



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

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Introduction

Patent Bulletin

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

Official Journal

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

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Rubriek NP2 Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	20 Heading NP2 Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	20
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	32 Heading NP3 Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	32
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	33 Heading EP1 Contains data concerning translations of the conclusions of European patent applications.	33
Rubriek EP2 Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	34 Heading EP2 Contains data concerning European patents granted for The Netherlands.	34
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Rubriek EP4 Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	215Heading EP4 Contains data concerning European patents granted in amended form for the Netherlands.	215
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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	219Heading SPC Contains data concerning applications for- or granted Supplementary Protection Certificates.	219
Rubriek VB1 Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.	220Heading VB1 Contains data concerning requests and notices of opposition under the General administrative law.	220
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.	221Heading 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.	221
Rubriek MED Bevat gegevens betreffende overige mededelingen.	222Heading MED Contains data concerning other communications.	222
Rubriek VRV Bevat gegevens betreffende verval of nietigverklaring.	224Heading VRV Contains data concerning lapse or annulment.	224
Rubriek VRB Bevat gegevens betreffende verbeteringen op eerdere publicaties.	232Heading VRB Contains data concerning corrections on earlier publications.	232
Rubriek CO Bevat gegevens betreffende wijzigingen in het octrooiregister.	233Heading CO Contains data concerning changes in the Netherland patent register.	233
Rubriek TVH Bevat gegevens betreffende topografieën van halfgeleiderproducten.	236Heading TVH Contains data concerning depots of original topographies of semi-conductor products.	236

Rubriek UP1 Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	237Heading UP1 Contains data concerning European patents with registered Unitary Effect.	237
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Overzicht van Inid codes

INID CODES

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

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

INID CODES

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

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

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

Rubrieken/Headings

NP1

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

(51) A01C 3/06 A01C 15/00 E01C 19/20	Menno Sytsma Johannes Leonardus Ruizendaal (41) 13.06.2023	Ying De Ting Zhang Kejian Lin Weihong Yan Wengui Shi
(21) 2029846 (22) 19.11.2021	(51) A01D 75/20 A01B 79/00	(51) A01G 25/00 A01G 25/02 A01G 25/06 A01G 25/16
(54) Kar voor het opslaan, opvegen en uitstrooien van mest of zand	(21) 2029815 (22) 18.11.2021	(51) A01G 25/00 A01G 25/02 A01G 25/06 A01G 25/16
(71) Dieter Bruckmann Antwin Vloet	(71) Lely Patent N.V. (74) ir. M.J.F.M. Corten	(21) 2029842 (22) 19.11.2021
(74) ir. G.J.M. Verhees (72) Antwin Vloet Dieter Bruckmann	(72) Karel van den Berg Yan Li Esra Neslihan Turk	(54) Drip Irrigation System (71) Rafael Grigorjan (74) mr. ir. J. van Breda c.s.
(41) 13.06.2023	(41) 13.06.2023	(72) Rafael Grigorjan Arsen Mkrtchyan
(51) A01C 21/00 (21) 2029763 (22) 15.11.2021	(51) A01D 84/00 A01D 89/00 (21) 2029754 (22) 15.11.2021	(41) 13.06.2023
(54) ORGANIC CULTIVATION METHOD OF GRAMINEOUS FORAGE GRASS IN ALPINE PASTORAL REGION	(54) A device for carrying out agricultural processing	(51) A01G 25/16 (21) 2029818 (22) 18.11.2021
(71) NORTHWEST INSTITUTE OF PLATEAU BIOLOGY, CHINESE ACADEMY OF SCIENCES	(71) Ploeger Oxbo Europe B.V. (74) ir. A. Blokland c.s. (72) Hendrik Willem Breure Marinus Adriaan Grootjans	(54) WATER-SAVING IRRIGATION METHOD BASED ON CRITICAL MOISTURE INFORMATION OF SOIL-PLANT SYSTEM
(74) ir. M.B. Plaggenborg (72) Leiming Yao Na Zhao Shixiao Xu Huakun Zhou Xiaoling Zhang Xinquan Zhao Linyong Hu Liang Zhao Tianwei Xu Hongjin Liu Xungang Wang	(51) A01G 9/02 A01G 31/06 (21) 2029841 (22) 19.11.2021	(71) QINGDAO AGRICULTURAL UNIVERSITY (74) ir. W.J.J.M. Kempes (72) Yuliang Yuan Jian Zhang Xincheng Li
(51) A01C 23/04 (21) 2029817 (22) 18.11.2021	(54) System comprising a structure for removably attaching one or more holders for plants and the like, and at least one such holder	(41) 13.06.2023
(54) MOVABLE SPRINKLER AND FERTILIZATION DEVICE	(71) Greenwall Solutions B.V. (74) dr. R.C. van Duijvenbode c.s. (72) Johan Lambertus Bobbert Nieme Johannes Leopold Donald Molenaar	(51) A01H 1/04 A01H 1/02 A01H 5/12 A01H 6/00 (21) 2032854 (22) 25.08.2022
(71) FARMLAND IRRIGATION RESEARCH INSTITUTE	(41) 13.06.2023	(54) ARTIFICIAL CROSSBREEDING METHOD FOR TEA PLANTS
(74) ir. W.J.J.M. Kempes (72) Yanhui Jia Jinshan Li Hao Sun Fuyi Duan	(51) A01G 9/029 A01C 1/04 (21) 2029774 (22) 16.11.2021	(71) Hunan Tea Research Institute (74) dr. T. Wittop Koning PhD (72) Saijun Li Yu Lei Yingyu Chen Jihua Duan Yankai Kang Feiyi Huang Yi Luo Ding Ding Lijuan Dong
(41) 13.06.2023	(54) BIODEGRADABLE WOVEN SHEET FOR CULTIVATION OF PLANT SEEDLINGS	(41) 09.06.2023
(51) A01D 45/00 A01D 46/30 A01G 3/00	(71) EVERHARD CONSULTING B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Lucas Everhardus Maria Langezaal	(51) A01H 4/00 A01H 5/08 A01H 6/74 C12N 15/82 (21) 2033006 (22) 12.09.2022
(21) 2029856 (22) 22.11.2021	(41) 12.06.2023	
(54) Flower Cutting Device	(51) A01G 22/20 A01C 21/00 (21) 2034717 (22) 28.04.2023	
(71) Stichting Wageningen Research (74) dr. R.C. van Duijvenbode c.s. (72) Johannis Anthonie Vroegop	(54) HIGH-YIELD CULTIVATION METHOD FOR OAT FORAGE (71) Institute of Grassland Research of CAAS (74) ir. W.J.J.M. Kempes (72) Qingsong Tian	

