI SE
(21) EP21155145.2	B32B 21/04	(72) MAYER, Jürgen
(47) 16.08.2023	B24B 7/12	(31) 102017126343
(22) 04.02.2021	B24B 7/28	(32) 10.11.2017
(54) ULTRASOUND CUTTING SYSTEM	B24B 19/24	(33) Germany
(73) Vulcain, François	B24B 29/00	(51) B28D 1/14
SOVEVA TDS	B24B 7/00	B23C 5/10
(72) VULCAIN, François	B24B 7/19	B28D 1/18
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(31) 2002079	(21) EP19788841.5	(21) EP20216740.9
(32) 02.03.2020	(47) 16.08.2023	(47) 16.08.2023
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(11) EP3797019	(22) 15.04.2019	(73) UNION TOOL CO.
(21) EP19728339.3	(54) BRUSHING MACHINE FOR	(72) WATANABE, Hidehito
(47) 16.08.2023	PRODUCING VINTAGE-STYLE	SAITO, Hironobu
(87) EP2019063319	LUMBER AND METHOD FOR	OSAKI, Hideki
28.11.2019	PRODUCING VINTAGE-STYLE	(31) 2020002789
(22) 23.05.2019	LUMBER	(32) 10.01.2020
(54) ROTARY CUTTING DEVICE AND	(73) Nakano Lumber Inc.	(33) Japan
METHOD FOR OPERATING A ROTARY	(72) NAKANO Yoshitaka	(51) B29B 7/42
CUTTING DEVICE	(31) 2018078053	B29B 7/46
(73) Aichele Werkzeuge GmbH	(32) 15.04.2018	B29B 7/72
(72) AICHELE, Wilhelm	(33) Japan	B29B 7/74
(31) 102018112310	(51) B28B 1/00	B29B 7/82
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(33) Germany	C04B 37/00	B29B 7/94
(51) B26D 11/00	B32B 18/00	B29B 13/06
C03B 37/01	C04B 35/111	B29B 15/04
C03B 37/16	C04B 35/14	B29C 48/285
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(47) 16.08.2023	C04B 37/02	B29C 48/875
(22) 03.02.2022	(11) EP3192627	(11) EP3630436
(54) HIGH FLEXIBILITY CUTTING PLANT	(21) EP17150184.4	(21) EP18722609.7
FOR GLASS FIBER	(47) 16.08.2023	(47) 16.08.2023
(73) Mercurio S.r.l.	(22) 03.01.2017	(87) EP2018062472
(72) MOUNIER, Marc	(54) A METHOD FOR MAKING HYBRID	06.12.2018
COLOMBO, Andrea	CERAMIC/METAL, CERAMIC/CERAMIC	(22) 15.05.2018
FABBRIS, Alberto	BODY BY USING 3D PRINTING	(54) CONTINUOUS LIQUID MIXING FOR
(31) 202100002840	PROCESS	PRODUCING COMPOSITES DESTINED
(32) 09.02.2021	(73) General Electric Company	FOR USE IN ELASTOMERIC
(33) Italy	(72) YANG, Xi	PRODUCTS
(51) B27B 33/14	PETERSON, Brian	(73) COMPAGNIE GENERALE DES
B28D 1/12	(31) 201614991413	ETABLISSEMENTS MICHELIN
(11) EP3865266	(32) 08.01.2016	(72) PIALOT, Frédéric
(21) EP20156887.0	(33) United States of America	HOMBERT, Christophe
(47) 16.08.2023	(51) B28B 1/00	(31) 1754737
(22) 12.02.2020	B28B 23/00	(32) 30.05.2017

(33) France	(54) MOLD FOR THE MANUFACTURE OF	B29C 45/84
(51) B29B 15/12	SPORTING HELMETS, IN PARTICULAR	(11) EP3848177
B29K 101/12	CYCLING HELMETS AND RELATIVE	(21) EP20151449.4
(11) EP3842205	PROCESS FOR MOLDING SUCH	(47) 16.08.2023
(21) EP19852555.2	SPORTING HELMETS	(22) 13.01.2020
(47) 16.08.2023	(73) KASK S.p.A.	(54) ABRUPT EJECTOR PLATE STOP
(87) JP2019032396	(72) GOTTI, Angelo	(73) Aptiv Technologies Limited
27.02.2020	(31) 202000032948	(72) HEINZL, Klaus
(22) 20.08.2019	(32) 31.12.2020	(51) B29C 45/50
(54) METHOD FOR PRODUCING	(33) Italy	B29C 45/76
THERMOPLASTIC RESIN-	(51) B29C 45/14	(11) EP3928951
IMPREGNATED SHEET-FORM	B62D 35/00	(21) EP19916408.8
REINFORCING FIBER BUNDLE	B62D 37/02	(47) 16.08.2023
(73) Toray Industries, Inc.	B29L 31/30	(87) JP2019047716
(72) ISHIDA, Shoma	(11) EP3826819	27.08.2020
NARUSE, Yoshihiro	(21) EP19769620.6	(22) 05.12.2019
KOSHI, Masayuki	(47) 16.08.2023	(54) MOLDING ASSISTANCE DEVICE FOR
(31) 2018155450	(87) US2019048765	INJECTION MOLDING MACHINE
(32) 22.08.2018	05.03.2020	(73) Nissei Plastic Industrial Co., Ltd.
(33) Japan	(22) 29.08.2019	(72) KOZUKA Makoto
(51) B29C 33/02	(54) ONE-PIECE MOLDED LINKAGE	(31) 2019029705
B29C 35/02	ASSEMBLY WITH INSERT MOLDED	(32) 21.02.2019
B29D 30/06	PINS	(33) Japan
(11) EP3674050	(73) Magna Exteriors Inc.	(51) B29C 45/60
(21) EP18848223.6	(72) HEAPHY, Brendan James	B29C 48/65
(47) 16.08.2023	O'BRIEN, Timothy Francis	B29C 45/50
(87) JP2018021935	BECKLEY, Daniel Vern	(11) EP3381644
28.02.2019	(31) 201862724316 P	(21) EP18164494.9
(22) 07.06.2018	(32) 29.08.2018	(47) 16.08.2023
(54) MOULD FOR VULCANIZING AND	(33) United States of America	(22) 28.03.2018
MOULDING TIRE	(51) B29C 45/37	(54) MOLDING MACHINE SCREW
(73) Bridgestone Corporation	B29C 45/36	(73) Sumitomo Heavy Industries, Ltd.
(72) ISHIHARA, Yasuyuki	B29C 45/16	(72) SEIKE, Kouji
(31) 2017158507	B29C 33/34	MARUMOTO, Hirotsugu
(32) 21.08.2017	B29D 35/00	ISHIDA, Hironobu
(33) Japan	B29C 45/44	(31) 2017068005
(51) B29C 33/42	B29C 45/14	(32) 30.03.2017
B81C 1/00	B29C 31/00	(33) Japan
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(21) EP19717453.5	A43B 13/12	(21) EP22180065.9
(47) 16.08.2023	A43B 23/02	(47) 16.08.2023
(87) EP2019058695	B29D 35/06	(22) 21.06.2022
10.10.2019	B29D 35/08	(54) APPARATUS FOR TAKING OUT
(22) 05.04.2019	B29D 35/14	MOLDED PRODUCT
(54) USE OF A COMPONENT HAVING A	B29C 45/78	(73) Yushin Precision Equipment Co., Ltd.
MICROSTRUCTURED SURFACE AS	B29C 45/42	(72) IKEDA, Koji
A FLUIDIZED BED FOR DISCRETE	B29C 45/76	KIDA, Hiroki
QUANTITIES OF A LIQUID	B29C 45/17	(31) 2022097300
(73) Fraunhofer-Gesellschaft zur Förderung	(11) EP3858575	2021103343
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(72) VISSING, Klaus-Dieter	(47) 16.08.2023	22.06.2021
SCHMIDT, Stefanie	(87) ES2019070648	(33) Japan
(31) 102018108074	02.04.2020	Japan
(32) 05.04.2018	(22) 27.09.2019	(51) B29C 45/76
(33) Germany	(54) MOULD, MACHINE AND METHOD FOR	B29C 45/77
(51) B29C 45/14	PRODUCING THREE-DIMENSIONAL	(11) EP3787869
B29C 44/12	ARTICLES AND PRODUCTION PLANT	(21) EP19752294.9
A42C 2/00	ASSOCIATED WITH SAME	(47) 16.08.2023
B29C 31/00	(73) Simplicity Works Europe, S.L.	(87) US2019030374
B29K 25/00	(72) HERNÁNDEZ HERNÁNDEZ, Adrián	07.11.2019
B29L 31/48	(31) 201830937	(22) 02.05.2019
B29C 44/34	201830936	(54) SYSTEMS AND METHODS FOR
B29C 44/44	(32) 27.09.2018	CONTROLLING INJECTION MOLDING
(11) EP4023411	27.09.2018	USING PREDICTED CAVITY
(21) EP21218174.7	(33) Spain	PRESSURE
(47) 16.08.2023	Spain	(73) Imflux Inc.
(22) 29.12.2021	(51) B29C 45/40	(72) ALTONEN, Gene Michael

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F01D 5/28	B33Y 50/02	(33) United States of America
B33Y 80/00	B33Y 40/00	(51) B29C 64/386
B33Y 50/00	B29C 64/153	B22F 3/16
(11) EP3787871	B22F 10/14	B29C 64/153
(21) EP18917136.6	B29C 64/40	B29C 64/268
(47) 16.08.2023	(11) EP3681697	B33Y 50/00
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(22) 30.04.2018	(87) US2017058362	B33Y 50/02
(54) METHODS FOR MANUFACTURING	02.05.2019	G05B 19/4099
WIND TURBINE ROTOR BLADES AND	(22) 25.10.2017	B23K 15/00
COMPONENTS THEREOF	(54) THERMAL SUPPORTS FOR 3D	B23K 15/02
(73) General Electric Company	FEATURES FORMED FROM	B23K 26/08
(72) WALKER, Alan, M.	PARTICLES	B23K 26/70
LIVINGSTON, Jamie, T.	(73) Hewlett-Packard Development Company,	G05B 19/416
NATH, Shridhar, Champaknath	L.P.	B33Y 10/00
TOBIN, James, Robert	(72) HUANG, Wei	B33Y 30/00
JOHNSON, Stephen, Bertram	DISPOTO, Gary J.	B22F 10/25
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B33Y 10/00	B33Y 30/00	B22F 12/50
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(47) 16.08.2023	(47) 16.08.2023	(22) 19.10.2018
(87) IL2019051072	(87) US2017049392	(54) NUMERICAL CONTROL DEVICE
02.04.2020	03.05.2018	AND METHOD FOR CONTROLLING
(22) 27.09.2019	(22) 30.08.2017	ADDITIVE MANUFACTURING DEVICE
(54) METHOD AND SYSTEM FOR ADDITIVE	(54) THREE-DIMENSIONAL PRINTING	(73) Mitsubishi Electric Corporation
MANUFACTURING USING CLOSED-	METHOD	(72) KAYASHIMA, Shun
LOOP TEMPERATURE CONTROL	(73) Hewlett-Packard Development Company,	SUMI, Nobuyuki
(73) Strataysys Ltd.	L.P.	UOZUMI, Seiji
(72) SHELEF, Gil	(72) RUDISILL, Stephen G.	(51) B29C 65/00
PRIZANT, David	KABALNOV, Alexey S.	B29C 45/16
FEFFER, Amit	LEBRON, Hector Jose	B29C 45/27
ROTFELD, Haim	WRIGHT, Jacob	B29L 31/32
(31) 201862737172 P	(31) PCT/US2016/058686	B29L 15/00
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(33) United States of America	(32) 25.10.2016	(21) EP20202451.9
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B29C 64/20	(33) World Intellectual Property Office (WIPO)	(22) 17.10.2020
B29C 64/227	World Intellectual Property Office (WIPO)	(54) INJECTION MOULDING WITH AN
B33Y 30/00	(51) B29C 64/35	INSERT OF AN ARTICLE INCLUDING
B33Y 40/00	B33Y 40/00	ANNULAR RESIN MEMBER
B08B 7/02	B33Y 30/00	(73) Nakanishi Metal Works Co., Ltd.
B22F 3/105	B08B 1/00	(72) NAKAMURA, Masayoshi
B29C 64/35	B08B 1/04	(31) 2019191875
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(87) US2017029131	(54) CLEANING SYSTEMS FOR ADDITIVE	F17C 1/16
01.11.2018	MANUFACTURING APPARATUSES	B29C 69/00
(22) 24.04.2017	AND METHODS FOR USING THE	B29C 65/10
(54) REMOVAL OF EXCESS BUILD	SAME	B29C 63/08
MATERIAL IN ADDITIVE	(73) General Electric Company	B29C 53/56
MANUFACTURING	(72) STERLE, John	B29C 65/06
(73) Hewlett-Packard Development Company,	FULTON, Victor	(11) EP3762219
L.P.	BONILLA, Carlos H.	(21) EP19709044.2
(72) DUDA, Michael	MAYER, Jacob	(47) 16.08.2023
PICKARD, Joel V.	BROMBERG, Vadim	(87) EP2019055617
ROMAN, Justin M.	FEDYK, Glen Charles	12.09.2019
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(73) PLASTIC OMNIUM NEW ENERGIES FRANCE	B21J 15/14 F16B 5/04	B29C 64/188 B29C 64/35
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(54) METHOD AND ARRANGEMENT	(33) Japan	DRIVE MODE OF A VEHICLE, DRIVE
FOR CONTINUOUS CURVE SPEED	(51) B60W 50/14	CONTROL SYSTEM FOR VEHICLE AND
ADJUSTMENT FOR A ROAD VEHICLE	B60K 6/442	VEHICLE
(73) Zenuity AB	B60W 50/00	(73) Volvo Car Corporation
(72) KARLSSON, Tobias	(11) EP3353032	(72) ERIKSSON, Alexander
BUCHT, Mattias	(21) EP16763042.5	ANDERSSON, Rasmus
(51) B60W 40/08	(47) 16.08.2023	VOLPI PERINCILO, Paolo
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(73) Hitachi, Ltd.		
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(47) 16.08.2023	(22) 07.01.2020	(22) 09.12.2020
(22) 20.10.2020	(54) METHOD FOR SECURELY OPERATING A RAILWAY ENGINEERING SYSTEM AND NETWORK NODE OF A DATA NETWORK	(54) WORKING MACHINE (73) KUBOTA CORPORATION
(54) PASSENGER TRANSPORT VEHICLE AND STEP DEVICE FOR A PASSENGER TRANSPORT VEHICLE	(73) Siemens Mobility GmbH (72) Griebel, Stephan (31) 102019200777 (32) 23.01.2019 (33) Germany	(72) YUASA, Junichi GONO, Tsuyoshi (31) 2019229262 (32) 19.12.2019 (33) Japan
(73) Bombardier Transportation GmbH		
(72) Schnaibel, Jörg		
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(33) Japan	(73) Renault s.a.s	(33) France
(51) B62D 15/02	(72) DUONG, Olivier	(51) B62D 43/10
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(22) 16.04.2019	(22) 24.09.2020	(73) Renault s.a.s
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TURNING RADIUS	CAB ON AN AGRICULTURAL BASE	DESCHAMPS, JEAN-JACQUES
(73) LEMKEN GmbH & Co. KG	VEHICLE	MARTIN, STEPHANE
(72) BIRO, Györy Josef	(73) Deere & Company	BOUAL, FRANCOIS
MÜLLER, Christoph	(72) Reif, Markus	SILVA, BRUNO
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Germany	B62D 37/02	(11) EP3842324
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(47) 16.08.2023	(22) 08.12.2020	CHAIN OF A TRACKED VEHICLE AND
(87) EP2019080279	(54) MOTOR VEHICLE INCLUDING	METHOD FOR MANUFACTURING
14.05.2020	AT LEAST ONE AERODYNAMIC	SUCH A CHAIN LINK ASSEMBLY
(22) 05.11.2019	DEFLECTOR DEVICE	(73) Kässbohrer Geländefahrzeug AG
(54) DEVICE FOR PROTECTING A POWER	(73) Renault s.a.s	(72) Junginger, Bernd
SUPPLY BATTERY OF A MOTOR	(72) PIN, Michael	Cornely, Timo
VEHICLE	PERREUX, PHILIPPE	(31) 102019220531
(73) NISSAN MOTOR Co., Ltd.	BURNIER-DECHON, Lionel	(32) 23.12.2019
Renault s.a.s	(31) 1914820	(33) Germany
(72) MARIOTTE, Yann	(32) 19.12.2019	(51) B62D 55/26
CHEMALI, Habib	(33) France	B62D 55/253
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(21) EP20742323.7	(21) EP18868307.2	MANUFACTURING SUCH A LINK
(47) 16.08.2023	(47) 16.08.2023	(73) Kässbohrer Geländefahrzeug AG
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(22) 02.04.2020	(22) 12.03.2020	VEHICLE, AND STEERING FRONT
(54) ELECTRIC PERSONAL MOBILITY	(54) ELECTRIC BICYCLE BATTERY	UNIT
DEVICE	HOLDER ENSEMBLE	(73) ZEG Zweirad-Einkaufs-Genossenschaft
(73) Grabtaxi Holdings Pte. Ltd.	(73) SRAM, LLC	eG
(72) YU, Pengfei	(72) Hemsing, Axel	(72) Honkomp, Georg
YAN, Kang	Plikat, Tobias	(31) 202020100114 U
ZHENG, Yi	(51) B62J 43/13	102019119565
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United States of America	REDFERN, Richard Tyler	GUIDOUX, Antoine
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BODANESE, Luiz Germano	(72) WILSON, Thomas	(73) Subaru Corporation
CASTELLO, Xavier	LONE, Mudassir	(72) NAGANUMA, Katsunori
GUIMARÃES, Rodrigo M.R.	O'ROURKE, Ciaran	SAGARA, Taku
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CALLAWAY, Mark	(72) Scothern, David	B64D 11/06
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(51) B63C 7/26	B64C 25/26	B60N 2/90
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	(21) EP18856103.9	(21) EP20725981.3
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(73) Kim, Jaemo	(22) 27.04.2017	(72) TOMMESANI, Marco
(72) Kim, Jaemo	(54) AUTOMATIC ROLL CHANGE FOR STRETCH WRAPPING MACHINE	(31) 202000011878
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(33) Korea (Republic)	McCray, Jeremy D.	
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(22) 08.09.2021	HAUSER, Philippe	(72) PEARCE, Scott
(54) FOOD PACKAGING	KLEIN, Heike	(31) 2017903811
(73) BioPaxium Technologies Limited	WIRTZ, Christoph	(32) 19.09.2017
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(JIANGSU) CO., LTD.	COMPRISING A REVOLVING ENDLESS	CHAIN, AND USE OF A LINK CHAIN AS
(72) TANG, Cheng	BELT, AND USE OF A PROCESS BELT	A CONVEYING CHAIN
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RIECK, Heike	YAMAMOTO, Hiroki	SALMIKUUKKA, Jukka
PILZ, Christian	(31) 2020179033	(51) B66B 1/34
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B65H 18/10	(21) EP20203509.3	(54) METHOD FOR ELECTRONIC ELEVATOR COMMUNICATION WITH MOBILE DEVICES
B65H 23/195	(47) 16.08.2023	(73) Spyra, Grzegorz Karol, Dr.
B65H 23/198	(22) 23.10.2020	(72) Spyra, Grzegorz Karol, Dr.
(11) EP4101796	(54) FOLDING APPARATUS FOR A CONTINUOUS WEB, AND A FOLDING METHOD FOR A CONTINUOUS WEB	(51) B66B 7/06
(21) EP21179078.7	(73) GDM S.p.A.	D07B 5/04
(47) 16.08.2023	(72) PANTONI, Matteo	(11) EP3747816
(22) 11.06.2021	FUSAR POLI, Aldo	(21) EP19219676.4
(54) WINDING DEVICE FOR A LONGITUDINALLY CUT MATERIAL SHEET AND SYSTEM FOR CONTROLLED WINDING OF A LONGITUDINALLY CUT MATERIAL SHEET	ROSANI, Marco	(47) 16.08.2023
(73) FMS Force Measuring Systems AG	(31) 201900019706	(22) 24.12.2019
(72) Inhelder, Jörg	(32) 24.10.2019	(54) ELEVATOR LOAD BEARING MEMBER HAVING A FABRIC STRUCTURE INCLUDING WARP AND WEFT YARNS
(51) B65H 29/00	(33) Italy	(73) Otis Elevator Company
(11) EP3878783	(51) B65H 51/10	(72) EASTMAN, Scott Alan
(21) EP21161846.7	B65H 51/32	HUMBERT, Michael Paul
(47) 16.08.2023	B29C 64/321	MOSHER, Daniel A.
(22) 10.03.2021	B29C 64/118	ZHAO, Wenping
(54) SHEET STORAGE DEVICE	B29C 64/209	(31) 201916430989
(73) GLORY LTD.	B33Y 10/00	(32) 04.06.2019
(72) YOKAWA, Takeshi	B33Y 30/00	(33) United States of America
(31) 2020042318	B33Y 40/00	(51) B66C 1/02
(32) 11.03.2020	(11) EP3921262	(11) EP3924286
(33) Japan	(21) EP19809147.2	(21) EP20704502.2
(51) B65H 29/66	(47) 16.08.2023	(47) 16.08.2023
B31B 70/96	(87) IB2019059235	(87) EP2020053015
B65H 33/16	04.06.2020	20.08.2020
B65H 33/12	(22) 28.10.2019	(22) 06.02.2020
B31B 70/98	(54) DEVICE AND METHOD OF FEEDING A THERMOPLASTIC FILAMENT	(54) DEVICE FOR CONTROLLING THE FUNCTION OF A VACUUM LIFTING DEVICE, AND VACUUM LIFTING DEVICE HAVING SUCH A CONTROL DEVICE
(11) EP4041665	(73) Industriële Constructies Symons BVBA	(73) FIPA Holding GmbH
(21) EP20789051.8	(72) PALMAERS, Jonathan	(72) JOST, Christopher
(47) 16.08.2023	(31) 201805836	(31) 102019103251
(87) EP2020078071	(32) 29.11.2018	(32) 11.02.2019
15.04.2021	(33) Belgium	(33) Germany
(22) 07.10.2020	(51) B65H 63/00	(51) B66C 1/06
(54) BAG TRANSPORT AND BAG STACKING DEVICE, AND METHOD FOR TRANSPORTING BAGS OR BAG STACKS	B65H 63/08	(11) EP3674249
(73) Windmüller & Hölscher KG	B65H 75/44	(21) EP19217778.0
(72) TILLMANN, Guido	(11) EP3538464	(47) 16.08.2023
HAWIGHORST, Thomas	(21) EP17794027.7	(22) 19.12.2019
DUWENDAG, Rüdiger	(47) 16.08.2023	(54) APPARATUS FOR MAGNETICALLY ATTACHING TO A LOAD
(31) 102019215675	(87) FR2017052951	(73) Tarkmet Oy
(32) 11.10.2019	17.05.2018	(72) INKINEN, Mika
(33) Germany	(22) 26.10.2017	TROBERG, Henri
(51) B65H 31/10	(54) ELECTRICAL CABLE REEL	(31) 20186134
B65H 31/30	(73) Nexans	(32) 21.12.2018
B65H 43/00	(72) PINTO, Olivier	
	POULIN, Nicolas	
	(31) 1660820	
	(32) 09.11.2016	
	(33) France	
	(51) B66B 1/34	
	B66B 1/46	