- (54) HIGH-FREQUENCY REGENERATION METHOD OF FRAGARIA ANANASSA IN VITRO LEAVES AND APPLICATION METHOD THEREOF IN GENETIC TRANSFORMATION
(71) Sichuan Agricultural University
(74) ir. W.J.J.M. Kempes
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Yiping Wang
Yongqiang Liu
Shiqiong Xu
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Xiaolong Li
Jiale Li
(31) 202111347332.3
(32) 15.11.2021
(33) China
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- (51) A01H 5/08
A01H 6/00
A01H 1/02
(21) 2032979
(22) 07.09.2022
(54) A method of improving the fruit traits of Macadamia variety 695
(71) Guangdong ECO-Engineering Polytechnic
(74) dr. T. Wittop Koning PhD
(72) Guifang Yang
Rendi Mai
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Fangqiu Zhang
Hui Li
Yao Liu
Xiaoshan Zeng
Jinyun Zhang
Guang Yang
Nan He
Weifeng Jiang
Jie Song
(41) 09.06.2023
(31) 202210555948.8
(32) 19.05.2022
(33) China
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- (51) A01K 63/00
A01K 63/04
(21) 2029700
(22) 10.11.2021
(54) DEVICE AND METHOD FOR REMOVING SEWAGE AND PREVENTING ESCAPE OF LIVE SHRIMPS FROM RECIRCULATING AQUACULTURE SYSTEM
(71) INSTITUTE OF OCEANOLOGY, CHINESE ACADEMY OF SCIENCES
(74) ir. W.J.J.M. Kempes
(72) Tianlong Qiu
Li Zhou
Jianming Sun
Bin Wu
Yishuai Du
(41) 08.06.2023
-
- (51) A01K 63/04
(21) 2029701
(22) 10.11.2021
- (54) GAP-ADJUSTABLE TURNTABLE-SHAPED BOTTOM SEWAGE DISCHARGE DEVICE FOR SHRIMP POND
(71) INSTITUTE OF OCEANOLOGY, CHINESE ACADEMY OF SCIENCES
(74) ir. W.J.J.M. Kempes
(72) Jianming Sun
Bin Wu
Li Zhou
Tianlong Qiu
Yishuai Du
Fudi Chen
(41) 08.06.2023
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- (51) A01K 67/02
A23K 10/12
A23K 10/18
A23K 50/10
(21) 2029759
(22) 15.11.2021
(54) SUPPLEMENTARY FEEDING FEED FOR YAKS AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF
(71) NORTHWEST INSTITUTE OF PLATEAU BIOLOGY, CHINESE ACADEMY OF SCIENCES
(74) ir. M.B. Plaggenborg
(72) Na Zhao
Xiaoling Zhang
Shixiao Xu
Xinquan Zhao
Linyong Hu
Liang Zhao
Huakun Zhou
Tianwei Xu
Hongjin Liu
Xungang Wang
Zhen Ma
Jiyun Li
Yanfang Deng
Gaowa Saren
(51) A01K 67/033
(21) 2029812
(22) 18.11.2021
(54) System and method for generating insect eggs
(71) SmartCrops B.V.
(74) ir. J.C. Volmer c.s.
(72) Jesse Turkstra
Seppe Paul Salari
-
- (51) A01N 25/08
A01P 7/04
A01N 63/30
A01N 47/38
A01N 43/56
A01N 43/82
A01N 51/00
A01N 43/36
A01N 43/22
A01N 47/40
A01N 43/52
A01N 37/46
A01N 47/34
A01N 43/90
(21) 2029714
(22) 11.11.2021
(54) INSECTICIDE COMPOSITION
- (71) In2Care Holding B.V.
(74) ir. A.R. Aalbers
(72) Tim Wim Ruud Möhlmann
Anne Jurjen Osinga
Marit Farenhorst
-
- (51) A01P 5/00
A01N 25/32
A01P 7/04
A01N 37/18
A01N 43/16
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(22) 11.11.2021
(54) INSECTICIDE CONTAINING CAPSAICIN
(71) ZHEJIANG ACADEMY OF AGRICULTURAL SCIENCES
(74) ir. M.B. Plaggenborg
(72) Guozhi Zhou
Zhuping Yao
Hongjian Wan
Meiyong Ruan
Rongqing Wang
Yuan Cheng
Qingjing Ye
Cheng'an Gao
(41) 08.06.2023
-
- (51) A21D 8/04
C12N 1/20
(21) 2029751
(22) 15.11.2021
(54) Werkwijze voor het vervaardigen van een brooddeeg alsmede van een broodproduct, in het bijzonder een desembrood
(71) SPP Holding B.V.
(74) drs. A.A. Jilderda
(72) Marcel Spelt
(41) 09.06.2023
-
- (51) A23F 5/14
A23F 5/24
(21) 2029740
(22) 12.11.2021
(54) A consumable roasted coffee bean, a coffee bean producing method, and methods for preparing coffee
(71) M.R. Investments Holding B.V.
(74) ir. M. van der Velden
(72) Maik Riksen
-
- (51) A23K 10/12
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A23K 50/10
A23K 20/26
A23K 20/189
(21) 2029764
(22) 15.11.2021
(54) TIBET SHEEP LACTATION EWE FEED AND PREPARATION METHOD THEREOF
(71) NORTHWEST INSTITUTE OF PLATEAU BIOLOGY, CHINESE ACADEMY OF SCIENCES
(74) ir. M.B. Plaggenborg
(72) Xiaoling Zhang
Na Zhao
Shixiao Xu
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Hongjin Liu
Linyong Hu

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Huakun Zhou	Gaowa Saren	(21) 2029802
Tianwei Xu	Liang Zhao	(22) 17.11.2021
Xungang Wang	Huakun Zhou	(54) DEVICE FOR ADJUSTING LENGTH OF
(41) 09.06.2023	Xungang Wang	TABLE LEG
(51) A23K 10/30	Na Zhao	(71) TAISHAN UNIVERSITY
(21) 2029761	Shixiao Xu	(74) ir. M.B. Plaggenborg
(22) 15.11.2021	Xinquan Zhao	(72) Hongsheng Chen
(54) METHOD FOR PREPARING HIGHLAND	Linyong Hu	(41) 12.06.2023
BARLEY FEED	Tianwei Xu	(51) A47C 3/20
(71) NORTHWEST INSTITUTE OF PLATEAU	Hongjin Liu	A43D 1/02
BIOLOGY, CHINESE ACADEMY OF	Zhen Ma	(21) 2031037
SCIENCES	Jiyun Li	(22) 22.02.2022
(74) ir. M.B. Plaggenborg	Yanfang Deng	(54) INRICHTING VOOR HET
(72) Liang Zhao	(41) 09.06.2023	ERGONOMISCH AANMETEN VAN
Xiaoling Zhang	(51) A23L 29/30	SCHOEISEL
Na Zhao	A23L 7/104	(71) JB HOLDING B.V.
Huakun Zhou	A23L 29/00	(74) drs. C.H. Mink-Lindenburg
Tianwei Xu	(21) 2029748	(72) Jan Beltman
Linyong Hu	(22) 15.11.2021	Eric ten Cate
Shixiao Xu	(54) LIQUID STARTER CULTURE OF	(41) 12.06.2023
Xinquan Zhao	CHINESE STEAMED BUNS AND	(31) 2029804
Hongjin Liu	PRODUCTION PROCESS THEREOF	(32) 17.11.2021
Xungang Wang	(71) SHANXI JINYI KANGDA FOOD CO.,	(33) Netherlands
(41) 09.06.2023	LTD.	(51) A47J 31/053
(51) A23K 10/30	(74) ir. W.J.J.M. Kempes	(21) 2029845
A23K 20/10	(72) Yu Cao	(22) 19.11.2021
A23K 20/174	Na Wang	(54) A hot coffee brewing apparatus
A23K 20/20	Jie Gao	(71) Bravilor Bonamat B.V.
A23K 20/22	Xinghua Wang	(74) mr. ir. J. van Breda c.s.
A23K 20/26	(41) 09.06.2023	(72) Jelle Haantjes
A23K 40/10	(51) A23N 15/06	Jan Ansing
A23K 50/10	A23N 7/08	Margriet de Graaf
(21) 2029762	(21) 2034699	Gerardus Cornelis Jozef de Groot
(22) 15.11.2021	(22) 26.04.2023	(41) 13.06.2023
(54) PELLET FEED FOR SUPPLEMENTARY	(54) ORANGE PEEL CLEANING, DRYING	(51) A61B 17/132
FEEDING YAKS AFTER GRAZING AND	AND CRUSHING PRODUCTION LINE	(21) 2029784
PREPARATION METHOD THEREOF	(71) Hangzhou Vocational & Technical	(22) 17.11.2021
(71) NORTHWEST INSTITUTE OF PLATEAU	College	(54) Tourniquet and first aid kit comprising a
BIOLOGY, CHINESE ACADEMY OF	(74) drs. C.M.A. Quintelier	tourniquet
SCIENCES	(72) Minyu Zhi	(71) First15 B.V.
(74) ir. M.B. Plaggenborg	Ying Liu	(74) dr. R.C. van Duijvenbode c.s.
(72) Tianwei Xu	Rui Wang	(72) Peter Bernard Wouter Hoezen
Xiaoling Zhang	Ping Tang	Ronald van den Heuvel
Xinquan Zhao	Xianjing Hu	Mitchell van der Wilt
Hongjin Liu	Zijun Ye	(51) A61D 19/04
Xungang Wang	Leqin Ke	(21) 2029705
Na Zhao	Da He	(22) 11.11.2021
Shixiao Xu	(51) A41D 13/00	(54) Embryo collection device for collecting
Linyong Hu	(21) 2029707	embryos in the uterine horn of sow or gilt
Liang Zhao	(22) 11.11.2021	(71) Norsvin SA
Huakun Zhou	(54) Sportpak	(74) ir. J.C. Volmer c.s.
(41) 09.06.2023	(71) Liduina Maria Rietveld	(72) Louisa Jane Zak
(51) A23K 10/37	(74) ir. B.J. 't Jong	Bjørn Gulbrandsen
A23K 10/30	(72) Liduina Maria Rietveld	Reina Jochems
A23K 20/142	(51) A43D 1/02	Marianne Oropeza-Moe
A23K 50/10	A47C 3/20	Silje Katrine Nes
A23K 20/26	(21) 2029804	(41) 08.06.2023
(21) 2029760	(22) 17.11.2021	(51) A61G 5/10
(22) 15.11.2021	(54) INRICHTING VOOR HET	A61G 5/02
(54) TOTAL MIXED RATION FOR DRYLOT-	ERGONOMISCH AANMETEN VAN	(21) 2029708
FEEDING YAKS DURING COLD	SCHOEISEL	(22) 11.11.2021
SEASON AND PREPARATION AND	(71) JB Holding B.V.	(54) Duwinrichting voor een rolstoel
FEEDING METHOD THEREOF	(74) drs. C.H. Mink-Lindenburg	(71) SUWEVE B.V.
(71) NORTHWEST INSTITUTE OF PLATEAU	(72) Jan Beltman	(74) ir. A. Blokland c.s.
BIOLOGY, CHINESE ACADEMY OF	Eric ten Cate	(72) Eveline Elisabeth van de Hoef-Laurey
SCIENCES	(41) 12.06.2023	Suzanne Laurey
(74) ir. M.B. Plaggenborg		