(33) Finland	(33) Japan	(11) EP3929148
(51) B66C 13/20	(51) B66D 1/36	(21) EP21181880.2
B66C 23/86	(11) EP3819254	(47) 16.08.2023
F15B 19/00	(21) EP20204196.8	(22) 25.06.2021
F15B 21/08	(47) 16.08.2023	(54) VIBRATING DEVICE FOR A HORSE-
F15B 11/16	(22) 27.10.2020	RIDING MOUTHPIECE; HORSE
(11) EP3657028	(54) SYMMETRICAL PULLEY WITH	MOUTHPIECE COMPRISING SAID
(21) EP18207584.6	UNLIMITED ROTATION HAVING A	VIBRATING DEVICE; METHOD TO
(47) 16.08.2023	MECHANISM FOR TERMINATING	FACILITATE THE PUTTING ON THE BIT
(22) 21.11.2018	WINDING OF A ROPE AND A WINCH	OF A HORSE; USE OF A VIBRATING
(54) METHOD FOR CONTROLLING A	COMPRISING THE SAID PULLEY	DEVICE
HYDRAULIC ACTUATOR	(73) Pisek - Vitli Krpan, d.o.o.	(73) VBITE S.r.l.
(73) Danfoss Power Solutions Aps	(72) Pisek, Franc	(72) Astolfoni Fossi, Matteo
(72) SKOV, Kim	(31) 201900210	(31) 202000015364
(51) B66C 13/40	(32) 05.11.2019	(32) 25.06.2020
B66C 17/00	(33) Slovenia	(33) Italy
(11) EP3697718	(51) B66F 9/075	(51) C01B 3/14
(21) EP18793619.0	B66F 17/00	C01B 3/16
(47) 16.08.2023	(11) EP3907172	C01B 3/48
(87) EP2018078589	(21) EP21171844.0	C10K 3/04
25.04.2019	(47) 16.08.2023	B01J 8/02
(22) 18.10.2018	(22) 03.05.2021	(11) EP3802410
(54) SYSTEM FOR OPERATING A LOAD-	(54) INDUSTRIAL TRUCK	(21) EP19729279.0
HANDLING CRANE, AND LOAD-	(73) Jungheinrich Aktiengesellschaft	(47) 16.08.2023
HANDLING CRANE AND METHOD FOR	(72) SCHÖTTKE, Carsten	(87) EP2019064910
OPERATING SAME	BIBERNELL, Hubert	12.12.2019
(73) Konecranes Global Corporation	SCHÖNAUER, Michael	(22) 07.06.2019
(72) MOLL, Oliver	(31) 102020205606	(54) METHOD AND DEVICE FOR
FREITAG, Holger	(32) 04.05.2020	CARRYING OUT A WATER-GAS SHIFT
PERSICO, Giuliano	(33) Germany	REACTOR
(31) 102017124278	(51) B66F 17/00	(73) thyssenkrupp AG
(32) 18.10.2017	B66F 9/075	thyssenkrupp Industrial Solutions AG
(33) Germany	B66F 9/065	(72) KLEYENSTEIBER, Alexander
(51) B66C 13/46	B66F 9/24	EL HAWARY, Tarek
B66C 19/02	(11) EP3495316	(31) 102018113743
(11) EP4038010	(21) EP18211531.1	(32) 08.06.2018
(21) EP20789649.9	(47) 16.08.2023	(33) Germany
(47) 16.08.2023	(22) 11.12.2018	(51) C01B 3/38
(87) FI2020050649	(54) VEHICLE COMPRISING A DEVICE TO	B01J 8/06
08.04.2021	ASSIST THE HANDLING OF A LOAD	B01J 8/02
(22) 02.10.2020	AND CORRESPONDING METHOD	(11) EP3947267
(54) SPREADER POSITION CONTROL	(73) MANITOU BF	(21) EP20712331.6
(73) Cargotec Finland Oy	(72) CADOU, Sylvain	(47) 16.08.2023
(72) LUKKALA, Jyri	(31) 1761937	(87) EP2020057365
ASIKAINEN, Mikko	(32) 11.12.2017	08.10.2020
KOUHIA, Jyrki	(33) France	(22) 18.03.2020
TUULKARI, Tomi	(51) B67D 9/02	(54) REFORMER DOUBLE BOTTOM
(31) 20195848	B63B 27/24	(73) thyssenkrupp AG
(32) 04.10.2019	F17C 13/00	thyssenkrupp Industrial Solutions AG
(33) Finland	(11) EP3323777	(72) MEIßNER, Oliver
(51) B66D 1/30	(21) EP16824079.4	SCHOLZ, Marco
B66D 1/54	(47) 16.08.2023	(31) 102019204814
B66D 1/36	(87) JP2016003304	(32) 04.04.2019
(11) EP3722247	19.01.2017	(33) Germany
(21) EP19740817.2	(22) 12.07.2016	(51) C01B 25/24
(47) 16.08.2023	(54) LIQUEFIED HYDROGEN LOADING	B01J 10/00
(87) JP2019000672	ARM	B01J 19/00
25.07.2019	(73) TB Global Technologies Ltd.	B01J 19/24
(22) 11.01.2019	Kawasaki Jukogyo Kabushiki Kaisha	B01J 19/26
(54) WINCH DRUM AND CRANE PROVIDED	(72) UNNO, Shuntaro	B01J 8/02
THEREWITH	TAKASE, Tomonori	B01J 19/30
(73) KOBELCO CONSTRUCTION	UMEMURA, Tomoaki	C08G 79/04
MACHINERY CO., LTD.	INOMATA, Akihiko	(11) EP3774650
(72) IWASHITA, Hidekazu	(31) 2015140972	(21) EP19713470.3
FUJIWARA, Hideaki	(32) 15.07.2015	(47) 16.08.2023
(31) 2018004777	(33) Japan	(87) EP2019057706
(32) 16.01.2018	(51) B68B 1/06	03.10.2019
		(22) 27.03.2019

(54) METHOD FOR RECYCLING RESIDUAL SOLUTIONS COMPRISING PHOSPHORUS AND DEVICE FOR SUCH A METHOD	C01B 33/18 C01B 33/193 A61K 8/02	(54) METHOD OF MANUFACTURING POSITIVE ELECTRODE ACTIVE MATERIAL
(73) Prayon	(11) EP3807217	(73) LG Chem, Ltd.
(72) LERUTH, Denis	(21) EP19730757.2	(72) KIM, Dong Jin
SZÖCS, Carl	(47) 16.08.2023	LEE, Woo Ram
GABRIEL, Damien	(87) EP2019065389	KIM, Woo Hyun
HEPTIA, Bernard	19.12.2019	KIM, Hyun Uk
(31) 201805916	(22) 12.06.2019	CHAE, Hwa Seok
201805218	(54) SPHERICAL STANNOUS COMPATIBLE	(31) 20200036937
(32) 20.12.2018	SILICA PARTICLES FOR REDUCED	(32) 26.03.2020
30.03.2018	RDA	(33) Korea (Republic)
(33) Belgium	(73) Evonik Operations GmbH	(51) C02F 1/00
Belgium	(72) MIDHA, Sanjeev	C02F 1/28
(51) C01B 32/162	SCHNEIDERMAN, Eva	C02F 1/52
C01B 32/164	GALLIS, Karl W.	C02F 103/12
B01J 19/22	HAGAR, William J.	C02F 11/12
(11) EP3068725	DOLAN, Lawrence Edward	C02F 1/66
(21) EP14802369.0	NASSIVERA, Terry W.	B28C 5/42
(47) 16.08.2023	(31) 201862684073 P	B03B 9/06
(87) EP2014074600	(32) 12.06.2018	C02F 9/00
21.05.2015	(33) United States of America	(11) EP3208240
(22) 14.11.2014	(51) C01B 35/06	(21) EP17156120.2
(54) METHOD FOR CONTINUOUS, TRAVELLING PRODUCTION OF NANOSTRUCTURES ALIGNED ON A SUBSTRATE AND RELATED DEVICE	(11) EP3816107	(47) 16.08.2023
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives	(21) EP19824505.2	(22) 14.02.2017
(72) MAYNE, Martine	(47) 16.08.2023	(54) DEVICE AND METHOD FOR TREATING CEMENT-CONTAINING WASTEWATER ON A VESSEL
PINAULT, Mathieu	(87) JP2019022195	(73) DEME Offshore BE N.V.
BOULANGER, Pascal	02.01.2020	(72) Duyck, Mathieu Antoine
CHARON, Emeline	(22) 04.06.2019	Hendrickx, Jan Pieter Maria
REYNAUD, Cécile	(54) METHOD FOR PRODUCING BORON TRICHLORIDE	(31) 201605113
(31) 1361119	(73) Resonac Corporation	(32) 17.02.2016
(32) 14.11.2013	(72) DOU Jun	(33) Belgium
(33) France	MOURI Saki	(51) C02F 1/22
(51) C01B 32/194	KURIHARA Hideyuki	B01D 9/00
B29C 41/12	(31) 2018121138	C02F 103/08
B29C 41/08	(32) 26.06.2018	(11) EP3625176
B82Y 40/00	(33) Japan	(21) EP18725830.6
C30B 7/14	(51) C01C 1/04	(47) 16.08.2023
C30B 29/02	C07C 273/04	(87) EP2018062995
C30B 33/06	C01B 3/02	22.11.2018
(11) EP3468763	(11) EP3592703	(22) 17.05.2018
(21) EP17814365.7	(21) EP18709574.0	(54) METHOD AND APPARATUS FOR PRODUCING ION-DEPLETED WATER
(47) 16.08.2023	(47) 16.08.2023	(73) Hochschule Mannheim
(87) CA2017050705	(87) EP2018055668	(72) ERLBECK, Lars
28.12.2017	13.09.2018	RÄDLE, Matthias
(22) 09.06.2017	(22) 07.03.2018	NESSEL, Reimund
(54) METHOD AND APPARATUS FOR PRODUCING LARGE-AREA MONOLAYER FILMS OF SOLUTION DISPERSED NANOMATERIALS	(54) UREA PROCESS WITH CONTROLLED EXCESS OF CO2 AND/OR NH3	(31) 102017110727
(73) Xu, Luzhu	(73) Topsoe A/S	(32) 17.05.2017
Pope, Michael A.	(72) DAHL, Per Juul	(33) Germany
Zhang, Yefeng	SYMRENG, Marcus	(51) C03B 5/235
(72) Pope, Michael A.	KRØLL JENSEN, Annette E.	C03B 5/42
Xu, Luzhu	SCHJØDT, Niels Christian	C03B 5/43
Zhang, Yefeng	SPETH, Christian Henrik	F27B 3/20
(31) 201662392733 P	(31) PA201700159	F27D 9/00
(32) 10.06.2016	(32) 07.03.2017	F27D 99/00
(33) United States of America	(33) Denmark	(11) EP4051647
(51) C01B 33/12	(51) C01G 53/00	(21) EP21731233.9
A61K 6/00	C01G 53/04	(47) 16.08.2023
A61K 8/25	H01M 4/525	(87) FR2021050720
A61Q 11/02	H01M 4/505	04.11.2021
	(11) EP3960711	(22) 26.04.2021
	(21) EP21777008.0	(54) HIGHLY ENERGY-EFFICIENT FURNACE
	(47) 16.08.2023	(73) SAINT-GOBAIN ISOVER
	(87) KR2021003563	(72) DUPEUX, Guillaume
	30.09.2021	
	(22) 23.03.2021	

MARTIN, Alexandre	(31) 102018104163	(11) EP3931163
VISPO, Antony	(32) 23.02.2018	(21) EP20719684.1
CHESNEL, Sébastien	(33) Germany	(47) 16.08.2023
(31) 2004299	(51) C03C 17/00	(87) FR2020050391
(32) 30.04.2020	B65G 37/00	03.09.2020
(33) France	B65G 49/00	(22) 27.02.2020
(51) C03C 3/085	C23C 16/02	(54) TRANSPARENT SUBSTRATE
C03C 3/091	C23C 16/44	COATED WITH A DISCONTINUOUS
C03C 3/093	C23C 16/04	TRANSPARENT, COLORLESS OR
C03C 4/00	C23C 16/54	COLORLED ORGANIC LAYER WHICH IS
C03C 21/00	C23C 16/50	TEXTURED ACCORDING TO POINTS,
C03C 10/04	(11) EP3798193	AND COATED WITH A REFLECTIVE
C03C 10/14	(21) EP20192282.0	LAYER
C03C 10/02	(47) 16.08.2023	(73) Saint-Gobain Glass France
(11) EP3274308	(22) 21.08.2020	(72) TEISSEIRE, Jérémie
(21) EP16714689.3	(54) DEVICE FOR COATING CONTAINERS	CHAHBOUNE, Kamel
(47) 16.08.2023	WITH BYPASS AND METHOD FOR	BRUDIEU, Barbara
(87) US2016023654	OPERATING SUCH A DEVICE	SCHIAVONI, Michele
29.09.2016	(73) Kronos AG	(31) 1902075
(22) 23.03.2016	(72) Voth, Klaus	(32) 28.02.2019
(54) HIGH STRENGTH, SCRATCH	Neubauer, Michael	(33) France
RESISTANT AND TRANSPARENT	Kammerl, Martin	(51) C03C 17/36
GLASS-BASED MATERIALS	(31) 102019126291	C03C 17/38
(73) Corning Incorporated	(32) 30.09.2019	C03C 17/42
(72) BEALL, George Halsey	(33) Germany	(11) EP3931164
MARQUES, Paulo Gaspar Jorge	(51) C03C 17/00	(21) EP20719685.8
COMTE, Marie Jacqueline Monique	C03C 17/02	(47) 16.08.2023
(31) 201562186547 P	C03C 17/30	(87) FR2020050392
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(32) 30.06.2015	(11) EP3483129	(22) 27.02.2020
24.03.2015	(21) EP18204808.2	(54) TRANSPARENT SUBSTRATE COATED
(33) United States of America	(47) 16.08.2023	WITH A TEXTURED, DISCONTINUOUS
United States of America	(22) 07.11.2018	TRANSPARENT, COLORLESS
(51) C03C 3/095	(54) COVER GLASS AND ELECTRONIC	OR COLORED ORGANIC LAYER,
C03C 3/097	DEVICE WITH THE SAME AND	WITH A METAL LAYER AND WITH
C03C 4/02	METHOD FOR MANUFACTURING	A DIELECTRIC AND/OR ADHESIVE
C03C 10/00	COVER GLASS	OVERLAYER
F24C 15/00	(73) Samsung Electronics Co., Ltd.	(73) Saint-Gobain Glass France
(11) EP3747839	(72) KIM, In Gi	(72) MARIANI, Silvia
(21) EP20176363.8	JO, Gyu Ha	BRUDIEU, Barbara
(47) 16.08.2023	CHO, Yong Hyun	(31) 1902081
(22) 25.05.2020	KIM, Wook Tae	(32) 28.02.2019
(54) GLASS CERAMIC, METHOD FOR	LEE, Hyung Jin	(33) France
THEIR PREPARATION AND THEIR USE	LEE, Chang Soo	(51) C03C 27/10
(73) SCHOTT AG	LEE, Ji Won	C03C 3/083
(72) HOCHREIN, Oliver	(31) 20170151779	C03C 3/085
SIEBERS, Friedrich	(32) 14.11.2017	B32B 17/00
WEISS, Evelin	(33) Korea (Republic)	(11) EP3743396
(31) 102019115153	(51) C03C 17/34	(21) EP19710002.7
(32) 05.06.2019	B32B 17/00	(47) 16.08.2023
(33) Germany	C03C 27/10	(87) FR2019050145
(51) C03C 4/20	(11) EP3978453	01.08.2019
A61J 1/06	(21) EP20206627.0	(22) 23.01.2019
A61J 1/14	(47) 16.08.2023	(54) LAMINATED GLAZING
C03C 23/00	(22) 10.11.2020	(73) SAINT-GOBAIN GLASS FRANCE
(11) EP3755669	(54) SOLAR CONTROL GLAZING	(72) VERRAT DEBAILLEUL, Adèle
(21) EP19704769.9	FOR AUTOMOBILE AND ITS	CINTORA GONZALEZ, Octavio
(47) 16.08.2023	MANUFACTURE	SAUVINET, Vincent
(87) EP2019052925	(73) Saint-Gobain Glass France	(31) 1850634
29.08.2019	(72) HAGEN, Jan	(32) 26.01.2018
(22) 06.02.2019	GIRARD, Pauline	(33) France
(54) SMALL GLASS BOTTLE HAVING	LI, Daming	(51) C04B 11/032
LOWER MIGRATION LOAD	(31) 2009977	C04B 28/14
(73) SCHOTT Pharma AG & Co. KGaA	(32) 30.09.2020	(11) EP3599227
(72) FROST, Robert	(33) France	(21) EP19197126.6
BUSCKE, Florence	(51) C03C 17/36	(47) 16.08.2023
HLADIK, Bernhard	C03C 17/38	(22) 13.12.2012
ROTHHAAR, Uwe	C03C 17/42	