- Wouter Wilmar Mattan Witterman
(41) 08.06.2023
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- (51) A61K 47/69
(21) 2034543
(22) 11.04.2023
(54) ADHESIVE F127-CHITOSAN TEMPERATURE-SENSITIVE HYDROGEL AND PREPARATION METHOD THEREOF
(71) NANJING YOUJIEJING BIOTECHNOLOGY CO., LTD.
(74) drs. C.M.A. Quintelier
(72) Yan Ren
Yiran Chen
Jie Chen
(31) 202211573316.0
(32) 08.12.2022
(33) China
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- (51) A61P 9/00
A61K 36/896
A61K 36/268
A61K 31/045
A61K 36/73
A61K 36/258
A61K 36/076
A61K 35/10
(21) 2029801
(22) 17.11.2021
(54) METHOD FOR PREPARING JIEXIANG DINGTONG CAPSULE FOR TREATING CORONARY HEART DISEASE
(71) TIAN SHUI SHI ZHONG YI YI YUAN
(74) ir. M.B. Plaggenborg
(72) Huijuan Liu
Baoguo Cao
Jianwen Ge
(41) 12.06.2023
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- (51) A61P 17/18
A61K 36/324
A61K 36/328
A61K 36/708
A61K 36/718
A61K 36/756
(21) 2029794
(22) 17.11.2021
(54) APPLICATION OF THREE YELLOWS AND TWO FRAGRANCES POWDER IN THE PREPARATION OF DRUGS FOR PREVENTING AND TREATING UV DAMAGE, EXTRACT OF THREE YELLOWS AND TWO FRAGRANCES POWDER AND CREAM FOR PREVENTING AND TREATING UV DAMAGE
(71) Qinghai University
(74) ir. M.B. Plaggenborg
(72) Guiqin Liu
Xiangyang Li
Yabin Duan
Wenqi Gu
Qian Wang
Yafeng Wang
Jianxin Yang
Ning Qu
Yongbiao Zheng
Linli La
Delong Duo
Hailin Li
- Xiaodong Su
Junbo Zhu
Xue Bai
Yang Zhou
(41) 12.06.2023
-
- (51) B01D 15/20
B01D 15/22
G01N 30/60
(21) 2033558
(22) 18.11.2022
(54) DYNAMIC AXIAL COMPRESSION SYSTEM
(71) Jiangsu Hanbon Science & Technology Co., Ltd
(74) drs. C.M.A. Quintelier
(72) Shoubo Ding
Xianglin Wang
Zhong Yan
Jie Liu
Ting Xu
(31) 202111398379.2
(32) 19.11.2021
(33) China
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- (51) B01D 19/00
C02F 1/20
F24D 19/08
(21) 2029857
(22) 22.11.2021
(54) Low pressure degassing device
(71) Flamco B.V.
(74) ir. J.C. Volmer c.s.
(72) Jan Henk Cnossen
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- (51) B01D 50/00
B01D 47/06
(21) 2029829
(22) 19.11.2021
(54) FOG AND HAZE REMOVAL DEVICE AND METHOD
(71) HENAN INSTITUTE OF METROLOGY
(74) ir. W.J.J.M. Kempes
(72) Xiaoquan Sun
Guangjun Wang
Xiaowei Wang
Shusheng Wang
Junchen Zou
Changzheng Ma
(41) 13.06.2023
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- (51) B01D 61/14
B01D 65/02
C02F 1/44
E03B 3/02
(21) 2029718
(22) 11.11.2021
(54) Water treatment system and water treatment method
(71) D2D Water Solutions B.V.
(74) ir. H.A. Witmans c.s.
(72) Ton van Hecke
(41) 08.06.2023
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- (51) B01F 23/236
B01F 23/231
B01F 23/2361
B01F 33/501
B01F 35/00
B01F 35/71
(21) 2029734
(22) 12.11.2021
- (54) Aerator
(71) Airtender Works B.V.
(74) ir. H.A. Witmans c.s.
(72) Robert Franciscus van der Hulst
Dalibor Borjanin
Rui Medeiros Santos
(41) 08.06.2023
-
- (51) B01J 13/00
C08G 83/00
(21) 2029771
(22) 16.11.2021
(54) COMPOSITE DEFECT TYPE METAL ORGANIC FRAMEWORK GEL PROTON CONDUCTION MATERIAL AND PREPARATION METHOD THEREOF
(71) HARBIN NORMAL UNIVERSITY
(74) ir. W.J.J.M. Kempes
(72) Feng Zhang
Jiyu Tang
Lei Zhou
(41) 09.06.2023
-
- (51) B01J 29/85
C07C 1/20
(21) 2030674
(22) 24.01.2022
(54) IRON-LOADED FUNCTIONALIZED SAPO-34 MOLECULAR SIEVE AND PREPARATION METHOD AND APPLICATION THEREOF
(71) Qingdao University of Science and Technology
Frontier Institute of Nano and Micro Science (Qingdao) Co., Ltd.
(74) ir. M.B. Plaggenborg
(72) Yunmei Du
Shouhua Feng
Lei Wang
Tiantian Ye
Bin Li
Zhenyu Xiao
(31) 202111363749.9
(32) 17.11.2021
(33) China
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- (51) B09C 1/10
C09K 17/04
A01G 9/02
(21) 2033491
(22) 09.11.2022
(54) DEVICE AND METHOD FOR REMEDIATION OF HEAVY METALS IN CULTIVATED LAND SOIL BY STRENGTHENING SEDUM PLUMBIZINCICOLA WITH BIOCHAR COMBINED WITH MICROORGANISM
(71) Guizhou University
Guizhou Institute of Biology
(74) dr. T. Wittop Koning PhD
(72) Jiachun Zhang
Wenmin Luo
Yingying Liu
Guiting Mu
Zhenming Zhang
Xianliang Wu
Daigang Xu
(31) 202111340583.9
(32) 12.11.2021
(33) China
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- (51) B23Q 7/14

B23Q 37/00 B23Q 1/00 B23K 37/04 (21) 2029832 (22) 19.11.2021 (54) Workpiece holding device exchange system (71) AWL-Techniek B.V. (74) ir. H.A. Witmans c.s. (72) Evert Meindert Kuiper Ricardo de Wilde (41) 13.06.2023	(54) Bead separator, bead supply station and a method for separating a single bead from a bead supply unit holding a plurality of beads (71) VMI Holland B.V. (74) ir. F.A. Geurts c.s. (72) Willem Marinus van Beek Timen Anton van Werven Robin Nusselder (41) 12.06.2023	Francis van der Sluis (51) B60N 2/34 (21) 2029709 (22) 11.11.2021 (54) Slaapbank voor een voertuig (71) Automotive Fryslân B.V. (74) ir. B.J. 't Jong (72) Anne Willem Huidekoper
(51) B24B 1/04 B23F 17/00 (21) 2031750 (22) 01.05.2022 (54) ULTRASONIC VIBRATION-ASSISTED GRINDING DEVICE FOR GEARS AND OPERATION PROCESS THEREOF (71) Nanjing University of Aeronautics and Astronautics (74) ir. M.B. Plaggenborg (72) Jihua Xu Honghua Su Yucan Fu Junshuai Zhao Ning Qian Biao Zhao Wenfeng Ding Bangfu Wu Jingfei Yin (31) 202111374987.X (32) 19.11.2021 (33) China	(41) 12.06.2023 (51) B29D 30/00 (21) 2029785 (22) 17.11.2021 (54) Gripper for gripping a spacer, handling assembly comprising said gripper and method for transferring a spacer from a first station to a second station (71) VMI Holland B.V. (74) ir. F.A. Geurts c.s. (72) Willem Marinus van Beek Timen Anton van Werven Robin Nusselder	(51) B60P 3/36 A47B 13/00 (21) 2033490 (22) 09.11.2022 (54) FOLDABLE-INTO-BUNDLE TYPE KITCHEN CABINET STRUCTURE (71) ZHEJIANG HENGFENG TOP LEISURE CO., LTD. (74) ir. H.Th. van den Heuvel c.s. (72) Baoqing Yang Xiaoming Lu Haoran Yang (31) 202122747665.7 (32) 10.11.2021 (33) China
(51) B29C 45/18 G01G 13/24 B65G 65/42 (21) 2029716 (22) 11.11.2021 (54) VERBETERDE DOSEERINRICHTING VOOR EEN VORMMACHINE VOOR HET DOSEREN VAN EEN EERSTE GRANULAIR MATERIAAL AAN HET TWEDE GRANULAIR MATERIAAL (71) FERLIN TRADING B.V. (74) drs. C.H. Mink-Lindenburch (72) Mathijs Egbert Fix Herman Dirk Jan Wennemars Frank Wiebe Goodijk	(51) B29D 30/00 F16P 3/10 G01M 17/02 (21) 2029797 (22) 17.11.2021 (54) Tire building machine and method for inspecting a tire component produced in said tire building machine (71) VMI Holland B.V. (74) ir. F.A. Geurts c.s. (72) Willem Marinus van Beek (41) 12.06.2023	(51) B60R 3/00 B60D 1/66 B60R 9/06 (21) 2029855 (22) 22.11.2021 (54) A truck front platform assembly (71) DAF Trucks N.V. (74) ir. H.A. Witmans c.s. (72) Petrus Adrianus van Oirschot Hendrikus Johannes Marinus Wullems
(51) B29C 64/227 B29C 64/393 B33Y 30/00 B33Y 50/02 (21) 2031973 (22) 24.05.2022 (54) FIVE-AXIS LINKED 3D PRINTER (71) WUXI YOUTINN WUWEI ADDITIVE TECHNOLOGY CO., LTD. (74) ir. W.J.J.M. Kempes (72) Qian Yu Guodong Xiao (31) 202111362273 .7 (32) 17.11.2021 (33) China	(51) B29D 30/48 (21) 2029796 (22) 17.11.2021 (54) Cutting device and method for cutting a strip and production line for applying an apex to a bead. (71) VMI Holland B.V. (74) ir. F.A. Geurts c.s. (72) Willem Marinus van Beek (51) B32B 17/10 (21) 2029752 (22) 15.11.2021 (54) Automotive window laminate structure, thermoplastic laminated sheet structure for use therein, and method for producing said automotive window laminate structure via heat pressure laminating process (71) Autoglas D & K B.V. (74) ir. H.Th. van den Heuvel c.s. (72) Bartholomeus Leonardus Marinus Borcherd Driehuis (41) 09.06.2023	(51) B62K 21/16 B62K 21/22 B62K 21/12 (21) 2033479 (22) 08.11.2022 (54) OPENABLE STEM (71) HSIN LUNG ACCESSORIES CO., LTD. (74) ir. J.H. de Hoog (72) Xue-Sen Liao (31) 110213284 (32) 10.11.2021 (33) Taiwan, Chinese Taipei
(51) B29D 30/00 (21) 2029786 (22) 17.11.2021	(51) B60K 6/442 B60K 6/387 B60K 6/543 (21) 2029821 (22) 18.11.2021 (54) HYBRID POWERTRAIN FOR A MOTOR VEHICLE (71) Robert Bosch GmbH (74) ir. G.A.J.M. Plevier (72) Carlos Barbosa	(51) B63B 21/58 B63B 35/68 (21) 1044209 (22) 11.11.2021 (54) Winch system for tug, comprising circular rails for carrying a heavy movable cable winch unit, the circular rails having substantially different radii w.r.t. their common center (71) Dr. Ir. Markus van der Laan M.L.A. Beheer B.V. (72) Dr. Ir. Markus van der Laan (41) 08.06.2023 (51) B63B 59/08 (21) 2029791 (22) 17.11.2021 (54) THREE-DEGREE-OF-FREEDOM HIGH-FLEXIBILITY WORKING DEVICE FOR UNDERWATER WALL SURFACE CLEANING ROBOT (71) ShanDong JiaoTong University (74) ir. M.B. Plaggenborg