(54) A METHOD OF FORMING A GYPSUM BASED PRODUCT	C04B 38/02 C04B 111/00	LEVOY, Nancy F. CORTELLINI, Edmund A.
(73) SAINT-GOBAIN PLACO	H01M 4/02	HUANG, Hansong
(72) GERMAIN, Jean-Luc	(11) EP3582298	KUHN, Melanie
MONGROLLE, Jean-Louis	(21) EP18751079.7	(31) 201662297684 P
(31) 201121589	(47) 16.08.2023	201562169240 P
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(33) United Kingdom	16.08.2018	01.06.2015
(51) C04B 22/00	(22) 08.02.2018	(33) United States of America
(11) EP2794507	(54) LITHIUM COMPOSITE OXIDE	United States of America
(21) EP12813005.1	SINTERED BODY PLATE	(51) C04B 35/83
(47) 16.08.2023	(73) NGK Insulators, Ltd.	C04B 35/524
(87) EP2012076715	(72) OKADA, Shigeki	C04B 35/634
27.06.2013	YURA, Yukinobu	C01B 32/05
(22) 21.12.2012	(31) 2017244183	(11) EP3105196
(54) ACCELERATOR	2017101079	(21) EP15703795.3
(73) Sika Technology AG	2017024345	(47) 16.08.2023
(72) KURZ, Christophe	PCT/JP2018/001619	(87) EP2015053008
MÄDER, Gilbert	(32) 20.12.2017	20.08.2015
BÜRGE, Christian	22.05.2017	(22) 12.02.2015
WOMBACHER, Franz	13.02.2017	(54) METHOD FOR MAKING A THREE
MARAZZANI, Beat	19.01.2018	DIMENSIONAL OBJECT
(31) 11195531	(33) Japan	(73) Carbon Forest Products Limited
(32) 23.12.2011	Japan	(72) MORRIS, Patrick John
(33) European Patent Office (EPO)	Japan	(31) 14155061
(51) C04B 28/06	World Intellectual Property Office (WIPO)	(32) 13.02.2014
B28C 5/02	(51) C04B 35/03	(33) European Patent Office (EPO)
B28C 5/06	C04B 35/043	(51) C05D 9/02
C04B 111/00	C04B 35/626	C05G 3/00
(11) EP3630699	C04B 35/66	(11) EP3483136
(21) EP17737857.7	C04B 38/00	(21) EP18205197.9
(47) 16.08.2023	C04B 35/63	(47) 16.08.2023
(87) FR2017051402	(11) EP3523264	(22) 08.11.2018
06.12.2018	(21) EP18769685.1	(54) BIOSTIMULATING COMPOSITION
(22) 02.06.2017	(47) 16.08.2023	FOR STIMULATING SOIL MICROBIAL
(54) INTERIOR RENDER PASTE AND	(87) EP2018074817	FLORA, FERTILISER COMPOSITION
METHOD OF APPLICATION	21.03.2019	COMPRISING THE SAME, METHODS
(73) International Coating Products	(22) 13.09.2018	OF PREPARATION AND APPLICATION
(72) JEANNETTE, Thierry	(54) METHOD FOR PRODUCING A	AND USES THEREOF
BERGLIND, Staffan	POROUS SINTERED MAGNESIA,	(73) BIO3G
MARATRAT, Audrey	BACKFILL FOR PRODUCING A HEAVY-	(72) GUILLERMOU, Marc
(51) C04B 28/18	CLAY REFRACTORY PRODUCT	KLARZYNSKI, Olivier
C04B 40/02	WITH A GRANULATION FROM THE	HENRIOT, Morgane
C04B 28/10	SINTERED MAGNESIA, PRODUCT	JAMET, Claire
C04B 7/153	OF THIS TYPE, AND METHOD FOR	(31) 1760618
C04B 7/24	THE PRODUCTION THEREOF, LINING	(32) 10.11.2017
C04B 12/00	OF AN INDUSTRIAL FURNACE AND	(33) France
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YU, Wensheng	C07C 321/14	(72) ITO, Osamu
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SINGALA, Kamlesh J.	21.11.2019	(47) 16.08.2023
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(33) India	BIOCOMPATIBLE POLYMERIC BEAD,	(22) 22.03.2017
(51) C08F 4/6592	THE FUNCTIONALIZED BEADS, AND	(54) SEMI-CRYSTALLINE BLOCK
C08F 10/02	THE BEADS PRODUCED THEREBY	COPOLYMERS AND COMPOSITIONS
(11) EP3204431	(73) Cytosorbents, Inc.	THEREFROM
(21) EP15784809.4	(72) CAPPONI, Vincent	(73) Kraton Polymers U.S. LLC
(47) 16.08.2023	GULIASHVILI, Tamaz	(72) DOSSETT, Robert
(87) US2015052873	GOLOBISH, Thomas D.	MUYLDERMANS, Xavier D.D.J.
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(22) 29.09.2015	(32) 15.05.2018	DE GROOT, Hendrik
(54) TITANIUM PHOSPHINIMIDE AND	(33) United States of America	FLOOD, John E.
TITANIUM IMINOIMIDAZOLIDIDE	(51) C08F 16/06	HANDLIN, Dale L.
CATALYST SYSTEMS WITH	B41M 5/52	WILLIS, Carl L.
ACTIVATOR-SUPPORTS	C08F 8/30	BENING, Robert C.
(73) Chevron Phillips Chemical Company LP	C08F 20/58	(31) 201662312743 P
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PRAETORIUS, Jeremy M.	C08L 29/04	(51) C08F 299/08
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(33) United States of America	(21) EP17861858.3	C08L 83/07
(51) C08F 4/70	(47) 16.08.2023	C08J 5/18
B60C 1/00	(87) JP2017037465	C08G 77/12
C08F 4/80	26.04.2018	(11) EP4026862
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(22) 31.05.2021	(47) 16.08.2023	SPECIFIC CROSSLINKING AGENT
(54) THERMALLY CONDUCTIVE SILICONE	(87) EP2020075475	(73) COMPAGNIE GENERALE DES
COMPOSITION, SHEET USING	18.03.2021	ETABLISSEMENTS MICHELIN
SAME, AND PRODUCTION METHOD	(22) 11.09.2020	(72) DOISNEAU, David
THEREFOR	(54) ANTI-MICROBIAL HYDROGEL	PATAUT, Gaël
(73) Fuji Polymer Industries Co., Ltd.	(73) Universiteit Gent	LUIZ, Laura
Sulfur Chemical Laboratory Inc.	(72) VAN VLIERBERGHE, Sandra	LETESSIER, Julien
(72) KAWAHAMA, Keisuke	MIGNON, Arn	(31) 1900922
OKUMURA, Tomoyuki	DUBRUEL, Peter	1873134
MORI, Kunio	GHEYSENS, Tom	(32) 31.01.2019
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(32) 16.11.2020	(32) 11.09.2019	(33) France
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C08G 18/32	C08G 18/48	C09D 163/00
C08G 18/66	C08G 18/62	C09D 5/08
C08G 18/76	C08G 18/42	C08G 59/06
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COMPOSITIONS	(21) EP20771296.9	AQUEOUS EPOXY RESIN BASED
(73) SHPP Global Technologies B.V.	(47) 16.08.2023	COATING COMPOSITIONS, PROCESS
(72) TARKIN-TAS, Eylem	(87) EP2020075476	FOR ITS PREPARATION AND USE
BANACH, Timothy Edward	18.03.2021	THEREOF
(31) 19189450	(22) 11.09.2020	(73) Allnex Austria GmbH
(32) 31.07.2019	(54) FIBROUS MATERIALS	(72) HOBISCH, Gerald
(33) European Patent Office (EPO)	(73) Universiteit Gent	OSSANNA, René
(51) C08G 18/54	(72) VAN VLIERBERGHE, Sandra	BERNSTEINER, Iris
C08G 18/42	DUBRUEL, Peter	(31) 17204542
C08G 18/48	GHEYSENS, Tom	17202472
C08G 18/76	MIGNON, Arn	(32) 29.11.2017
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(47) 16.08.2023	(21) EP17720515.0	(11) EP4083104
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(54) METHOD FOR THE PREPARATION	(22) 03.05.2017	(54) TACKIFIER FOR ADHESIVE
OF POLYURETHANE HARD FOAM	(54) METHOD FOR PRODUCING A	COMPOSITION
COMPOSITE ELEMENTS USING	POLYISOCYANURATE COMPOSITE	(73) Lawter, Inc.
MANNICH POLYOLS	MATERIAL	(72) Hazen, John
(73) BASF SE	(73) Covestro Intellectual Property GmbH &	Giacomelli Penon, Massimiliano
(72) THATER, Michael	Co. KG	Bakker, Wietze
KALUSCHKE, Tobias	(72) MATNER, Mathias	Matsushima, Hironori
JACOBMEIER, Olaf	HEINZ, Paul	Okawachi, Keijirou
RENNER, Christian	HOCKE, Heiko	(51) C08G 63/183
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A61L 15/26	25.06.2020	(72) BRENNER, Gabriele
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24.06.2021	(54) FLAME RETARDANT AND AUTO-	(22) 23.03.2018
(22) 15.12.2020	CATALYTIC POLYESTERS FOR	(54) GLASS TRANSITION HIGH-
(54) POLYESTER CARBONATES MADE	POLYURETHANES	TEMPERATURE SEMI-CRYSTALLINE
FROM CYCLOALIPHATIC DIACIDS	(73) Coim Asia Pacific Pte. Ltd.	POLYAMIDE COMPOSITION MADE
AND ALIPHATIC DIOLS AND METHOD	(72) CHANG, Wally, Liyuan	OF NEAR-FIELD DIAMINE FOR
FOR PRODUCING THE SAME	(31) UB20151731	THERMOPLASTIC MATERIAL,
(73) Covestro Intellectual Property GmbH &	201562167390 P	METHOD FOR MANUFACTURING
Co. KG	(32) 29.06.2015	SAME AND USES THEREOF
(72) MEYER, Alexander	28.05.2015	(73) ARKEMA FRANCE
BERTIN, Annabelle	(33) Italy	(72) HOCHSTETTER, Gilles
HEUER, Helmut, Werner	United States of America	CAPELOT, Mathieu
HEIJL, Jan	(51) C08G 63/86	(31) 1754508
(31) 19216480	C08G 63/83	1752486
(32) 16.12.2019	C08G 63/183	(32) 22.05.2017
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(54) METHOD FOR PRODUCING A	(22) 12.06.2016	09.08.2018
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(73) Covestro Intellectual Property GmbH &	PREPARATION METHOD THEREFOR	(54) THERMOPLASTIC COMPOSITION
Co. KG	(73) Jiangsu Hengli Chemical Fibre Co., Ltd.	(73) Multibase SA
(72) HEIJL, Jan	(72) TANG, Fangming	(72) ARRIGONI, Aurelie
BERTIN, Annabelle	WANG, Lili	BOUCARD, Sylvain
HEUER, Helmut, Werner	FAN, Hongwei	(31) 17305112
MEYER, Alexander	NIU, Zangzang	(32) 31.01.2017
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(32) 16.12.2019	WANG, Shanshui	(51) C08H 1/02
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(21) EP17176499.6	(11) EP3728400	CROSSLINKING PROTEIN
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(54) METHOD OF SYNTHESISING	(87) EP2018086225	(72) ZHONG, Yidong
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(73) Imperial Innovations Limited	PRINTING LAYERS OF A POLYMER	(51) C08J 3/20
(72) WILLIAMS, Charlotte	COMPOSITION COMPRISING	B29B 7/60
BUCHARD, Antoine	AT LEAST ONE PEEK-PEMEK	B29B 7/72
KEMBER, Michael	COPOLYMER	B29B 7/82
JUTZ, Fabian	(73) Solvay Specialty Polymers USA, LLC.	B29B 7/90
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(54) METHOD FOR PRODUCING A RESIN	C08G 63/183	(87) EP2015069368
MOLDED BODY AND METHOD	(11) EP4032945	03.03.2016
FOR INCREASING DEFIBRATION	(21) EP21171607.1	(22) 24.08.2015
OF CELLULOSE NANOFIBERS	(47) 16.08.2023	(54) METHOD FOR MANUFACTURING
DURING PRODUCTION OF THE RESIN	(22) 30.04.2021	MOLDED COMPONENTS
MOLDED BODY	(54) POLYESTER FILM, PREPARATION	(73) Adidas AG
(73) Asahi Kasei Kabushiki Kaisha	METHOD THEREOF AND	(72) LE, Huu Minh Tru
(72) ARATANI, Ryoko	METHOD FOR REPRODUCING	PRICE, Daniel Stephen
(31) 2019099379	POLYETHYLENETEREPHTHALATE	ALTSTÄDT, Volker
(32) 28.05.2019	CONTAINER USING SAME	HILL, Jan
(33) Japan	(73) SK microworks Co., Ltd.	ROBERTSON, Christopher
(51) C08J 3/22	(72) KIM, Chul Kyu	KERLING, Sabrina
C08J 3/24	YANG, Joo Ho	KEILHOLZ, Clemens
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(47) 16.08.2023	20210009734	HOLMES, Christopher Edward
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(22) 26.05.2017	(33) Korea (Republic)	KOEPPL, Thomas
(54) PARTICULATE CURING COMPONENTS	Korea (Republic)	SMITH, Paul Leonard Michael
(73) Hexcel Composites Limited	(51) C08J 5/18	KIRUPANANTHAM, Dharan
Hexcel Composites GmbH & Co KG	C08L 23/08	(31) 102014216992
(72) REISINGER, Michael	C08F 210/16	PCT/EP2015/057909
GANGLBERGER, Thorsten	(11) EP3581611	(32) 26.08.2014
WHITER, Mark	(21) EP18892677.8	10.04.2015
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C08J 5/24	(54) POLYETHYLENE RESIN FILM	C08J 9/14
B32B 5/26	(73) LG CHEM, LTD.	C08J 9/12
B32B 5/02	(72) CHOI, Yi Young	C08J 9/00
D03D 13/00	LEE, Hyojoon	B32B 5/18
D03D 15/275	KIM, Seyoung	B32B 5/24
D03D 15/283	LEE, Jinyoung	B32B 7/08
D03D 15/573	IM, Seul Ki	(11) EP3237511
(11) EP3127694	LEE, Seung Min	(21) EP15828485.1
(21) EP15773493.0	CHO, Sol	(47) 16.08.2023
(47) 16.08.2023	JANG, Chang Hwan	(87) EP2015079803
(87) JP2015058845	(31) 20180152915	30.06.2016
08.10.2015	20170174514	(22) 15.12.2015
(22) 24.03.2015	(32) 30.11.2018	(54) FIBRE REINFORCEMENT OF
(54) FIBER-REINFORCED COMPOSITE	18.12.2017	ANISOTROPIC FOAMS
MATERIAL	(33) Korea (Republic)	(73) BASF SE
(73) KB Seiren, Ltd.	Korea (Republic)	(72) MERKEL, Peter
(72) INOUE Naoki	(51) C08J 5/24	ARBTER, Rene
(31) 2014071015	C08G 59/50	STEIN, Robert
(32) 31.03.2014	C08G 59/56	KICIAK, Thomas
(33) Japan	(11) EP3353236	LONGO-SCHEDEL, Daniela
(51) C08J 5/10	(21) EP16778716.7	MORINO, Alessio
C08J 5/24	(47) 16.08.2023	DAUN, Gregor
C08K 5/5399	(87) EP2016072742	HARTENSTEIN, Markus
C08K 5/527	30.03.2017	KIRGIS, Andreas
(11) EP3020753	(22) 23.09.2016	SAMPATH, Bangaru Dharmapuri
(21) EP15189783.2	(54) METHOD FOR MAKING A COMPOSITE	Sriramulu
(47) 16.08.2023	MATERIAL	TERRENOIRE, Alexandre
(22) 14.10.2015	(73) Cytec Engineered Materials Ltd.	RUCKDÄSCHEL, Holger
(54) FLAME RETARDANT FIBRE-MATRIX	(72) ASPIN, Ian	MARTIN, Marc, Claude
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(73) LANXESS Deutschland GmbH	(32) 25.09.2015	DIEHLMANN, Tim
(72) Enz, Matthias	(33) United States of America	(31) 14199628
Endtner, Jochen	(51) C08J 9/16	(32) 22.12.2014