(72) Baoping Wang Yongjuan Wang Zhiguang Guan Lin Zhang	(71) The Boeing Company (74) dr. ir. G.J.C. Verdijck c.s. (72) Patrick B. Stone Matthew B. Moore	(41) 13.06.2023 <hr/> (51) C02F 1/469 C02F 11/121 (21) 2034758 (22) 12.10.2021
(41) 12.06.2023	(41) 13.06.2023	(21) 2034758 (22) 12.10.2021
(51) B63H 21/17 B63H 23/24 H02K 5/128 H02K 21/24	(51) B64F 5/10 B29C 70/54 B21J 15/14	(54) PROCESS TO TREAT FRESH MANURE (62) 2032295 (27.06.2022) 2029389 (12.10.2021)
(21) 2032766 (22) 16.08.2022	(21) 2029838 (22) 19.11.2021	(71) MEZT B.V. (74) ir. M. Cramwinckel
(54) DEEP-SEA MAGNETIC COUPLING ISOLATION OIL COMPENSATION PROPULSION DEVICE	(54) METHODS AND SYSTEMS FOR MANUFACTURING A STRUCTURE	(72) Adriaan Hendrik Liefjinck Edward Kenneth Sibeijn Niels van Linden
(71) National Deep Sea Center (74) ir. M.B. Plaggenborg (72) Peng Shen	(71) The Boeing Company (74) dr. ir. G.J.C. Verdijck c.s. (72) Matthew B. Moore Patrick B. Stone	(31) 2028408 2027725 2027254 2026656
(72) Peng Shen Lei Yang Kun Liu Shengya Zhao Yugang Ren Baohua Liu	(41) 13.06.2023	(32) 08.06.2021 09.03.2021 31.12.2020 12.10.2020
(31) 202111326604 .1 (32) 10.11.2021 (33) China	(51) B64F 5/50 (21) 2029839 (22) 19.11.2021	(33) Netherlands Netherlands Netherlands Netherlands
(51) B64F 5/10 B21J 15/14 B23Q 3/06 B23Q 11/00 B23Q 17/09 F16F 15/027	(54) METHOD AND SYSTEM FOR TRANSPORTING A WORKPIECE IN A MANUFACTURING ENVIRONMENT	(31) Netherlands Netherlands Netherlands
(21) 2029836 (22) 19.11.2021	(71) The Boeing Company (74) dr. ir. G.J.C. Verdijck c.s. (72) Patrick B. Stone Matthew B. Moore	(51) C02F 3/30 C02F 1/44 (21) 2033537 (22) 15.11.2022
(54) SYSTEM AND METHOD FOR DAMPING MACHINE-INDUCED VIBRATIONS IN A WORKPIECE	(41) 13.06.2023	(54) Membrane bioreactor, method of operating a membrane bioreactor, and use of a membrane bioreactor
(71) The Boeing Company (74) dr. ir. G.J.C. Verdijck c.s. (72) Matthew B. Moore Patrick B. Stone	(51) B64F 5/50 (21) 2029840 (22) 19.11.2021	(71) Robert Martinus van Opdorp (74) dr. mr. ir. D.B. van Dam (72) Robert Martinus van Opdorp (31) 21000325.7 (32) 15.11.2021 (33) European Patent Office (EPO)
(51) B64F 5/10 B21J 15/14 B29C 70/54	(41) 13.06.2023	(51) C03C 17/25 C03C 23/00 (21) 2029781 (22) 17.11.2021
(21) 2029835 (22) 19.11.2021	(51) B65D 25/02 B65D 81/18 G01N 1/04	(54) METHOD FOR PREPARING MICROSTRUCTURE ON SURFACE OF GLASS BY TITANIUM OXIDE NANOPARTICLE-ASSISTED INFRARED NANOSECOND LASER
(54) SYSTEM AND METHOD FOR POST- CURE PROCESSING OF COMPOSITE WORKPIECE	(21) 2034714 (22) 27.04.2023	(71) SHANDONG UNIVERSITY (74) ir. W.J.J.M. Kempes (72) Yukui Cai Zhanqiang Liu Xichun Luo Yiping Tang Yi Wan Qinghua Song Bing Wang
(71) The Boeing Company (74) dr. ir. G.J.C. Verdijck c.s. (72) Patrick B. Stone Matthew B. Moore	(54) A SOIL SAMPLE STORAGE DEVICE FOR GEOLOGICAL EXPLORATION	(41) 12.06.2023
(41) 13.06.2023	(71) Inner Mongolia University of Technology (74) ir. M.B. Plaggenborg (72) Wentian Mi Xueyuan Qi Zifu Hu Fuhua Shang	(51) C05B 9/00 (21) 2031501 (22) 05.04.2022
(51) B64F 5/10 B23P 21/00 B23Q 3/06 B23Q 3/16 B25B 5/06 B25B 5/08 B25B 5/10 B25B 5/12 B25B 5/14 B64F 5/50	(31) 202310052863.2 (32) 03.02.2023 (33) China	(54) Preparation method of high - efficiency magnesium polyphosphate fertilizer (71) Hongwei Tan (74) dr. T. Wittop Koning PhD (72) Hongwei Tan Guichuan Wang (31) 202111390879.1 (32) 23.11.2021
(21) 2029834 (22) 19.11.2021	(51) B65G 17/40 (21) 2029847 (22) 19.11.2021	
(54) SYSTEM AND METHOD FOR HANDLING COMPOSITE WORKPIECE IN WORK CELL	(54) Modular conveyor belt, conveyor belt module, method of manufacturing a conveyor belt module, and use of a material to manufacture a conveyor belt module	
	(71) Rexnord FlatTop Europe B.V. (74) ir. H.A. Witmans c.s. (72) Cornelis Hendrik Mijndert Menke Andrea Andreoli	

- (33) China
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- (51) C05F 17/00
C05G 3/80
(21) 2029852
(22) 22.11.2021
(54) WASTE CLAY-BASED ORGANIC FERTILIZER, PREPARATION METHOD AND APPLICATION THEREOF
(71) INSTITUTE OF SOIL, FERTILIZER, RESOURCES AND ENVIRONMENT, JIANGXI ACADEMY OF AGRICULTURAL SCIENCES
(74) ir. W.J.J.M. Kempes
(72) Chunrui Peng
Shaoxian Wang
Xianjiao Guan
Xiaoying Qiu
Caifei Qiu
Jin Chen
Xia Chen
Caihong Shao
Yinfei Qian
Xianmao Chen
(41) 13.06.2023
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- (51) C08K 5/098
C08K 5/58
C08K 5/10
C08K 9/04
C08L 27/06
(21) 2029765
(22) 16.11.2021
(54) SYNERGISTIC HEAT STABILIZER AND USE THEREOF IN IMPROVING THERMAL STABILITY OF PVC
(71) Anhui University of Science and Technology
(74) drs. P.A. van Essen c.s.
(72) Xiang Zhang
Yiheng Lu
Zonglin Chen
Bing Wang
Longjuan Ma
Yan Chen
(41) 09.06.2023
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- (51) C09D 5/02
C09D 105/00
C09D 7/45
C09D 7/60
C09B 67/00
C09D 17/00
(21) 2029851
(22) 21.11.2021
(54) Dry powder paint composition and method for producing a dry powder paint
(71) Earthyhome Holding B.V.
(74) ir. H.Th. van den Heuvel c.s.
(72) Patricia Antoinette Petronella Geelen
Margo Maria Catharina Hendriks
Jacques Willem Frederik van der Schaaf
(51) C09K 17/40
C09K 17/04
C09K 17/06
A01B 79/02
(21) 2033429
(22) 31.10.2022
(54) METHOD FOR IMPROVING SOIL POROSITY
(71) Zunyi Normal University
- (74) ir. M.B. Plaggenborg
(72) Xiong Yan
Bailian Xiong
Xing Jin
Huazhang Li
Wenzhao Li
Leilei Fan
(31) 202111357199.X
(32) 16.11.2021
(33) China
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- (51) C12H 1/07
B01D 61/36
B01D 69/12
B01D 67/00
B01D 15/08
(21) 2029772
(22) 16.11.2021
(54) BIFUNCTIONAL COMPOSITE MEMBRANE AND PREPARATION METHOD AND USE THEREOF, AND METHOD FOR REMOVING PLASTICIZER IN LIQUOR
(71) BEIJING TECHNOLOGY AND BUSINESS UNIVERSITY
(74) ir. W.J.J.M. Kempes
(72) Jihong Wu
Mingquan Huang
Hong Ye
Baoguo Sun
Fuping Zheng
Yuyu Zhang
Jinyuan Sun
Xiaotao Sun
Hehe Li
Bingyu Zhao
Jingyi Du
Chaowei Huo
(41) 12.06.2023
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- (51) C12N 1/20
A23B 4/00
A23B 4/12
A23L 13/00
(21) 2033420
(22) 29.10.2022
(54) LACTOBACILLUS PLANTARUM SL1 AND FERMENTATION METHOD THEREOF
(71) Northeast Agricultural University
(74) dr. T. Wittop Koning PhD
(72) Yuanyongju Cui
Ran Tao
Fangda Sun
Yangyang Feng
Baohua Kong
Qian Liu
Xin Li
(41) 09.06.2023
(31) 202210449830.7
(32) 27.04.2022
(33) China
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- (51) C12N 11/04
C12N 11/084
C12N 11/10
C09K 8/524
(21) 2034559
(22) 12.04.2023
- (54) Water-Soluble Natural Wax Dissolving Agent and Preparation Method and Application thereof
(71) Southwest Petroleum University
(74) drs. C.M.A. Quintelier
(72) Shuliang Wang
Lujian Zhou
Chunyan Fu
Xiaoyan Zhang
Yongbing Liu
(31) 202210510298.5
(32) 11.05.2022
(33) China
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- (51) C12Q 1/68
(21) 2029858
(22) 22.11.2021
(54) Detection of a biomolecular process
(71) LUMICKS DSM Holding B.V.
(74) ir. A.R. Aalbers
(72) Marco Simonetta
Rosalie Paula Catharina Driessen
(41) 13.06.2023
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- (51) C12Q 1/6806
(21) 2029859
(22) 22.11.2021
(54) Method to produce DNA molecules with repeating units for use in single-molecule assays.
(71) LUMICKS DSM Holding B.V.
(74) ir. A.R. Aalbers
(72) Marco Simonetta
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- (51) C12Q 1/6895
(21) 2033088
(22) 20.09.2022
(54) SIMPLE SEQUENCE REPEAT (SSR) MOLECULAR MARKER PRIMERS LINKED WITH YELLOW COTYLEDON GENE BRYC IN CHINESE CABBAGE AND USE THEREOF
(71) Northwest A&F University
(74) ir. M.B. Plaggenborg
(72) Xiaoyuan Liu
Lugang Zhang
Yihua Xue
Junqing Wu
Ninan Zhang
Yuting He
Yaxiu Zhang
Xuefen Zhang
(41) 09.06.2023
(31) 202111346324.7
(32) 15.11.2021
(33) China
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- (51) C25B 9/19
C25B 9/70
C25B 9/05
C25B 9/65
C25B 9/63
C25B 9/015
C25B 1/04
(21) 2029726
(22) 11.11.2021
(54) Improvements in or relating to high-pressure electrolysis device
(71) Hydro-Gen BV
(74) dr. A.V. Huygens
(72) Arie Meerkerk