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(51) C08J 11/04	(72) ALBAS GIRAL, Carlos	A61B 8/00
C08K 5/20	MAURER, Renaud	C08L 83/04
C08K 5/17	MEZAILLES, Marc	C08L 83/05
C08K 5/103	(31) 201462015692 P	C08L 83/07
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C08K 5/053	(32) 23.06.2014	C08G 77/12
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C08K 5/12	United States of America	G10K 11/30
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(54) METHOD FOR STABILIZING	(21) EP14766374.4	(87) JP2018033195
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AND MOLDING COMPOUNDS	19.03.2015	(54) COMPOSITION FOR ACOUSTIC
AND MOLDED PARTS PRODUCED	(22) 08.09.2014	WAVE PROBE, SILICONE RESIN
THEREFROM	(54) PLASTICIZED POLYMERIC	FOR ACOUSTIC WAVE PROBE,
(73) Fraunhofer-Gesellschaft zur Förderung	COMPOSITION	ACOUSTIC WAVE PROBE,
der angewandten Forschung e.V.	(73) 3M Innovative Properties Company	ULTRASOUND PROBE, ACOUSTIC
(72) PFAENDNER, Rudolf	(72) LEWANDOWSKI, Kevin, M.	WAVE MEASUREMENT APPARATUS,
(31) 102019204160	JANOSKI, Jonathan, E.	ULTRASOUND DIAGNOSTIC
(32) 26.03.2019	(31) 201361876951 P	APPARATUS, PHOTOACOUSTIC WAVE
(33) Germany	(32) 12.09.2013	MEASUREMENT APPARATUS, AND
(51) C08K 3/00	(33) United States of America	ULTRASOUND ENDOSCOPE
E21B 43/10	(51) C08K 5/3417	(73) FUJIFILM Corporation
E21B 33/12	C08K 7/02	Shin-Etsu Chemical Co., Ltd.
C08L 23/16	C08K 5/00	(72) MATSUMOTO, Nobuaki
C08L 9/06	(11) EP4025643	KITAGAWA, Taichi
C08L 21/00	(21) EP20774888.0	UEHIRA, Shigeki
C08L 23/28	(47) 16.08.2023	NAKAI, Yoshihiro
C08K 3/01	(87) EP2020074525	(31) 2017174405
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(47) 16.08.2023	(54) THERMOPLASTIC MOLDING	(51) C08L 9/00
(87) NL2012050695	COMPOSITIONS THAT RESIST HEAT	B60C 1/00
11.04.2013	(73) BASF SE	C08K 9/10
(22) 04.10.2012	(72) SURE, Rebecca	C08L 21/00
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(73) Ruma Products B.V.	WELLER, Tina Elisabeth	(47) 16.08.2023
(72) SEYGER, Roger Martin	EIBECK, Peter	(87) IB2019061157
(31) 2007533	HAEDLER, Andreas Thomas	25.06.2020
(32) 04.10.2011	DEGLMANN, Peter	(22) 20.12.2019
(33) Netherlands	SCHOEMER, Martina	(54) CAPSULES COMPRISING ADDITIVES
(51) C08K 5/00	(31) 19195672	FOR TYRE COMPOUNDS,
C08K 5/098	(32) 05.09.2019	PREPARATION METHOD AND USE
C08K 9/06	(33) European Patent Office (EPO)	FOR THE PRODUCTION OF TYRES
C09K 5/14	(51) C08K 7/00	(73) Pirelli Tyre S.p.A.
C08J 5/04	C08K 7/06	(72) BRAZZO, Paolo
C08K 3/04	C08L 81/06	DONETTI, Raffaella
C08K 7/14	C08L 67/00	SUSANNA, Antonio
C08L 77/06	(11) EP3453744	HANEL, Thomas
C08L 77/02	(21) EP17792760.5	BEVERINA, Luca
H01B 1/04	(47) 16.08.2023	(31) 201800020728
(11) EP3157983	(87) JP2017017135	(32) 21.12.2018
(21) EP15809051.4	09.11.2017	(33) Italy
(47) 16.08.2023	(22) 01.05.2017	(51) C08L 9/06
(87) US2015036493	(54) RESIN COMPOSITION	B60C 1/00
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(22) 18.06.2015	(72) KOMORI Kazuhiro	C08K 3/22
(54) THERMALLY CONDUCTIVE AND	(31) 2016092526	C08K 3/30
ELECTRICALLY CONDUCTIVE NYLON	(32) 02.05.2016	C08K 3/34
COMPOUNDS	(33) Japan	C08K 5/11

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TEMPERATURE PARTICULATE	Bohn, Cecilia	C10G 45/44
SUSPENDING AGENT	Baermann, Axel	C10G 45/58
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(22) 06.10.2020	(22) 07.07.2017	(21) EP20200521.1
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(73) Tensator Group Limited	(73) McMillan, Jaron Lyell	(22) 07.10.2020
(72) SULLY, Benjamin James	(72) McMillan, Jaron Lyell	(54) EXCAVATION DEVICE AND AND EXCAVATION METHOD FOR REMOVING EARTH
CRAWLEY, Peter James	(31) 16721981	(73) BAUER Maschinen GmbH
(31) 201914447	(32) 08.07.2016	(72) WEIXLER, Leonhard
(32) 07.10.2019	(33) New Zealand	
(33) United Kingdom	(51) E02D 5/20	(51) E02D 29/14
(51) E02B 3/10	E02D 5/36	(11) EP4083331
E02B 3/04	E02D 15/04	(21) EP22170889.4
E02B 7/06	E02D 27/16	(47) 16.08.2023
E02B 7/10	(11) EP3848512	(22) 29.04.2022
E01F 15/08	(21) EP20150504.7	(54) STREET MANHOLE COVER WITH KEY/ LOCK ASSEMBLY
(11) EP3746603	(47) 16.08.2023	(73) Fonderie Belli S.r.l.
(21) EP19747569.2	(22) 07.01.2020	(72) BELLI, Roberto
(47) 16.08.2023	(54) METHOD FOR CREATING A FOUNDATION ELEMENT IN THE GROUND AND FOUNDATION ELEMENT	(31) 202100010874
(87) US2019015037	(73) BAUER Spezialtiefbau GmbH	(32) 29.04.2021
08.08.2019	(72) Wiedenmann, Ulli	(33) Italy
(22) 24.01.2019	(51) E02D 7/00	(51) E02F 3/36
(54) STRUCTURE SUPPORTED CONTAINMENT DIKE	E02D 7/14	(11) EP3567163
(73) P.V. FLOOD CONTROL CORP.	E02D 7/22	(21) EP18735831.2
(72) VICKERS, Paul	E02D 7/26	(47) 16.08.2023
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(51) E02B 3/10	(47) 16.08.2023	(54) SAFETY DEVICE FOR QUICK COUPLER
E02B 7/04	(87) JP2020006508	(73) Daemo Engineering Co., Ltd.
E02B 8/06	03.09.2020	(72) LEE, Seung Hwan
E02B 9/02	(22) 19.02.2020	JANG, Su Ick
E02D 17/18	(54) PILE PRESS-IN DEVICE AND PILE PRESS-IN METHOD	(31) 20170001751
F03B 13/08	(73) Giken Ltd.	20170001750
G01M 5/00	(72) ONO, Masaaki	(32) 05.01.2017
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(47) 16.08.2023	MORIOKA, Yoshihiro	Korea (Republic)
(87) US2014020640	(31) 2019035736	(51) E02F 3/40
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(72) FRENCH, William L.	E02D 13/10	(54) Excavator bucket and earth moving machine
(31) 201313827020	E02D 7/08	(73) Liebherr-Mining Equipment Colmar SAS
(32) 14.03.2013	E02D 13/00	(72) Caux, Brice
(33) United States of America	(11) EP3990709	Weber, Gérard
(51) E02D 3/026	(21) EP20737297.0	Vicq, Martial
E01C 19/23	(47) 16.08.2023	Weiss, Oliver
E02F 9/28	(87) NL2020050426	
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(47) 16.08.2023	(54) PILE-DRIVER AND METHOD	A01G 23/087
(22) 28.10.2021	(73) IQIP Holding B.V.	(11) EP4028599
(54) ROLLER TOOL FOR A SOIL WORKING ROLLER	(72) WINKES, Jasper Stefan	(21) EP20775208.0
(73) Hamm AG	(31) 2023409	(47) 16.08.2023
(72) Striegl, Marina	2023408	(87) EP2020075243
Meier, Matthias	(32) 28.06.2019	18.03.2021
(31) 102020131448	(32) 28.06.2019	(22) 09.09.2020
(32) 27.11.2020	(33) Netherlands	(54) GRIPPER
(33) Germany	Netherlands	(73) Steininger, Werner
(51) E02D 3/08	(51) E02D 17/13	(72) Steininger, Werner
E02D 3/10		(31) 507902019
(11) EP3482005		(32) 11.09.2019

(33) Austria	(54) METHOD AND ASSEMBLY FOR	OSAKA, Tadashi
(51) E02F 3/43	CARRYING OUT CONSTRUCTION	ISHIDA, Seiji
A01B 79/00	MEASURES	(31) 2015254033
E02F 9/26	(73) BAUER Spezialtiefbau GmbH	(32) 25.12.2015
A01B 71/02	(72) SCHOBER, Andreas	(33) Japan
A01D 41/14	SEMEL, Matthias	(51) E02F 9/22
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(21) EP21217267.0	B60K 17/22	(11) EP3530816
(47) 16.08.2023	E02F 9/12	(21) EP18761799.8
(22) 23.12.2021	(11) EP3578719	(47) 16.08.2023
(54) METHOD FOR DETECTING A WORK	(21) EP18849852.1	(87) JP2018007614
OR AGRICULTURAL VEHICLE	(47) 16.08.2023	07.09.2018
MISSION THROUGH A NEURAL	(87) JP2018031189	(22) 28.02.2018
NETWORK AND CONTROL UNIT	07.03.2019	(54) HYDRAULIC SHOVEL
IMPLEMENTING THE METHOD	(22) 23.08.2018	(73) Hitachi Construction Machinery Tierra
(73) CNH Industrial Italia S.p.A.	(54) CONSTRUCTION MACHINERY	Co., Ltd.
(72) Gravili, Andrea	(73) Hitachi Construction Machinery Co., Ltd.	(72) MAEDA Kohei
Saracino, Costanzo	(72) SUZUKI, Shouhei	TANAKA Yutaka
Venezia, Antonio	KOBAYASHI, Shintaro	URASE Kohei
Liberti, Stefano	(31) 2017166753	MOTOZU Makoto
Palmas, Michela	(32) 31.08.2017	(31) 2017038269
Iennaco, Riccardo	(33) Japan	(32) 01.03.2017
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(32) 07.01.2021	A01B 59/06	(51) E02F 9/24
(33) Italy	B62D 21/18	E02F 9/26
(51) E02F 3/43	(11) EP3563653	E02F 9/20
E02F 9/20	(21) EP17888059.7	E02F 9/22
E02F 3/32	(47) 16.08.2023	(11) EP3510202
E02F 3/96	(87) KR2017013398	(21) EP16915477.0
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(21) EP18902200.7	(22) 23.11.2017	(87) CN2016098499
(47) 16.08.2023	(54) FRAME DEVICE FOR AGRICULTURAL	15.03.2018
(87) JP2018040859	WORK VEHICLE	(22) 09.09.2016
01.08.2019	(73) LS Mtron Ltd.	(54) ROLLOVER PREVENTION SYSTEM
(22) 02.11.2018	(72) PARK, Young Gil	AND METHOD FOR CONSTRUCTION
(54) WORK MACHINE, WORK MACHINE	SEO, Yong Min	MACHINE
CONTROL METHOD, PROGRAM, AND	(31) 20170133740	(73) Volvo Construction Equipment AB
RECORDING MEDIUM FOR SAME	20170133736	(72) ZHOU, Pingsheng
(73) KUBOTA CORPORATION	20160179655	LI, Huanan
(72) HORII Hiroshi	20160179651	WANG, Qibin
(31) 2018009182	(32) 16.10.2017	CHEN, Jinpeng
(32) 23.01.2018	16.10.2017	(51) E02F 9/26
(33) Japan	27.12.2016	G05D 1/00
(51) E02F 3/76	27.12.2016	(11) EP4060128
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(11) EP3775399	Korea (Republic)	(22) 24.02.2022
(21) EP19719021.8	Korea (Republic)	(54) REMOTE OPERATION SYSTEM
(47) 16.08.2023	(51) E02F 9/20	(73) Kobelco Construction Machinery Co.,
(87) US2019026242	B60L 58/27	Ltd.
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(22) 08.04.2019	H01M 10/6568	Yamazaki, Yoichiro
(54) ARCUATE BIT SURFACE AND BLADE	B60L 50/16	(31) 2021044410
ASSEMBLY	H01M 10/6563	(32) 18.03.2021
(73) Caterpillar Inc.	H01M 10/633	(33) Japan
(72) CONGDON, Thomas M.	H01M 10/625	(51) E03B 7/07
PARZYNSKI JR., David B.	H01M 10/615	G01M 3/28
(31) 201815952548	H01M 10/613	(11) EP3568681
(32) 13.04.2018	B60K 6/28	(21) EP17780262.6
(33) United States of America	(11) EP3396075	(47) 16.08.2023
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E02F 9/20	(47) 16.08.2023	19.07.2018
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(47) 16.08.2023	(22) 31.10.2016	MODEL-BASED LEAK DETECTION OF
(22) 26.05.2020	(54) HYBRID CONSTRUCTION MACHINERY	A PIPE NETWORK
	(73) Hitachi Construction Machinery Co., Ltd.	(73) Sensus Spectrum LLC
	(72) TAKEUCHI, Ken	(72) SMITH, Travis

RASEKH, Amin	(33) United States of America	(73) Hämäläinen, Sami
SHAFIEE, Michael, Ehsan	United States of America	(72) Hämäläinen, Sami
CAMPBELL, Bruce	(51) E03C 1/05	(31) 20187142
BARKER, Zachary, A.	E03D 5/10	(32) 03.10.2018
MULLER, Grant	(11) EP3760796	(33) Finland
(31) 201715402743	(21) EP19183896.0	(51) E03F 5/22
(32) 10.01.2017	(47) 16.08.2023	(11) EP3791028
(33) United States of America	(22) 02.07.2019	(21) EP19723743.1
(51) E03B 7/08	(54) DEVICE COMPRISING AN ACTUATING	(47) 16.08.2023
E03D 1/14	DEVICE WITH USER RECOGNITION	(87) EP2019061643
(11) EP3705635	FÜR SANITARY FAUCET AND A	14.11.2019
(21) EP20159173.2	FAUCET	(22) 07.05.2019
(47) 16.08.2023	(73) Geberit International AG	(54) SEWAGE LIFTING INSTALLATION
(22) 25.02.2020	(72) OBERHOLZER, Roland	(73) KSB SE & Co. KGaA
(54) FLUSHING CISTERN, IN PARTICULAR	MERBOLD, Hannes	(72) GEINITZ, Jürgen
A FLUSH-MOUNTED CISTERN, FOR	BITZER, Andreas	BECKER, Michael
A WC OR URINAL, AS WELL AS A	(51) E03C 1/22	(31) 102018207243
DRINKING WATER CONDUIT SYSTEM	E03C 1/264	(32) 09.05.2018
WITH A FLUSHING CISTERN	E03C 1/29	(33) Germany
(73) Viega Technology GmbH & Co. KG	E03F 5/04	(51) E04C 2/20
(72) Dietermann, Patrick	(11) EP3835499	E04C 2/38
Hausmann, Jennifer	(21) EP20208520.5	(11) EP3945174
Ziegeweidt, Julian	(47) 16.08.2023	(21) EP21187719.6
Ruhrmann, Andre	(22) 19.11.2020	(47) 16.08.2023
Vojkovic, Marko	(54) DRAIN FITTING, IN PARTICULAR FOR	(22) 26.07.2021
Steger, Patrick	A SHOWER TRAY OR IN THE FORM	(54) FOAM WALL STRUCTURES
(31) 102019105614	OF A FLOOR DRAIN	AND METHODS FOR THEIR
(32) 06.03.2019	(73) Viega Technology GmbH & Co. KG	MANUFACTURE
(33) Germany	(72) Hennes, Frank	(73) Covestro LLC
(51) E03B 7/08	(31) 102019131566	(72) Lambach, Jim
E03D 1/14	(32) 22.11.2019	(31) 202016944269
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(47) 16.08.2023	E03F 5/04	(51) E04C 2/288
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(54) WATER SUPPLY SYSTEM WITH	(21) EP20213057.1	E04C 2/10
FLUSHING CISTERN	(47) 16.08.2023	B28B 23/02
(73) Viega Technology GmbH & Co. KG	(22) 10.12.2020	E04B 2/00
(72) Ruhrmann, Andre	(54) SHOWER TRAY	E04C 5/20
Ziegeweidt, Julian	(73) Bette GmbH & Co. KG	E04C 2/04
Hausmann, Jennifer	(31) 102019135423	(11) EP3940162
Dietermann, Patrick	(32) 20.12.2019	(21) EP21195826.9
Vojkovic, Marko	(33) Germany	(47) 16.08.2023
Steger, Patrick	(51) E03D 1/14	(22) 21.04.2017
(31) 102019105614	E03D 1/35	(54) SYSTEM FOR INSULATED CONCRETE
(32) 06.03.2019	E03D 5/02	COMPOSITE WALL PANELS
(33) Germany	(11) EP3981927	(73) Foderberg, Joel
(51) E03C 1/02	(21) EP21200855.1	(72) Foderberg, Joel
E03C 1/042	(47) 16.08.2023	(31) 201762465549 P
E03C 1/06	(22) 05.10.2021	201662334902 P
A47L 17/00	(54) HYDRAULIC VALVE FOR DUAL-FLUSH	(32) 01.03.2017
B65H 75/38	TOILET FLUSH	11.05.2016
E03C 1/04	(73) Bampi S.p.A.	(33) United States of America
(11) EP3926109	(72) BAMPI, Riccardo	United States of America
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(22) 30.04.2021	(33) Italy	(11) EP3406815
(54) CEILING MOUNTED KITCHEN FAUCET	(51) E03F 5/02	(21) EP18171281.1
(73) Kohler Co.	E02D 29/12	(47) 16.08.2023
(72) JOHNSON, Drew	B29C 63/28	(22) 08.05.2018
FRYE, Jacob	B29C 63/34	(54) CONSTRUCTION SYSTEM
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DE SWARTE, Gregory	(21) EP19020550.0	(72) Kolding, Klaus
WEEKLEY, Rodney	(47) 16.08.2023	Stausgaard, Morten Walther
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(22) 28.03.2022	United States of America	(51) E04G 11/48
(54) SYSTEM FOR ADJUSTING AND FIXING SHEET-SHAPED ELEMENTS FOR RAILINGS	United States of America	E04G 25/02
(73) Aluvetro S.r.l.	United States of America	E04G 1/02
(72) Bonometti, Gianluca	United States of America	E04G 7/32
Pimazzoni, Simone	(51) E04F 15/02	E04G 7/30
Pescini, Eddy	E04F 15/04	E04G 1/06
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(32) 29.03.2021	(11) EP3918148	E04G 5/16
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(51) E04F 13/04	(47) 16.08.2023	(21) EP19201044.5
E04B 1/84	(87) NL2019050057	(47) 16.08.2023
C09J 7/21	06.08.2020	(22) 02.10.2019
B32B 5/24	(22) 30.01.2019	(54) HEAVY DUTY SCAFFOLDING TOWER WITH OPTIMIZED MODULAR SCAFFOLDING STRUCTURE
E04B 1/82	(54) PANEL AND COVERING COMPRISING THE SAME	(73) PERI SE
E04B 1/68	(73) I4F LICENSING NV	(72) MIKIC, Erzad
C09J 7/38	(72) PERRA, Antonio Giuseppe	(31) 102018217042
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(73) Knauf Gips KG	(54) SUPPORT ELEMENT FOR RAISED SURFACES	(54) BINDING MACHINE
3D COATINGS GmbH & Co. KG	(73) Solidor Rubber & Products BVBA	(73) Max Co., Ltd.
(72) STUBITS, Robert	(72) DEJANS, Olivier	(72) Itagaki, Osamu
MARQUARDT, Andreas	(31) 201600007	(31) 2016257453
SCHÄFER, Matthias	(32) 14.01.2016	(32) 29.12.2016
VIEBAHN, Michael	(33) Belgium	(33) Japan
POINTL, Stefan	(51) E04G 3/20	(51) E04G 21/32
WILHELM, Andreas	E04G 3/28	(11) EP3985209
PHILIPP, Simon	E04G 11/28	(21) EP21202758.5
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E04B 1/94	(11) EP3980610	(22) 14.10.2021
E06B 1/62	(21) EP20730604.4	(54) POST COMPRISING AN ANTI-LIFTING SYSTEM
E04B 1/76	(47) 16.08.2023	(73) Retotub
E06B 5/16	(87) EP2020065330	(72) DA COSTA, Octavio
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(21) EP21214006.5	(22) 03.06.2020	(32) 16.10.2020
(47) 16.08.2023	(54) ASSEMBLY CONSISTING OF A CLIMBING RAIL AND A CLIMBING LIFT RAIL FOR A RAIL-GUIDED CLIMBING SYSTEM	(33) France
(22) 12.11.2019	(73) PERI SE	(51) E04H 3/12
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(72) MEYER, Oliver	(32) 06.06.2019	(47) 16.08.2023
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(73) Bestway Inflatables & Material Corp.	(73) TSH System GmbH - Gesellschaft für Systemlösungen des Tischler- und Schreinerhandwerks mbH	(72) RUPP, Matthias
(72) HUANG, Shuiyong	(72) Curdt, Rainer	SPERGER, Thomas
CHEN, Xiaobo		KÖNIG, Bernd
(31) 202020587295 U	(51) E05B 83/24	(31) 5023319 U
(32) 20.04.2020	E05C 3/26	(32) 19.12.2019
(33) China	E05C 3/30	(33) Austria
(51) E04H 4/10	E05B 83/16	(51) E05D 15/52
A63C 19/12	(11) EP3929383	E05F 1/10
B60J 7/06	(21) EP21181525.3	E05D 15/10
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(73) Becoflex	(32) 25.06.2020	(73) Roto Frank Fenster- und Türtechnologie GmbH
(72) COENRAETS, Benoît	(33) Japan	(72) ISSLER, Thorsten
(31) 202005124	(51) E05B 85/16	NYIKOS, Tamas
(32) 26.02.2020	B60J 5/04	FINGERLE, Stefan
(33) Belgium	E05B 81/76	PETER, Markus
(51) E04H 12/08	(11) EP3575526	(31) 102018201994
E04H 12/34	(21) EP18744552.3	(32) 08.02.2018
F03D 13/20	(47) 16.08.2023	(33) Germany
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RAHM, Fredrik	(54) CAPACITIVE IGNITION SYSTEM WITH	S
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F02M 55/00	SUPPRESSION OF AC RINGING	Kristensen, Jens Jørgen Østergaard
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(72) YUDANOV, Sergi	F16C 17/10	Hoegh, Gustav
(51) F02M 59/44	F16C 19/18	(51) F03D 13/40
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(54) HP PUMP OF A FUEL INJECTION	(47) 16.08.2023	(54) PREASSEMBLY SYSTEM AND
SYSTEM	(22) 11.05.2021	METHOD FOR OPTIMAL POSITIONING
(73) Delphi Technologies IP Limited	(54) WATER TURBINE AND/OR WATER	OF TOWER STRUCTURES
(72) WADE, Ben	PUMP	(73) Vestas Wind Systems A/S
MOLD, Alex	(73) DIVE Turbinen GmbH & Co. KG	(72) MORTENSEN, Peter Sigfred
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Ryuzaki, Tatsuya	OF POWER FROM A FLUID FLOW AND	CONVERTER
Tsunashima, Kosuke	INSTALLATION PROCESS FOR SUCH	(73) KK Wind Solutions A/S
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(73) Astronics Advanced Electronic Systems	(72) Mosquera, Mauricio Giovanni	TURBINE
Corp.	Ingold, Paul-Michael William	(73) Siemens Gamesa Renewable Energy A/
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(73) General Electric Company	(73) Eagle Industry Co., Ltd.	(73) NETZSCH Pumpen & Systeme GmbH
(72) REED, James Eric	(72) KURIHARA Daichi	(72) THEILACKER, André
MORENO BENITO, Eduardo	FUKUDOME Kohei	LESSMANN, Lorenz
UNZUETA GARCIA, Sergi	HAYAMA Masahiro	RADUENZ, Ivanilson
HOLLADAY, Gary Wayne	EJIMA Takahiro	(31) 102016122286
YENSER, Ronald Lawrence	TAKAHASHI Wataru	(32) 21.11.2016
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(72) MAZOUFFRE, Stéphane	(87) CN2019103967	(73) Dana Motion Systems Italia S.R.L.
TSIKATA, Sedina	18.06.2020	(72) Buscicchio, Luca
(31) 1659808	(22) 02.09.2019	Trinchieri, Piergiorgio
(32) 11.10.2016	(54) HEAD FIXING DEVICE OF COMPRESSOR, COMPRESSOR AND REFRIGERATION DEVICE	(51) F04C 18/02
(33) France	(73) Gree Green Refrigeration Technology Center Co., Ltd. of Zhuhai	F04C 28/24
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(21) EP21202416.0	MO, Ziyang	F16K 15/06
(47) 16.08.2023	CHEN, Juanjuan	F16K 47/04
(22) 13.10.2021	XU, Min	F16K 47/08
(54) HIGH-DENSITY MATTER CONVEYING DEVICE AND METHOD FOR OPERATING THE STIRRING DEVICES OF SUCH A DEVICE	(31) 201811512032	F04D 29/04
(73) Liebherr-Mischtechnik GmbH	(32) 11.12.2018	(11) EP3578821
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Stoffel, Tommy	(51) F04B 49/06	(47) 16.08.2023
Bader, Dominik	F04B 49/20	(87) JP2017003472
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(33) Germany	F04B 49/02	(54) ROTARY DISPLACEMENT COMPRESSOR
(51) F04B 17/00	F04C 28/06	(73) Hitachi Industrial Equipment Systems Co., Ltd.
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(11) EP2820297	F04C 29/00	KATO Fuminori
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MEIER, Benedikt	(73) Mitsubishi Heavy Industries, Ltd.	F15B 11/044
OETTMEIER, Martin	(72) SAIKI, Yasuhiro	(11) EP3581809
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C22C 1/08	(21) EP19859799.9	(11) EP3763950
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KAUL, Sebastian	MONDEN, Kengo	F16B 43/00
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Anosenkov, Iurii	F16B 13/08	MILLET, Thierry
(72) Becht, Waldemar	F16B 13/12	MORO, Michel
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(73) Lucas France	(32) 22.08.2018	(54) SCREW WITH AXIALLY COMPRESSIBLE THREAD
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LABRIET, Olivier	(33) United States of America	(72) SCHNEIDER, Roland
LAURENT, Christophe	United States of America	(31) 19206572
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(73) Seat, S.A.	(31) 102019107820	(22) 20.10.2020
(72) CORULL MASSANA, Ernest	(32) 27.03.2019	(54) SCREW WITH AXIAL THREAD PLAY
MORÓN MORTE, Juan Carlos	(33) Germany	(73) Hilti Aktiengesellschaft
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(72) HELLIN, Frank	(54) EASILY REMOVEABLE PUSH-ON SPRING NUT	(73) J. van Walraven Holding B.V.
(51) F16B 12/12	(73) Penn Engineering & Manufacturing Corp.	(72) NIJDAM, Frank
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(22) 02.09.2019	(22) 24.05.2019	UNIVERSAL JOINT
(54) A BEARING UNIT FOR A YAWING	(54) ROLLING BEARING	(73) Stanley Black & Decker MEA FZE
SYSTEM OF A WIND TURBINE	(73) Liebherr-Components Biberach GmbH	(72) CHAN, Yi-Tung
(73) Vestas Wind Systems A/S	(72) PALMER, Andreas	TU, Ching-Yi
(72) ÖSTERBERG, David	ZELL, Robert	(51) F16D 9/04
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(54) BEARING MONITORING/ANALYSIS	(73) SMC Corporation	(51) F16D 13/62
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Co., Ltd.	METHOD OF MANUFACTURING SUCH	(72) WANG, Hongbo
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(54) LIGHTING DEVICE	(54) GAS TURBINE ENGINE COMBUSTOR	(11) EP3848637
(73) LG INNOTEK CO. LTD	COMPRISING A LINER PANEL WITH	(21) EP20747646.6
(72) PARK, Kwang Ho	MICRO-CIRCUIT CORE COOLING	(47) 16.08.2023
KIM, Chul Hong	(73) Raytheon Technologies Corporation	(87) KR2020001483
HYUN, Jun Chul	(72) DAI, Zhongtao	06.08.2020
YANG, Hyun Duck	CURTIS, Lauryn M.	(22) 31.01.2020
PARK, Moo Ryong	WONG, Eva	(54) OVEN AND COOKING METHOD
(31) 20120065264	PAAUWE, Corneil S.	THEREFOR
20120065260	PORTER, Steven D.	(73) Samsung Electronics Co., Ltd.
20120065259	QUACH, San	(72) CHOI, Junhoe
(32) 18.06.2012	STYBORSKI, Jeremy	HAN, Jeongsu
18.06.2012	KARANIAN, Caroline	NOH, Taegyoon
18.06.2012	(31) 201916402707	(31) 20190013841
(33) Korea (Republic)	(32) 03.05.2019	(32) 01.02.2019
Korea (Republic)	(33) United States of America	(33) Korea (Republic)
Korea (Republic)	(51) F23R 3/04	(51) F24C 7/08
(51) F21V 21/15	F02C 3/34	F24C 15/32
H02P 3/00	F16L 7/00	H05B 6/64
H02K 7/10	F23R 3/60	(11) EP3910239
F21W 131/406	(11) EP3879178	(21) EP19909133.1
(11) EP3798510	(21) EP21159205.0	(47) 16.08.2023
(21) EP19219914.9	(47) 16.08.2023	(87) JP2019043526
(47) 16.08.2023	(22) 25.02.2021	16.07.2020
(22) 27.12.2019	(54) GAS TURBINE COMBUSTOR SYSTEM	(22) 06.11.2019
(54) MOTOR BRAKING SYSTEM OF STAGE	(73) Toshiba Energy Systems & Solutions	(54) COOKING DEVICE
LIGHT	Corporation	(73) Panasonic Intellectual Property
(73) Guangzhou Haoyang Electronic Co., Ltd.	(72) Morisawa, Yuichi	Management Co., Ltd.
(72) JIANG, Weikai	Itoh, Masao	(72) OTANI, Ryosuke
(31) 201921656841 U	Iwai, Yasunori	HAYASHI, Takahiro
(32) 30.09.2019	(31) 2020042964	KATSUBE, Hiroyuki
(33) China	(32) 12.03.2020	OTSUKI, Yuichi
(51) F23D 14/02	(33) Japan	(31) 2019002480
(11) EP4006417	(51) F23R 3/06	(32) 10.01.2019
(21) EP21210094.5	F23R 3/60	(33) Japan
(47) 16.08.2023	F02C 7/266	(51) F24C 15/00
(22) 24.11.2021	(11) EP3969813	F24C 15/04
(54) COMBUSTION MEMBRANE FOR A	(21) EP20730189.6	F24C 7/08
BURNER	(47) 16.08.2023	H05B 6/64
(73) BECKETT THERMAL SOLUTIONS	(87) EP2020063202	(11) EP3907431
S.R.L.	19.11.2020	(21) EP20172641.1
(72) GILIOLI, Massimo	(22) 12.05.2020	(47) 16.08.2023
SIGHINOLFI, Luca	(54) COMBUSTION CHAMBER	(22) 04.05.2020
ETENZI, Ettore	COMPRISING MEANS FOR COOLING	(54) DOOR ASSEMBLY FOR AN OVEN
GANGALE, Gabriele	AN ANNULAR CASING ZONE	APPLIANCE
(31) 202000029018	DOWNSTREAM OF A CHIMNEY	(73) ELECTROLUX APPLIANCES
(32) 30.11.2020	(73) SAFRAN AIRCRAFT ENGINES	AKTIEBOLAG
(33) Italy	(72) LEPAROUX, Julien, Marc, Matthieu	(72) WEBER, Mario
(51) F23N 1/00	PIEUSSERGUES, Christophe	WINKELMANN, Klaus
F16K 5/02	(31) 1904934	(51) F24F 1/02
F16K 5/10	(32) 13.05.2019	F24F 11/89
(11) EP3935315	(33) France	F24F 13/20
(21) EP20713969.2	(51) F24B 5/08	F24F 13/32
(47) 16.08.2023	F24B 1/22	F24H 3/04
(87) IB2020051748	(11) EP3719402	(11) EP3627065
10.09.2020	(21) EP20160931.0	(21) EP19198628.0
(22) 02.03.2020	(47) 16.08.2023	(47) 16.08.2023
(54) GAS COCK FOR GAS BURNER	(22) 04.03.2020	(22) 20.09.2019
(73) Pel Pintossi Emilio S.p.A.	(54) OVEN WITH SWITCHABLE COOKING	(54) MODULAR AMBIENT AIR TREATMENT
(72) PINTOSSI, Ivano	CHAMBER	SYSTEM
(31) 201900003109	(73) Riener, Karl Stefan	(73) Uhlik, Christian
(32) 04.03.2019	(72) Riener, Karl Stefan	(72) Uhlik, Christian
(33) Italy	(31) 102019002502	(31) 202019100593 U
(51) F23R 3/00	(32) 04.04.2019	102018123327
F23R 3/06	(33) Germany	(32) 31.01.2019
(11) EP3734161	(51) F24C 7/08	21.09.2018

(33) Germany	(47) 16.08.2023	(22) 18.03.2019
Germany	(87) CH2019050016	(54) MACHINE-LEARNING METHOD FOR
(51) F24F 1/38	20.02.2020	CONDITIONING INDIVIDUAL OR
F24F 1/50	(22) 13.08.2019	SHARED AREAS
F24F 1/56	(54) PRESSURE SHIELDING SYSTEM,	(73) Carrier Corporation
F24F 13/20	DIFFERENTIAL PRESSURE DEVICE	(72) FERRARI, Alberto
(11) EP3751206	AND BUILDING	SMITH, Fabrizio
(21) EP20186254.7	(73) Jomos Brandschutz AG	HIGLEY, Jason
(47) 16.08.2023	(72) NIEDERHAUSER, Emanuel	RUCCO, Matteo
(22) 21.04.2017	(31) 9872018	(31) 201862644813 P
(54) OUTDOOR UNIT FOR	(32) 14.08.2018	(32) 19.03.2018
REFRIGERATION CYCLE APPARATUS	(33) Switzerland	(33) United States of America
(73) DAIKIN INDUSTRIES, LTD.	(51) F24F 11/30	(51) F24F 11/65
(72) KOIKE, Fumiaki	F24F 11/62	F24F 11/74
KAMITANI, Shigeki	F24F 11/79	F24F 13/06
(31) 2016089212	F24F 11/63	F24F 3/167
(32) 27.04.2016	F24F 11/46	A61G 13/10
(33) Japan	F24F 11/74	(11) EP3926246
(51) F24F 3/044	F24F 120/10	(21) EP20179999.6
F24F 11/74	F24F 120/12	(47) 16.08.2023
F24F 11/84	F24F 120/14	(22) 15.06.2020
F24F 11/86	(11) EP2966371	(54) A DYNAMIC AIR SUPPLY SYSTEM
F24F 11/89	(21) EP15171863.2	AND A METHOD FOR PROVIDING
F24F 11/77	(47) 16.08.2023	DYNAMIC AIR FLOW IN A CLEAN
F25B 13/00	(22) 12.06.2015	ROOM
F25B 49/02	(54) ROOM INFORMATION INFERRING	(73) Halton OY
F24F 110/30	APPARATUS, ROOM INFORMATION	(72) Hagström, Kim
(11) EP3957919	INFERRING METHOD, AND AIR	Grönvall, Ismo
(21) EP19925110.9	CONDITIONING APPARATUS	(51) F24F 11/86
(47) 16.08.2023	(73) OMRON CORPORATION	F24F 11/41
(87) JP2019051585	(72) Nakaichi, Jun	F24F 11/64
22.10.2020	Manabe, Seiichi	F24F 11/61
(22) 27.12.2019	(31) 2014143645	F24F 140/20
(54) AIR CONDITIONING SYSTEM	(32) 11.07.2014	F24F 110/12
(73) Daikin Industries, Ltd.	(33) Japan	(11) EP3734177
(72) TATSUMI, Kouji	(51) F24F 11/47	(21) EP18894860.8
NOUCHI, Yoshiteru	F24F 11/86	(47) 16.08.2023
NAKASHIMA, Taishi	F24F 11/875	(87) CN2018110792
TANAKA, Shuuichi	F24F 140/60	04.07.2019
SUZUKI, Ryouta	F24F 5/00	(22) 18.10.2018
(31) 2019116144	F25B 13/00	(54) CONTROL METHOD FOR AIR
2019077305	F25B 49/02	CONDITIONER
(32) 24.06.2019	(11) EP3839365	(73) Haier Smart Home Co., Ltd.
15.04.2019	(21) EP19866743.8	Qingdao Haier Air-Conditioning
(33) Japan	(47) 16.08.2023	Electronic Co., Ltd
Japan	(87) JP2019037592	(72) AN, Chao
(51) F24F 3/06	02.04.2020	GU, Chao
F25B 29/00	(22) 25.09.2019	(31) 201711421568
F24F 11/89	(54) AIR-CONDITIONING SYSTEM	(32) 25.12.2017
F25B 13/00	(73) DAIKIN INDUSTRIES, LTD.	(33) China
F25B 25/00	(72) YASUO Kouichi	(51) F24F 11/88
F25B 47/02	UKIBUNE Masanori	F24F 11/49
(11) EP2535652	OHNO Masao	F24F 1/0007
(21) EP10845660.9	(31) 2018184730	(11) EP3783272
(47) 16.08.2023	(32) 28.09.2018	(21) EP18915338.0
(87) JP2010000809	(33) Japan	(47) 16.08.2023
18.08.2011	(51) F24F 11/62	(87) JP2018015952
(22) 10.02.2010	F24F 11/64	24.10.2019
(54) AIR CONDITIONER	F24F 110/10	(22) 18.04.2018
(73) Mitsubishi Electric Corporation	F24F 120/20	(54) CONTROL SUBSTRATE AND INDOOR
(72) MOTOMURA, Yuji	F24F 120/00	UNIT OF AIR CONDITIONER
MORIMOTO, Hiroyuki	F24F 110/30	(73) Mitsubishi Electric Corporation
YAMASHITA, Koji	F24F 110/20	(72) KANEJOYA, Shinya
UE, Jyunichi	(11) EP3769014	(51) F24F 13/02
(51) F24F 9/00	(21) EP19714083.3	F24F 13/065
F24F 11/00	(47) 16.08.2023	F24F 13/10
(11) EP3837475	(87) US2019022744	(11) EP3268674
(21) EP19768997.9	26.09.2019	(21) EP16717533.0

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(87) CZ2016000025	PARK, Seungje	(51) F24T 10/20
15.09.2016	JANG, Hoyong	(11) EP3289291
(22) 08.03.2016	HEO, Jeashik	(21) EP16723926.8
(54) AIR DUCT WITH REGULATION	(31) 20180121341	(47) 16.08.2023
MEMBRANE	(32) 11.10.2018	(87) CH2016000072
(73) Prihoda s.r.o.	(33) Korea (Republic)	03.11.2016
(72) BURES, Michal	(51) F24H 3/04	(22) 26.04.2016
PRIHODA, Zdenek	(11) EP3728962	(54) METHOD FOR UTILIZING THE INNER
(31) 20150470	(21) EP18839826.7	ENERGY OF AN AQUIFER FLUID IN A
20150164	(47) 16.08.2023	GEOTHERMAL PLANT
(32) 07.07.2015	(87) FR2018053250	(73) von Düring Management AG
09.03.2015	27.06.2019	(72) VON DÜRING, Bodo
(33) Czech Republic	(22) 13.12.2018	(31) 5802015
Czech Republic	(54) ELECTRIC HEATING DEVICE WITH	(32) 27.04.2015
(51) F24F 13/22	ELECTRODE HOUSING STATION	(33) Switzerland
F04B 11/00	(73) Valeo Systemes Thermiques-THS	(51) F25B 1/00
F04B 39/00	(72) COUAPEL, Yann	F25B 30/02
(11) EP3830493	GOGMOS, Erwan	C09K 5/04
(21) EP19730495.9	(31) 1762533	(11) EP3948105
(47) 16.08.2023	(32) 19.12.2017	(21) EP19759338.7
(87) GB2019051550	(33) France	(47) 16.08.2023
30.01.2020	(51) F24S 20/20	(87) EP2019072541
(22) 05.06.2019	F28D 20/00	08.10.2020
(54) CONDENSATE PUMP ASSEMBLY	(11) EP3458779	(22) 23.08.2019
(73) Aspen Pumps Limited	(21) EP17728044.3	(54) THERMAL WORKING MACHINE
(72) FORSHAW, Christopher	(47) 16.08.2023	HAVING A WATER-BASED
GEE, Christopher	(87) CH2017000045	REFRIGERANT
SHARPESTONE, Joseph	23.11.2017	(73) Combipart GmbH
(31) 201812281	(22) 16.05.2017	(72) STEFFENS, Ralf
(32) 27.07.2018	(54) PROCESS SYSTEM FOR	KLEIN, Steffen
(33) United Kingdom	RECOVERING HEAT, AND A METHOD	(31) 102019002297
(51) F24H 1/12	FOR OPERATING SAME	(32) 31.03.2019
F28D 9/00	(73) Synhelion SA	(33) Germany
H05B 3/22	(72) PEDRETTI-RODI, Andrea	(51) F25B 1/00
(11) EP3417210	(31) 6402016	F25B 40/00
(21) EP17705097.8	(32) 18.05.2016	F25B 41/24
(47) 16.08.2023	(33) Switzerland	F25B 41/40
(87) EP2017053111	(51) F24S 20/67	(11) EP3767201
24.08.2017	F24S 25/35	(21) EP18909684.5
(22) 13.02.2017	F24S 20/00	(47) 16.08.2023
(54) OIL-WATER HEAT EXCHANGER, IN	F24S 25/60	(87) JP2018010671
PARTICULAR FOR THE INTERNAL	(11) EP3907441	19.09.2019
COMBUSTION ENGINE OF A MOTOR	(21) EP21170942.3	(22) 13.03.2018
VEHICLE	(47) 16.08.2023	(54) HEATING AND COOLING SYSTEM
(73) Webasto SE	(22) 28.04.2021	(73) E . T . L Corporation
(72) CAP, Christoph	(54) FASTENING ARRANGEMENT FOR	(72) HISASHIGE, Mitsuto
HENTRICH, Tobias	ATTACHING SOLAR PANELS OR	SUGIYAMA, Naoki
RECHBERGER, Hans	GLASS ELEMENTS	KURITA, Fumiharu
HAINZLMAIER, Christian	(73) Kelo-Marketing Oy	OKAMOTO, Tomoko
GÖTTL, Karl	(72) KELO, Toni	(51) F25B 1/00
LAPPE, Marvin	(31) 20205458	F25B 43/00
(31) 102016102890	(32) 05.05.2020	F25B 13/00
(32) 18.02.2016	(33) Finland	F25B 40/00
(33) Germany	(51) F24S 23/30	F25B 41/30
(51) F24H 1/14	F24S 40/00	F25B 49/02
H05B 3/00	(11) EP4007873	F25B 41/42
B01D 35/18	(21) EP20750652.8	(11) EP3816537
C02F 1/00	(47) 16.08.2023	(21) EP18923832.2
C02F 1/02	(87) EP2020071746	(47) 16.08.2023
H05B 6/02	11.02.2021	(87) JP2018024812
H05B 6/80	(22) 01.08.2020	02.01.2020
(11) EP3637011	(54) SAFETY LENS	(22) 29.06.2018
(21) EP19199750.1	(73) Heliac A/S	(54) REFRIGERATION CYCLE DEVICE
(47) 16.08.2023	(72) PRANOV, Henrik	(73) Mitsubishi Electric Corporation
(22) 26.09.2019	(31) 201911080	(72) NISHIYAMA, Takumi
(54) WATER PURIFIER	(32) 02.08.2019	(51) F25B 13/00
(73) LG ELECTRONICS INC.		

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(11) EP3527913	F24F 11/88	(22) 25.08.2020
(21) EP19164994.6	F24F 11/64	(54) UNDER COUNTER TYPE
(47) 16.08.2023	F24F 11/86	REFRIGERATOR
(22) 20.10.2010	H02M 7/48	(73) LG Electronics Inc.
(54) TEMPERATURE CONTROL SYSTEM	H02M 1/32	(72) LEE, Sanggyun
(73) DZSolar Ltd	F24F 5/00	DONG, Yongwon
(72) ZAMIR, Ofri	(11) EP3967946	LEE, Younseok
(31) 25357309 P	(21) EP20855925.2	LEE, Chungseob
(32) 21.10.2009	(47) 16.08.2023	KIM, Dongseok
(33) United States of America	(87) CN2020100562	(31) 20190104741
(51) F25B 15/06	04.03.2021	20190104742
F25B 15/00	(22) 07.07.2020	(32) 26.08.2019
F25B 49/02	(54) PHOTOVOLTAIC AIR CONDITIONER	26.08.2019
(11) EP4124809	CONTROL METHOD AND APPARATUS	(33) Korea (Republic)
(21) EP22186903.5	AND PHOTOVOLTAIC AIR	Korea (Republic)
(47) 16.08.2023	CONDITIONER	(51) F25D 23/04
(22) 26.07.2022	(73) Gree Electric Appliances, Inc. of Zhuhai	F25D 25/02
(54) ABSORPTION CHILLER	(72) CHEN, Ningning	F25D 23/12
(73) Yazaki Energy System Corporation	XIAO, Zunhui	(11) EP3842715
(72) Sagata, Teruhiro	YU, Xianqiao	(21) EP19864793.5
Hiyama, Osamu	QU, Dongrui	(47) 16.08.2023
Uematsu, Hiroshi	(31) 201910818100	(87) CN2019082186
(31) 2021124399	(32) 30.08.2019	02.04.2020
(32) 29.07.2021	(33) China	(22) 11.04.2019
(33) Japan	(51) F25D 17/04	(54) WATER TANK ASSEMBLY AND
(51) F25B 31/00	F25D 23/06	REFRIGERATOR
F25B 1/047	F25D 25/02	(73) Midea Group Co., Ltd.
(11) EP3742077	(11) EP2951515	Hefei Midea Refrigerator Co., Ltd.
(21) EP19175782.2	(21) EP14700868.4	Hefei Hualing Co., Ltd.
(47) 16.08.2023	(47) 16.08.2023	(72) LIU, Zanxi
(22) 21.05.2019	(87) EP2014050761	SUN, Mingxing
(54) REFRIGERATION APPARATUS AND	07.08.2014	CHEN, Xing
USE THEREOF	(22) 16.01.2014	SI, Zengqiang
(73) Carrier Corporation	(54) REFRIGERATION UNIT HAVING A	SHAO, Yang
(72) RAHHAL, Charbel	CONTAINER	SHAO, Hui
MULLER, Raphael	(73) BSH Hausgeräte GmbH	WANG, Jincai
WALLET-LAÏLY, Jeremy	(72) MAYER, Markus	(31) 201811150015
BARRIERE, Antoine	KINZLER, Thomas	(32) 29.09.2018
(51) F25B 47/02	STAHL, Robert	(33) China
F24F 11/42	ILLENBERGER, Bernd	(51) F25D 25/02
F24F 11/64	CIZIK, Herbert	F25D 17/04
F24F 11/86	FINK, Jürgen	(11) EP3859256
F24F 11/871	KRAPP, Michael	(21) EP21153990.3
F24F 110/40	BORMANN, Marietta	(47) 16.08.2023
F24F 140/20	(31) 102013201589	(22) 28.01.2021
(11) EP3872422	(32) 31.01.2013	(54) REFRIGERATOR
(21) EP19903134.5	(33) Germany	(73) LG Electronics Inc.
(47) 16.08.2023	(51) F25D 17/06	(72) CHOI, Kwanghyun
(87) CN2019128713	(11) EP3896368	KIM, Changwon
02.07.2020	(21) EP19895186.5	(31) 20200010656
(22) 26.12.2019	(47) 16.08.2023	(32) 29.01.2020
(54) AIR CONDITIONING SYSTEM,	(87) CN2019122645	(33) Korea (Republic)
AND METHOD AND DEVICE FOR	18.06.2020	(51) F25J 1/00
CONTROLLING AIR CONDITIONING	(22) 03.12.2019	F25B 9/06
SYSTEM	(54) REFRIGERATOR	F01D 25/22
(73) GD Midea Air-Conditioning Equipment	(73) Qingdao Haier Refrigerator Co., Ltd	F01D 25/16
Co., Ltd.	Haier Smart Home Co., Ltd.	F02C 6/00
(72) DU, Yanjun	Aqua Co., Ltd	F02C 6/06
WU, Jianhua	(72) KOMATSU, Hazime	F02C 7/06
LI, Jinbo	TATENO, Takaya	F16C 32/06
(31) 201910325595	TOYOSHIMA, Masashi	(11) EP3702588
201811634416	(31) 2018231167	(21) EP18870378.9
(32) 22.04.2019	(32) 10.12.2018	(47) 16.08.2023
29.12.2018	(33) Japan	(87) JP2018037640
(33) China	(51) F25D 23/00	02.05.2019
China	(11) EP3786554	(22) 10.10.2018
(51) F25B 49/02	(21) EP20192579.9	(54) GAS EXPANSION SYSTEM

(73) Kawasaki Jukogyo Kabushiki Kaisha	F24F 1/06	(54) MOUNTING MEANS FOR HEAT EXCHANGERS AND HEAT EXCHANGE SYSTEM FOR VEHICLES
(72) KARIYA, Daisuke	F24F 5/00	(73) VALEO SYSTEMES THERMIQUES
ADACHI, Toshimitsu	F24F 11/36	(72) TRINDADE, José
TAKEUCHI, Ryota	F25B 49/00	TOURNOIS, Rémi
ISHIMARU, Hidetsugu	(11) EP3943856	BIREAUD, Fabien
SAITO, Yuichi	(21) EP21184637.3	(31) 1903897
SAKAI, Naoto	(47) 16.08.2023	(32) 11.04.2019
(31) 2017208075	(22) 09.07.2021	(33) France
(32) 27.10.2017	(54) DRY OR ADIABATIC EVAPORATIVE CONDENSER COMPRISING A SYSTEM FOR NEUTRALISATION OF COOLANT LEAKS	(51) F28D 1/053
(33) Japan	(73) Jacir	F25B 39/04
(51) F26B 3/12	(72) DUHAMEL, Philippe	(11) EP3812679
F26B 21/10	(31) 2007818	(21) EP19204285.1
F26B 23/02	(32) 24.07.2020	(47) 16.08.2023
(11) EP3724584	(33) France	(22) 21.10.2019
(21) EP18836454.1	(51) F28B 1/06	(54) A HEAT EXCHANGER
(47) 16.08.2023	F28D 1/02	(73) Valeo Klimasysteme GmbH
(87) DE2018200114	F28F 11/00	(72) SEKTI, Condro
20.06.2019	G01M 3/04	(51) F28D 9/00
(22) 13.12.2018	F24F 11/36	F28D 9/02
(54) HEATING COMPARTMENT FOR SUPPLYING HEAT AND SPRAY DRYER FOR DRYING AN ARTICLE WHICH IS TO BE DRIED	F25B 39/04	F28F 3/00
(73) Lübbers Anlagen- und Umwelttechnik GmbH	F25B 49/00	F28F 3/02
(72) LÜBBERS, Matthias	(11) EP3943858	F28F 3/08
(31) 202017107664 U	(21) EP21184657.1	F28D 21/00
(32) 15.12.2017	(47) 16.08.2023	F28F 9/02
(33) Germany	(22) 09.07.2021	(11) EP3469288
(51) F26B 9/06	(54) DRY OR ADIABATIC EVAPORATIVE CONDENSER COMPRISING A SYSTEM FOR CONTAINMENT OF COOLANT LEAKS	(21) EP17811061.5
F26B 21/02	(73) Jacir	(47) 16.08.2023
F26B 21/08	(72) DUHAMEL, Philippe	(87) US2017036696
F26B 21/10	(31) 2007821	14.12.2017
F26B 21/12	(32) 24.07.2020	(22) 09.06.2017
F26B 25/22	(33) France	(54) HEAT EXCHANGER FLANGE PLATE WITH SUPERCOOLING FUNCTION
G01N 5/04	(51) F28D 1/04	(73) Modine Manufacturing Company
(11) EP3724585	(11) EP3892948	(72) MULLER-LUFFT, Stefan
(21) EP19773872.7	(21) EP20461528.0	MULLER, Tobias
(47) 16.08.2023	(47) 16.08.2023	(31) 102016007089
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KARIOTY, Farid	OPTICALLY ACTIVE SURFACE	AGAINST SCREEN OVERHEATING
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FERRE, Fanny	PRODUCTION THEREOF	(72) DIVINE, Armand
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(73) Siemens Aktiengesellschaft	SIGNAL ACQUIRED BY A SENSOR	(73) Valmet Automation Oy
(72) Schall, Daniel	AND SYSTEM THEREFROM	(72) Uusitalo, Anni
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(73) NEC Corporation	KIM, Sungwook	(73) Blockchain 4 All Limited
(72) MARSON, Giorgia Azzurra Dr.	SHIN, Hyejin	(72) Fares, Samir Moriss Gerges
LI, Wenting	CHO, Kyungsun	(51) G06F 21/78
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(47) 16.08.2023	G16H 40/67	(54) APPARATUS FOR ADDING PROTECTION FUNCTION FOR INDIRECT ACCESS MEMORY CONTROLLER
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	(54) ACCESS CONTROL TO MEDICAL DOCUMENTS WITH ACCESS CONTROL LISTS	(31) 201711344551
	(73) FUJIFILM Business Innovation Corp.	(32) 15.12.2017
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(73) National University Corporation Chiba University Maeda Corporation (72) TSUNAKAWA, Takashi HIRASAWA, Gakuhiro YAMATO, Daisaku (31) 2018076416 (32) 11.04.2018 (33) Japan	(51) G06F 30/331 G06F 119/06 (11) EP3532929 (21) EP17863432.5 (47) 16.08.2023 (87) US2017059092 03.05.2018 (22) 30.10.2017 (54) POWER COMPUTATION LOGIC (73) Synopsys, Inc. (72) CHOU, Ching-Ping (31) 201662415480 P (32) 31.10.2016 (33) United States of America	(51) G06K 19/07 G06K 7/00 (11) EP3545469 (21) EP17804157.0 (47) 16.08.2023 (87) EP2017079936 31.05.2018 (22) 21.11.2017 (54) METHOD AND APPARATUS FOR PASSIVE REMOTE CONTROL (73) InterDigital CE Patent Holdings (72) NADEAU, Pascal LOUZIR, Ali MINARD, Philippe KUMAR, Rupesh (31) 16306557 (32) 25.11.2016 (33) European Patent Office (EPO)
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(72) Kettelhoit, Boris	GAO, Wenmei	TORRES LOPEZ, Lidia Rosario
Neitemeier, Dennis	LU, Henghui	LAUER, Paul-Sebastian
Nienhaus, Andreas	(51) G06T 7/194	RAPROEGER, Dirk
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(73) NuFlare Technology, Inc. (72) Nakayamada, Noriaki Ogasawara, Munehiro Nomura, Haruyuki	(51) H01L 21/28 C08F 8/26 H10N 30/098 H10N 30/857	(51) H01L 23/12 H01L 23/36 H05K 1/02
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(54) ELECTRONIC PACKAGE	(31) 201916407587	ELECTRONIC DEVICE
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(73) Qorvo US, Inc.	(33) United States of America	(72) MARUYAMA Takuya
(72) NAIR, Deepukumar, M.	(51) H01L 25/075	MIZUTA Kyohei
DEKOSKY, Jeffrey	H01L 33/48	ANDO Yukihito
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TORRESIN, Daniele	(54) IMAGE SENSOR INCLUDING COLOR	Scientifique
HABERT, Mathieu	SEPARATING LENS ARRAY AND	Université d'Aix Marseille
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(73) Contemporary Ampere Technology Co., Limited	(51) H01M 10/0567	H01M 10/36
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United States of America	IDENTIFYING COUPLED CLIENT	CORTEZ, Eli
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United States of America	(72) ZETTINGER, Chris, R.	XU, Yong
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C08G 18/38	(51) C12N 1/06	OF ADIPOSE TISSUE
C08G 18/64	G01N 1/30	(73) Lipobank S.r.l.
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 (72) ESPAGNE, Agathe
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(00) EPV Ceased Effect	
(11) EP4036421	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4037888	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4049065	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4049562	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4057171	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4058374	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4059701	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4060932	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4073983	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4074421	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4080044	
(00) 12.04.2023	
(00) EPV Ceased Effect	
(11) EP4081716	
(00) 12.04.2023	

VRB

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

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) ROCKWOOL A/S	C01F 11/46	(00) 09.08.2023
(73) ROCKWOOL A/S	F23J 15/04	(51) A61L 2/20
(11) 2007312	(00) Assignment	A47J 47/00
(00) 28.07.2023	(71) PACE LIMITED	(00) Assignment
(51) A01G 3/00	(73) ARRIS GLOBAL LTD.	(71) ROCKWOOL A/S
A01G 31/00	(11) EP1722615	(73) ROCKWOOL A/S
(00) Change of owner(s) name	(00) 28.07.2023	(11) EP2004921
(71) ROCKWOOL A/S	(51) H01L 23/053	(00) 28.07.2023
(73) ROCKWOOL A/S	H05K 3/28	(51) E04B 1/76
(11) EP1590540	H05K 5/00	(00) Change of owner(s) name
(00) 28.07.2023	(00) Change of Legal Entity	(71) YGROS S.R.L.
(51) E04F 13/08	(71) Evolve Technologies, LLC	(73) YGROS S.R.L.
(00) Change of owner(s) name	(73) Evolve Technologies, LLC	(11) EP2193297
(71) Ace Bed Co., Ltd.	(11) EP1841991	(00) 04.08.2023
(73) Ace Bed Co., Ltd.	(00) 04.08.2023	(51) F16K 15/02
(11) EP1759612	(51) F16K 31/00	F16K 31/08
(00) 09.08.2023	G05D 23/02	(00) Change of owner(s) name
(51) A47C 27/04	(00) Assignment	(71) Suez International
A47C 27/20	(71) ROCKWOOL A/S	(73) Suez International
B29C 44/12	(73) ROCKWOOL A/S	(11) EP2795073
B68G 7/054	(11) EP2237946	(00) 01.08.2023
(00) Assignment	(00) 28.07.2023	(51) F01K 7/34
(71) ROCKWOOL A/S	(51) B30B 9/30	F01K 7/38
(73) ROCKWOOL A/S	B65B 5/06	F01K 9/00
(11) EP1559845	B65B 35/40	F01K 17/02
(00) 28.07.2023	B65B 63/02	(00) Assignment
(51) D04H 1/70	(00) Change of owner(s) name	(71) SUEZ Groupe
D04H 13/00	(71) ROCKWOOL A/S	(73) Suez International
E04B 1/78	(73) ROCKWOOL A/S	(11) EP2795073
(00) Change of owner(s) name	(11) EP2024689	(00) 01.08.2023
(71) ARRIS GLOBAL LTD.	(00) 28.07.2023	(51) F01K 7/34
(73) ARRIS GLOBAL LTD.	(51) E04F 17/04	F01K 7/38
(11) EP1722615	F16L 57/04	F01K 9/00
(00) 28.07.2023	F24F 11/00	F01K 17/02
(51) H01L 23/053	F24F 13/02	(00) Change of owner(s) name
H05K 3/28	(00) Change of owner(s) name	(71) ROCKWOOL A/S
H05K 5/00	(71) MAXXeGUARD Data Safety B.V.	(73) ROCKWOOL A/S
(00) Change of owner(s) name	(73) MAXXeGUARD Data Safety B.V.	(11) EP2791071
(71) ROCKWOOL A/S	(11) EP2352612	(00) 28.07.2023
(73) ROCKWOOL A/S	(00) 11.08.2023	(51) C03B 5/02
(11) EP1800041	(51) B02C 18/02	C03B 37/04
(00) 28.07.2023	B02C 18/22	C03C 3/087
(51) F16L 5/04	B23D 31/00	C03C 13/06
(00) Change of owner(s) name	B23D 33/02	(00) Change of owner(s) name
(71) Ace Bed Co., Ltd.	B23D 33/08	(71) ROCKWOOL A/S
(73) Ace Bed Co., Ltd.	B26D 1/08	(73) ROCKWOOL A/S
(11) EP1834547	B26D 7/06	(11) EP2196590
(00) 09.08.2023	(00) Assignment	(00) 28.07.2023
(51) A47C 23/00	(71) ALSTOM Holdings	(51) E04B 9/00
(00) Assignment	(73) ALSTOM Holdings	(00) Change of owner(s) name
(71) EEW Energy from Waste GmbH	(11) EP2500233	(71) PACE LIMITED
(73) EEW Energy from Waste GmbH	(00) 01.08.2023	(73) ARRIS GLOBAL LTD.
(11) EP2411123	(51) B61F 5/52	(11) EP1760915
(00) 09.08.2023	(00) Assignment	(00) 28.07.2023
(51) B01D 53/50	(71) ZHUHAI HUIJIA INTELLIGENT	(51) H04B 7/06
B01D 53/75	MANUFACTURING TECHNOLOGY CO.,	H04L 1/00
B01D 53/78	LTD.	H04L 27/00
B01D 53/83	(73) ZHUHAI HUIJIA INTELLIGENT	H04B 17/00
B01D 53/96	MANUFACTURING TECHNOLOGY CO.,	(00) Change of Legal Entity
C01D 7/00	LTD.	(71) ROCKWOOL A/S
	(11) 2015821	(73) ROCKWOOL A/S

(11) EP2753770	(00) Change of owner(s) name	(11) EP2293920
(00) 28.07.2023	(71) Chicago Metallic Continental	(00) 28.07.2023
(51) E04D 11/02	ROCKWOOL A/S	(51) B29C 53/56
E04D 13/16	(73) ROCKWOOL A/S	F16L 59/02
(00) Change of owner(s) name	Chicago Metallic Continental	F16L 59/14
(71) UNITEC S.P.A.	(11) EP2241698	(00) Change of owner(s) name
(73) UNITEC S.P.A.	(00) 28.07.2023	(71) Packaging Acquisitions I, LLC
(11) EP2384306	(51) E04B 9/06	(73) Packaging Acquisitions I, LLC
(00) 04.08.2023	E04B 9/12	(11) EP2969522
(51) B07C 5/342	E04B 9/24	(00) 09.08.2023
B65G 17/36	(00) Change of owner(s) name	(51) B31F 1/08
B65G 47/96	(71) ROCKWOOL A/S	B31F 1/24
(00) Merge	(73) ROCKWOOL A/S	B65C 9/06
(71) ROCKWOOL A/S	(11) EP2459495	G01B 11/10
(73) ROCKWOOL A/S	(00) 28.07.2023	B31B 50/25
(11) EP1713985	(51) C04B 26/02	(00) Assignment
(00) 28.07.2023	C04B 28/02	(71) Solarnative GmbH
(51) E04B 1/82	(00) Change of owner(s) name	(73) Solarnative GmbH
E04B 1/86	(71) Deutsche Rockwool Mineralwoll GmbH &	(11) EP2702680
(00) Change of owner(s) name	Co. OHG	(00) 28.07.2023
(71) ROCKWOOL A/S	ROCKWOOL A/S	(51) H02J 3/38
(73) ROCKWOOL A/S	(73) Deutsche Rockwool Mineralwoll GmbH &	H02M 7/49
(11) EP2931621	Co. OHG	(00) Assignment
(00) 28.07.2023	ROCKWOOL A/S	(71) ROCKWOOL A/S
(51) B65D 19/40	(11) EP2635830	(73) ROCKWOOL A/S
B65D 71/00	(00) 28.07.2023	(11) EP2312931
B65D 85/46	(51) E04B 1/94	(00) 28.07.2023
(00) Change of owner(s) name	F16L 5/02	(51) A01G 31/00
(71) ROCKWOOL A/S	F16L 5/04	(00) Change of owner(s) name
(73) ROCKWOOL A/S	H02G 3/04	(71) ROCKWOOL A/S
(11) EP2102117	H02G 3/22	(73) ROCKWOOL A/S
(00) 28.07.2023	(00) Change of owner(s) name	(11) EP2697178
(51) C03B 5/12	(71) Solarnative GmbH	(00) 28.07.2023
C03B 5/235	(73) Solarnative GmbH	(51) C03B 5/02
(00) Change of owner(s) name	(11) EP3018665	C03B 5/03
(71) FLOKK SPÓLKA Z OGRANICZONĄ	(00) 28.07.2023	C03C 3/062
ODPOWIEDZIALNOŚCIĄ	(51) H01F 5/02	C03C 4/00
(73) FLOKK SPÓLKA Z OGRANICZONĄ	H01F 27/28	C03C 13/06
ODPOWIEDZIALNOŚCIĄ	H01F 27/32	(00) Change of owner(s) name
(11) EP2689692	(00) Assignment	(71) ROCKWOOL A/S
(00) 28.07.2023	(71) ROCKWOOL A/S	(73) ROCKWOOL A/S
(51) A47C 7/46	(73) ROCKWOOL A/S	(11) EP2402150
(00) Change of owner(s) name	(11) EP2048938	(00) 28.07.2023
(71) SPOTON CLINICAL DIAGNOSTICS	(00) 28.07.2023	(51) B32B 5/16
LIMITED	(51) A01G 24/18	B32B 5/18
(73) SPOTON CLINICAL DIAGNOSTICS	(00) Change of owner(s) name	B32B 5/24
LIMITED	(71) ROCKWOOL A/S	B32B 5/26
(11) EP2229452	(73) ROCKWOOL A/S	B32B 13/14
(00) 09.08.2023	(11) EP2260153	E04B 1/80
(51) G01N 33/68	(00) 28.07.2023	F16L 59/00
G01N 33/72	(51) E04B 1/94	(00) Change of owner(s) name
(00) Assignment	(00) Change of owner(s) name	(71) ROCKWOOL A/S
(71) ROCKWOOL A/S	(71) ROCKWOOL A/S	(73) ROCKWOOL A/S
(73) ROCKWOOL A/S	(73) ROCKWOOL A/S	(11) EP2447440
(11) EP2611281	(11) EP2598681	(00) 28.07.2023
(00) 28.07.2023	(00) 28.07.2023	(51) E04F 13/08
(51) A01G 3/00	(51) B29C 70/02	(00) Change of owner(s) name
A01G 31/00	C08K 3/22	(71) Fase S.r.l.
(00) Change of owner(s) name	D01G 9/06	(73) Fase S.r.l.
(71) ROCKWOOL A/S	D04H 1/60	(11) EP2588996
(73) ROCKWOOL A/S	D04H 1/425	(00) 08.08.2023
(11) EP3236742	D04H 1/435	(51) B42D 15/00
(00) 28.07.2023	D04H 1/54	G06K 19/06
(51) E01C 13/02	D04H 1/732	G06K 19/12
E01C 13/08	(00) Change of owner(s) name	(00) Assignment
A01G 20/20	(71) ROCKWOOL A/S	(71) ROCKWOOL A/S
A01G 24/18	(73) ROCKWOOL A/S	(73) ROCKWOOL A/S

(11) EP2587914	B07C 5/342	(00) Change of owner(s) name
(00) 28.07.2023	B65B 25/04	(71) ROCKWOOL A/S
(51) A01G 24/18	B65B 35/58	(73) ROCKWOOL A/S
A01G 24/44	B65B 57/00	(11) EP3148319
(00) Change of owner(s) name	B65G 47/00	(00) 28.07.2023
(71) ALSTOM Holdings	(00) Merge	(51) A01G 24/18
(73) ALSTOM Holdings	(71) ARRIS GLOBAL LTD.	A01G 24/44
(11) EP2500231	(73) ARRIS GLOBAL LTD.	(00) Change of owner(s) name
(00) 10.08.2023	(11) EP1760915	(71) ROCKWOOL A/S
(51) B61F 5/24	(00) 28.07.2023	(73) ROCKWOOL A/S
(00) Assignment	(51) H04B 7/06	(11) EP2909384
(71) ROCKWOOL A/S	H04L 1/00	(00) 28.07.2023
(73) ROCKWOOL A/S	H04L 27/00	(51) E02B 11/00
(11) EP2573290	H04B 17/00	E03F 1/00
(00) 28.07.2023	(00) Change of owner(s) name	(00) Change of owner(s) name
(51) E04B 9/06	(71) FLOKK SPÓLKA Z OGRANICZONĄ	(71) ROCKWOOL A/S
E04B 9/18	ODPOWIEDZIALNOŚCIĄ	(73) ROCKWOOL A/S
(00) Change of owner(s) name	(73) FLOKK SPÓLKA Z OGRANICZONĄ	(11) EP3455186
(71) ROCKWOOL A/S	ODPOWIEDZIALNOŚCIĄ	(00) 28.07.2023
(73) ROCKWOOL A/S	(11) EP3354161	(51) B32B 7/12
(11) EP2760276	(00) 28.07.2023	B32B 17/04
(00) 28.07.2023	(51) A47C 1/022	B32B 19/04
(51) A01G 31/00	(00) Change of owner(s) name	B32B 19/06
(00) Change of owner(s) name	(71) GODO KAISHA IP BRIDGE 1	B32B 27/28
(71) CAROLLO S.R.L.	(73) GODO KAISHA IP BRIDGE 1	C09J 189/00
(73) YGROS S.R.L.	(11) EP3163679	C09J 189/06
(11) EP2193297	(00) 09.08.2023	C03C 25/26
(00) 04.08.2023	(51) H01R 12/71	(00) Change of owner(s) name
(51) F16K 15/02	G06K 13/08	(71) Van der Knaap Diensten B.V.
F16K 31/08	(00) Assignment	(73) Van der Knaap Diensten B.V.
(00) Merge	(71) Hama Industry B.V.	(11) 2018372
(71) ROCKWOOL A/S	(73) Hama Industry B.V.	(00) 04.08.2023
(73) ROCKWOOL A/S	(11) 1043663	(51) A01G 9/02
(11) EP1926863	(00) 03.08.2023	A01G 9/10
(00) 28.07.2023	(51) E01C 19/15	(00) Assignment
(51) E04B 1/76	E02F 3/76	(71) Deutsche Rockwool Mineralwoll GmbH &
E04D 13/16	E02F 3/84	Co. OHG
(00) Change of owner(s) name	(00) Assignment	ROCKWOOL A/S
(71) Solarnative GmbH	(71) BalloonX Sá.r.l.	(73) Deutsche Rockwool Mineralwoll GmbH &
(73) Solarnative GmbH	(73) BalloonX Sá.r.l.	Co. OHG
(11) EP2309639	(11) 2017948	ROCKWOOL A/S
(00) 28.07.2023	(00) 03.08.2023	(11) EP2812504
(51) H02J 3/18	(51) A22B 3/00	(00) 28.07.2023
H02J 3/38	(00) Assignment	(51) E04B 1/94
H02M 7/5395	(71) Axsome Malta Ltd.	E04F 13/00
H02M 1/42	SK Biopharmaceuticals Co., LTD	E04F 13/08
(00) Assignment	(73) Axsome Malta Ltd.	(00) Change of owner(s) name
(71) GODO KAISHA IP BRIDGE 1	SK Biopharmaceuticals Co., LTD	(71) ROCKWOOL A/S
(73) GODO KAISHA IP BRIDGE 1	(11) EP3021838	(73) ROCKWOOL A/S
(11) EP3419348	(00) 09.08.2023	(11) EP2943627
(00) 09.08.2023	(51) A61K 31/27	(00) 28.07.2023
(51) H04W 52/02	A61P 3/04	(51) E04F 13/14
H04W 4/02	(00) Assignment	(00) Change of owner(s) name
G06F 1/32	(71) ROCKWOOL A/S	(71) Deutsche Rockwool Mineralwoll GmbH &
(00) Assignment	(73) ROCKWOOL A/S	Co. OHG
(71) ROCKWOOL A/S	(11) EP3016492	ROCKWOOL A/S
(73) ROCKWOOL A/S	(00) 28.07.2023	(73) Deutsche Rockwool Mineralwoll GmbH &
(11) EP2780513	(51) A01B 79/00	Co. OHG
(00) 28.07.2023	A01G 25/16	ROCKWOOL A/S
(51) E03F 1/00	A01G 31/02	(11) EP2935716
D04H 1/4218	A01G 31/00	(00) 28.07.2023
(00) Change of owner(s) name	(00) Change of owner(s) name	(51) E04B 1/61
(71) UNITEC S.P.A.	(71) ROCKWOOL A/S	E04C 2/00
(73) UNITEC S.P.A.	(73) ROCKWOOL A/S	E04C 2/08
(11) EP2914499	(11) EP2048935	E04C 2/16
(00) 04.08.2023	(00) 28.07.2023	E04C 2/24
(51) B07C 5/00	(51) A01G 31/00	E04C 2/292

E04C 2/38	A61P 25/18	E04F 13/08
E04C 2/40	A61P 25/24	(00) Change of owner(s) name
(00) Change of owner(s) name	A61P 25/30	(71) Lisa Lederer
(71) ROCKWOOL A/S	A61P 25/34	(73) Lisa Lederer
(73) ROCKWOOL A/S	(00) Assignment	(11) EP2063768
(11) EP3482001	(71) AMPACET CORPORATION	(00) 28.07.2023
(00) 28.07.2023	(73) AMPACET CORPORATION	(51) A61B 5/055
(51) E01F 8/00	(11) EP3039059	A61B 6/10
(00) Change of owner(s) name	(00) 07.08.2023	G01R 33/28
(71) ROCKWOOL A/S	(51) C08J 3/22	(00) Assignment
(73) ROCKWOOL A/S	C08K 5/00	(71) SK Biopharmaceuticals Co., Ltd.
(11) EP3388401	(00) Assignment	Axsome Malta Ltd.
(00) 28.07.2023	(71) ROCKWOOL A/S	(73) Axsome Malta Ltd.
(51) C03C 25/24	(73) ROCKWOOL A/S	SK Biopharmaceuticals Co., Ltd.
C13K 1/00	(11) EP3622030	(11) EP2968208
C08J 5/08	(00) 28.07.2023	(00) 09.08.2023
C09J 103/00	(51) C08L 89/00	(51) A61K 31/03
C09J 103/02	C09D 189/00	A61K 31/198
C03C 25/32	C09J 189/00	C07C 31/04
C09D 4/00	D04H 1/4209	C07C 269/04
C08J 5/04	D04H 1/4218	C07C 271/20
C08J 5/24	D04H 1/64	A61P 21/00
C09D 103/02	D04H 3/002	A61K 31/27
C09D 179/02	D04H 3/004	A61K 45/06
C13B 20/14	C03C 25/10	A61K 9/00
C13K 1/06	C03C 25/26	A61K 31/325
D04H 1/4209	(00) Change of owner(s) name	C07C 271/00
D04H 1/587	(71) ROCKWOOL A/S	(00) Assignment
D04H 1/64	(73) ROCKWOOL A/S	(71) ROCKWOOL A/S
(00) Change of owner(s) name	(11) EP2999828	(73) ROCKWOOL A/S
(71) Neuronostics Limited	(00) 28.07.2023	(11) EP3097240
(73) Neuronostics Limited	(51) E04B 1/18	(00) 28.07.2023
(11) EP2859481	E04C 3/36	(51) E04B 9/12
(00) 01.08.2023	(00) Change of owner(s) name	(00) Change of owner(s) name
(51) A61B 5/00	(71) ROCKWOOL A/S	(71) ROCKWOOL A/S
G16H 50/30	(73) ROCKWOOL A/S	(73) ROCKWOOL A/S
G16H 50/50	(11) EP2809849	(11) EP3660374
(00) Assignment	(00) 28.07.2023	(00) 28.07.2023
(71) Cilag GmbH International	(51) E02B 11/00	(51) F16L 5/04
(73) Cilag GmbH International	E02D 31/02	H02G 3/04
(11) EP2976015	(00) Change of owner(s) name	H02G 3/22
(00) 08.08.2023	(71) ROCKWOOL A/S	(00) Change of owner(s) name
(51) A61B 17/00	(73) ROCKWOOL A/S	(71) ROCKWOOL A/S
A61B 17/28	(11) EP1745901	(73) ROCKWOOL A/S
A61B 17/29	(00) 28.07.2023	(11) EP2709440
(00) Assignment	(51) B28B 11/04	(00) 28.07.2023
(71) AURIGENE ONCOLOGY LIMITED	C04B 26/12	(51) A01G 9/10
(73) AURIGENE ONCOLOGY LIMITED	C04B 26/32	A01G 31/00
(11) EP3466955	C04B 28/24	(00) Change of owner(s) name
(00) 27.07.2023	C04B 28/26	(71) ROCKWOOL A/S
(51) A61K 31/437	C04B 30/02	(73) ROCKWOOL A/S
A61P 35/00	E04B 2/16	(11) EP2408723
C07D 498/04	(00) Change of owner(s) name	(00) 28.07.2023
C07D 513/04	(71) ROCKWOOL A/S	(51) C13B 20/14
C07D 519/00	(73) ROCKWOOL A/S	C08J 5/04
(00) Change of owner(s) name	(11) EP2793554	C08J 5/08
(71) Axsome Malta Ltd.	(00) 28.07.2023	C08J 5/24
(73) Axsome Malta Ltd.	(51) A01G 24/18	C09D 4/00
(11) EP3509581	A01G 24/46	C09D 103/02
(00) 09.08.2023	(00) Change of owner(s) name	C09D 179/02
(51) A61K 9/20	(71) ROCKWOOL A/S	C09J 103/00
A61K 31/27	(73) ROCKWOOL A/S	C09J 103/02
A61P 3/04	(11) EP2989267	C13K 1/00
A61P 15/00	(00) 28.07.2023	C13K 1/06
A61P 21/00	(51) E04B 2/00	D04H 1/4209
A61P 25/00	E04B 5/36	D04H 1/587
A61P 25/14	E04F 13/04	D04H 1/64

C03C 25/24	(00) 28.07.2023	A61P 11/06
C03C 25/32	(51) B04C 5/15	C07K 16/28
(00) Change of owner(s) name	B04C 5/18	C07K 16/46
(71) ROCKWOOL A/S	(00) Change of owner(s) name	C12N 5/10
(73) ROCKWOOL A/S	(71) HTL-DHT B.V.	C12N 15/00
(11) EP2895662	(73) HTL-DHT B.V.	C12N 15/09
(00) 28.07.2023	(11) 2022211	C12P 21/08
(51) E03F 5/10	(00) 28.07.2023	(00) Assignment
(00) Change of owner(s) name	(51) A24D 1/02	(71) ROCKWOOL A/S
(71) Machnet Medical Robotics B.V.	A24F 47/00	(73) ROCKWOOL A/S
(73) Machnet Medical Robotics B.V.	(00) Change of owner(s) name	(11) EP2670901
(11) EP3504445	(71) GODO KAISHA IP BRIDGE 1	(00) 28.07.2023
(00) 28.07.2023	(73) GODO KAISHA IP BRIDGE 1	(51) B29C 43/00
(51) F15B 11/18	(11) EP3843465	C03C 13/06
F15B 11/12	(00) 09.08.2023	C08L 23/06
F16H 27/02	(51) H04W 52/02	C08L 23/12
A61B 90/11	(00) Assignment	C08L 27/18
A61B 10/02	(71) ROCKWOOL A/S	C08L 33/08
A61B 17/00	(73) ROCKWOOL A/S	C08L 61/06
F16H 55/26	(11) EP2964015	C08L 63/00
(00) Assignment	(00) 28.07.2023	C08L 75/02
(71) ROCKWOOL A/S	(51) A01G 9/24	C08L 75/04
(73) ROCKWOOL A/S	A01G 25/09	C08L 79/04
(11) EP2686483	(00) Change of owner(s) name	D04H 1/54
(00) 28.07.2023	(71) ROCKWOOL A/S	D04H 1/72
(51) E01C 7/02	(73) ROCKWOOL A/S	C03C 25/24
E01C 13/06	(11) EP3278068	(00) Change of owner(s) name
(00) Change of owner(s) name	(00) 28.07.2023	(71) Solarnative GmbH
(71) HTL-DHT B.V.	(51) G01G 11/08	(73) Solarnative GmbH
(73) HTL-DHT B.V.	(00) Change of owner(s) name	(11) EP3108561
(11) 2021287	(71) Verily Life Sciences LLC	(00) 28.07.2023
(00) 28.07.2023	DexCom, Inc.	(51) H02J 3/38
(51) A24B 15/14	(73) Verily Life Sciences LLC	H02M 1/44
(00) Change of owner(s) name	DexCom, Inc.	H02M 7/48
(71) Verily Life Sciences LLC	(11) EP3515287	(00) Assignment
DexCom, Inc.	(00) 01.08.2023	(71) Ace Bed Co., Ltd.
(73) Verily Life Sciences LLC	(51) A61B 5/07	(73) Ace Bed Co., Ltd.
DexCom, Inc.	A61B 5/1486	(11) EP2853175
(11) EP3488434	A61B 5/00	(00) 10.08.2023
(00) 01.08.2023	A61B 5/145	(51) A47C 27/06
(51) G08C 17/04	(00) Assignment	(00) Assignment
(00) Assignment	(71) ROCKWOOL A/S	(71) Cilag GmbH International
(71) LOTTE ENERGY MATERIALS CORPORATION	(73) ROCKWOOL A/S	(73) Cilag GmbH International
(73) LOTTE ENERGY MATERIALS CORPORATION	(11) EP2459787	(11) EP3145419
(11) EP3067199	(00) 28.07.2023	(00) 08.08.2023
(00) 11.08.2023	(51) B29C 67/24	(51) A61B 1/06
(51) B32B 15/20	D01G 9/06	A61B 17/00
H01M 4/02	D01G 9/16	A61B 17/34
H01M 4/66	D01G 23/02	A61B 90/30
H05K 1/05	D01G 23/08	(00) Assignment
H05K 1/09	D04H 1/60	(71) Cilag GmbH International
H01M 10/0525	D04H 1/4209	(73) Cilag GmbH International
(00) Change of Legal Entity	D04H 1/4218	(11) EP3228254
(71) AURIGENE ONCOLOGY LIMITED	D04H 1/4226	(00) 08.08.2023
(73) AURIGENE ONCOLOGY LIMITED	D04H 1/54	(51) A61B 17/00
(11) EP3094329	D04H 1/587	A61B 17/29
(00) 27.07.2023	D04H 1/64	(00) Assignment
(51) A61K 31/437	D04H 1/645	(71) ROCKWOOL A/S
A61P 35/00	D04H 1/72	(73) ROCKWOOL A/S
C07D 498/04	D04H 1/732	(11) EP3311054
C07D 513/04	D04H 1/736	(00) 28.07.2023
(00) Change of owner(s) name	(00) Change of owner(s) name	(51) F16L 5/04
(71) ROCKWOOL A/S	(71) Upstream Bio, Inc.	H02G 3/04
(73) ROCKWOOL A/S	(73) Upstream Bio, Inc.	H02G 3/22
(11) EP2758180	(11) EP3031913	(00) Change of owner(s) name
	(00) 07.08.2023	(71) ROCKWOOL A/S
	(51) A61K 39/395	(73) ROCKWOOL A/S

(11) EP2898148	(51) G06K 9/00	(71) ROCKWOOL A/S
(00) 28.07.2023	G06F 3/0354	(73) ROCKWOOL A/S
(51) E01C 3/00	G06F 3/0481	(11) EP3621931
E01C 3/06	G06F 3/0482	(00) 28.07.2023
E01C 13/02	G06F 3/0488	(51) C08L 89/00
E01C 13/08	G06F 21/32	C09D 189/00
E02B 11/00	G06F 9/445	C09J 101/10
E03F 1/00	(00) Assignment	C09J 105/00
(00) Change of owner(s) name	(71) Clariant International Ltd	C09J 189/00
(71) ROCKWOOL A/S	(73) Clariant International Ltd	C09J 189/06
(73) ROCKWOOL A/S	(11) EP1802394	E04B 1/74
(11) EP2125438	(00) 01.08.2023	D04H 1/4209
(00) 28.07.2023	(51) B01J 23/00	D04H 1/4218
(51) B60R 13/08	(00) Assignment	D04H 1/64
C04B 26/28	(71) Solarnative GmbH	D04H 3/002
C04B 111/28	(73) Solarnative GmbH	D04H 3/004
C04B 111/52	(11) EP3332466	C03C 25/10
E04C 2/16	(00) 28.07.2023	C03C 25/26
F16L 59/04	(51) H02J 3/38	(00) Change of owner(s) name
D04H 1/4209	H02M 1/44	(71) ROCKWOOL A/S
D04H 1/64	H02M 7/5387	(73) ROCKWOOL A/S
D04H 1/76	(00) Assignment	(11) EP3230217
(00) Change of owner(s) name	(71) Verily Life Sciences LLC	(00) 28.07.2023
(71) THUR S.A.S. DI THUR RESINS SRL	DexCom, Inc.	(51) C03B 3/02
(73) THUR S.A.S. DI THUR RESINS SRL	(73) Verily Life Sciences LLC	C03B 5/12
(11) EP2390683	DexCom, Inc.	C03B 5/235
(00) 31.07.2023	(11) EP3496612	F23C 1/04
(51) G01V 1/48	(00) 01.08.2023	F23C 3/00
(00) Change of owner(s) name	(51) A61B 5/145	F23C 6/04
(71) ROCKWOOL A/S	A61B 5/1486	F23L 7/00
(73) ROCKWOOL A/S	(00) Assignment	F27B 1/20
(11) EP2234472	(71) JUMIO CORPORATION	F27B 15/00
(00) 28.07.2023	(73) JUMIO CORPORATION	F27B 15/10
(51) A01G 31/00	(11) EP2883189	F27D 7/06
(00) Change of owner(s) name	(00) 09.08.2023	(00) Change of owner(s) name
(71) THUR S.A.S. DI THUR RESINS SRL	(51) G06K 9/00	(71) ROCKWOOL A/S
(73) THUR S.A.S. DI THUR RESINS SRL	(00) Assignment	(73) ROCKWOOL A/S
(11) EP2577359	(71) FUJIAN AKEYLINK BIOTECHNOLOGY	(11) EP3601691
(00) 28.07.2023	CO., LTD.	(00) 28.07.2023
(51) G01V 1/48	(73) FUJIAN AKEYLINK BIOTECHNOLOGY	(51) E04B 2/70
(00) Change of owner(s) name	CO., LTD.	E04B 2/74
(71) ROCKWOOL A/S	(11) EP3572412	E04B 2/80
(73) ROCKWOOL A/S	(00) 31.07.2023	E04C 3/36
(11) EP2793556	(51) A61K 31/41	(00) Change of owner(s) name
(00) 28.07.2023	A61P 25/00	(71) Haermonics B.V.
(51) A01G 24/18	C07D 401/14	(73) Haermonics B.V.
(00) Change of owner(s) name	(00) Assignment	(11) EP3079738
(71) Clariant International Ltd	(71) FUJIAN AKEYLINK BIOTECHNOLOGY	(00) 02.08.2023
(73) Clariant International Ltd	CO., LTD.	(51) A61M 1/00
(11) EP2403818	(73) FUJIAN AKEYLINK BIOTECHNOLOGY	A61M 3/02
(00) 01.08.2023	CO., LTD.	(00) Assignment
(51) C07C 29/128	(11) EP3587420	(71) Karyopharm Therapeutics Inc.
C07C 29/132	(00) 31.07.2023	(73) Karyopharm Therapeutics Inc.
C07C 31/02	(51) A61K 31/33	(11) 301119
C07C 31/18	A61K 31/395	(00) 07.08.2023
C07C 31/20	A61K 31/40	(00) Change of owner(s) name
(00) Assignment	A61P 1/16	(71) ROCKWOOL A/S
(71) HTL-DHT B.V.	C07D 487/00	(73) ROCKWOOL A/S
(73) HTL-DHT B.V.	C07D 513/04	(11) EP3455425
(11) EP3075267	(00) Assignment	(00) 28.07.2023
(00) 28.07.2023	(71) ROCKWOOL A/S	(51) E04B 1/74
(51) A24B 3/14	(73) ROCKWOOL A/S	E04B 1/76
(00) Change of owner(s) name	(11) EP2793555	E04B 1/82
(71) GODO KAISHA IP BRIDGE 1	(00) 28.07.2023	E04B 1/88
(73) GODO KAISHA IP BRIDGE 1	(51) A01G 24/18	(00) Change of owner(s) name
(11) EP3270279	A01G 24/46	(71) Packaging Acquisitions I, LLC
(00) 09.08.2023	(00) Change of owner(s) name	(73) Packaging Acquisitions I, LLC

(11) EP3433426	A61P 27/02	(00) Change of owner(s) name
(00) 09.08.2023	(00) Merge	(71) ROCKWOOL A/S
(51) D21H 19/72	(71) Oculis Operations Sàrl	(73) ROCKWOOL A/S
D21H 19/74	(73) Oculis Operations Sàrl	(11) EP3122952
D21H 27/02	(11) EP3548091	(00) 28.07.2023
D21H 27/22	(00) 07.08.2023	(51) E04B 9/16
D21F 11/12	(51) A61K 47/69	(00) Change of owner(s) name
B31F 1/08	A61K 9/10	(71) SMELA GmbH
B31F 1/12	A61K 31/4184	(73) SMELA GmbH
B31F 1/20	A61K 31/573	(11) EP3612752
B31F 1/22	A61K 47/40	(00) 08.08.2023
D21H 25/00	A61P 27/02	(51) F16H 25/20
(00) Assignment	(00) Change of Legal Entity	H02K 7/06
(71) ROCKWOOL A/S	(71) ROCKWOOL A/S	(00) Assignment
(73) ROCKWOOL A/S	(73) ROCKWOOL A/S	
(11) EP3266575	(11) EP3455184	
(00) 28.07.2023	(00) 28.07.2023	
(51) B28B 11/04	(51) C03C 25/10	
E04B 2/16	C03C 25/26	
E04C 1/40	C09J 189/00	
C04B 26/12	D04H 1/64	
C04B 26/32	D04H 3/004	
C04B 28/24	D04H 3/002	
C04B 28/26	E04B 1/74	
C04B 30/02	(00) Change of owner(s) name	
(00) Change of owner(s) name	(71) ROCKWOOL A/S	
(71) ROCKWOOL A/S	(73) ROCKWOOL A/S	
(73) ROCKWOOL A/S	(11) EP3088627	
(11) EP2953446	(00) 28.07.2023	
(00) 28.07.2023	(51) E04B 9/18	
(51) A01G 25/16	(00) Change of owner(s) name	
A01G 31/02	(71) ROCKWOOL A/S	
G01N 33/00	(73) ROCKWOOL A/S	
(00) Change of owner(s) name	(11) EP2760275	
(71) ROCKWOOL A/S	(00) 28.07.2023	
(73) ROCKWOOL A/S	(51) A01G 31/00	
(11) EP3446021	(00) Change of owner(s) name	
(00) 28.07.2023	(71) PAPST LICENSING GmbH & Co. KG	
(51) F16L 59/02	(73) PAPST LICENSING GmbH & Co. KG	
F16L 59/04	(11) EP3424208	
F16L 59/10	(00) 31.07.2023	
F16L 59/08	(51) H04N 5/232	
(00) Change of owner(s) name	H04N 5/225	
(71) ROCKWOOL A/S	G06F 3/0484	
(73) ROCKWOOL A/S	G06F 3/0488	
(11) EP3482002	(00) Assignment	
(00) 28.07.2023	(71) Spexis AG	
(51) E01F 8/00	(73) Spexis AG	
E01F 15/04	(11) EP3463280	
(00) Change of owner(s) name	(00) 07.08.2023	
(71) ROCKWOOL A/S	(51) A61K 38/12	
(73) ROCKWOOL A/S	A61K 9/00	
(11) EP2989265	A61P 43/00	
(00) 28.07.2023	A61P 11/08	
(51) E04B 5/36	A61P 11/00	
E04B 1/90	C07K 7/64	
E04C 2/288	(00) Change of owner(s) name	
(00) Change of owner(s) name	(71) Spexis AG	
(71) Oculis Operations GmbH	(73) Spexis AG	
(73) Oculis Operations Sàrl	(11) EP3463281	
(11) EP3548091	(00) 07.08.2023	
(00) 07.08.2023	(51) A61K 38/12	
(51) A61K 47/69	A61P 43/00	
A61K 9/10	A61P 11/08	
A61K 31/4184	A61K 9/00	
A61K 31/573	A61P 11/00	
A61K 47/40	C07K 7/64	

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.**

(11) EP3755513	(11) EP3244903	(11) EP3518275
(11) EP2699179	(11) EP3400623	(11) EP3556238
(11) EP2980759	(11) EP3284255	(11) EP3375462
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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).