(51) D21H 19/38	Jiangang Wei	(72) Gerrit Harold Berno van Tongeren
D21H 17/10	(51) E02B 17/00	Bram Muurlink
D21H 19/52	B66C 13/18	(41) 13.06.2023
D21H 21/16	E02D 13/04	(51) E02D 5/48
D21H 17/14	B66C 23/18	E02D 5/54
D21H 17/17	(21) 2029720	F03D 13/25
D21H 17/24	(22) 11.11.2021	(21) 2033457
D21H 17/37	(54) A vessel and a method of inserting a	(22) 03.11.2022
D21H 19/34	monopile into a guide	(54) SMALL-WATERPLANE-AREA TRUSS-
D21H 21/20	(71) IQIP Holding B.V.	TYPE SINGLE PILE FOUNDATION FOR
D21H 27/10	(74) ir. A.R. Aalbers	OFFSHORE WIND POWER
(21) 2033715	(72) Jurgen Arjan Zijlmans	(71) BEIBU GULF UNIVERSITY
(22) 13.12.2022	Alexander Maarten van der Zee	(74) dr. T. Wittop Koning PhD
(54) SUPERHYDROPHOBIC HEAT-	Bram van den Berg	(72) Jiangmao Zhu
RESISTANT PAPER-BASED MATERIAL	Fabian Corijn Bakker	Han Liu
AND A PREPARATION METHOD	Jacob Osnabrugge	Zhenguo Tang
THEREOF	(41) 08.06.2023	Liang Sun
(71) Zhejiang University of Science and	(51) E02B 17/02	Dongbin Yang
Technology	B63B 79/00	Dongsheng Du
(74) dr. T. Wittop Koning PhD	E02B 17/08	Kai Liu
(72) Xiangnan Wu	(21) 2029776	Yan Wang
Daliang Guo	(22) 16.11.2021	Zhanbin Meng
Feiyang Zhang	(54) Jack-up vessel, method for operating a	Dongzhen Wang
Lizheng Sha	jack-up vessel and control system for a	(41) 09.06.2023
Huifang Zhao	jack-up vessel.	(51) E02D 7/18
Jianbin Chen	(71) Itrec B.V.	(21) 2033554
Jun Yang	(74) ir. J.C. Volmer c.s.	(22) 17.11.2022
(41) 09.06.2023	(72) Cornelis Martinus van Veluw	(54) VIBRATION DEVICE AND METHOD
(31) 202111527916.9	Eric Romeijn	FOR INSERTING INTO THE GROUND
(32) 14.12.2021	(41) 12.06.2023	OR REMOVING FROM THE GROUND
(33) China	(51) E02D 3/054	A FOUNDATION ELEMENT WITH
(51) E01C 7/18	E02D 3/12	ELECTRIC MOTOR
(21) 2029828	E02D 5/38	(71) Cape Holland Holding B.V.
(22) 19.11.2021	E02D 5/46	(74) dr. ir. G.J.C. Verdijck c.s.
(54) ASPHALT MIXTURE DESIGN METHOD	E02D 15/04	(72) Hendrik Cejus de Roo
CONSIDERING COMPACTION WORK	C04B 28/00	Laurens de Neef
(71) TONGJI UNIVERSITY	(21) 2033302	(31) 2029799
(74) ir. W.J.J.M. Kempes	(22) 13.10.2022	(32) 17.11.2021
(72) Lijun Sun	(54) CONSTRUCTION METHOD FOR	(33) Netherlands
Liping Liu	REINFORCING MISCELLANEOUS FILL	(51) E02D 7/18
Wei Liu	FOUNDATION THROUGH VIBRATORY	(21) 2033553
Bangwei Wu	PROBE COMPACTION-GROUTING	(22) 17.11.2022
Yining Zhang	METHOD	(54) VIBRATION DEVICE AND METHOD
(41) 13.06.2023	(71) HuangHuai University	FOR INSERTING INTO THE GROUND
(51) E01C 23/088	ZhengZhou University Multi-functional	OR REMOVING FROM THE GROUND
E01C 23/09	Design and Research Academy Co. Ltd.	A FOUNDATION ELEMENT WITH BASE
B28D 1/18	(74) ir. M.B. Plaggenborg	FRAME
B28D 1/28	(72) Tonghe Zhou	(71) Cape Holland Holding B.V.
B24B 7/18	Yuancheng Guo	(74) dr. ir. G.J.C. Verdijck c.s.
E02F 3/18	Jianfei Yan	(72) Hendrik Cejus de Roo
(21) 2029843	Cong Zhou	Laurens de Neef
(22) 19.11.2021	Guangyin Du	(31) 2029798
(54) DEVICE AND METHOD FOR	Songyu Liu	(32) 17.11.2021
PROCESSING A SURFACE	Yan Yang	(33) Netherlands
(71) Art En Reno BVBA	Wei Gao	(51) E02D 15/04
(74) dr. ir. G.J.C. Verdijck c.s.	(31) 202111364095.1	E02D 17/20
(72) Franciscus Andreas Anna Maria Bax	(32) 17.11.2021	E02D 5/74
(41) 13.06.2023	(33) China	(21) 2030784
(51) E01D 22/00	(51) E02D 5/02	(22) 31.01.2022
(21) 2029732	E02D 7/24	(54) RAPID CONSTRUCTION DEVICE
(22) 12.11.2021	E02D 7/26	AND METHOD FOR PRESTRESSED
(54) Prefabricated Prestressed Slab	E02D 19/12	BASALT FIBER ANCHOR ROD
Externally Bonded to Ni-Ti-Nb Memory	(21) 2029814	(71) Wuhan Center, China Geological Survey
Alloy Fiber Wire and Construction	(22) 18.11.2021	(Central South China Innovation Center
Method Thereof	(54) Sheet piling installation for sheet piles	for Geosciences)
(71) Fujian University of Technology	(71) GeoHydron B.V.	(74) dr. T. Wittop Koning PhD
(74) V. Mellet	Muurlink B.V.	(72) Zhenwei Dai
(72) Wei Zhang	(74) ir. F.A. Geurts c.s.	Anle Zhang

Shengtao Zhou	Tingting Bao	(54) METAL RING FOR A DRIVE BELT
Yanjun Zhang	Bo Ding	(71) Robert Bosch GmbH
Jinjun Guo	Yong Zhang	(74) ir. G.A.J.M. Plevier
Zhigang Du	Zheng Li	(72) Bert Pennings
Xiaolin Fu	Changsheng Shi	(51) F16G 13/00
Runqing Ye	Peng Zhang	B65G 17/38
(31) 202111345981.X	Donghui Man	(21) 2029715
(32) 15.11.2021	Yingcan Liu	(22) 11.11.2021
(33) China	Jinghui Ye	(54) STAINLESS STEEL HOLLOW PIN
(51) E04B 1/344	Chuangguo Cao	WATER TREATMENT CHAIN
E04B 1/346	Bin Xu	(71) Anhui Huangshan Hengjiu Chain
(21) 2029746	Lin Lv	Transmission Co., Ltd.
(22) 14.11.2021	(31) CN202211024613.X	(74) ir. M.B. Plaggenborg
(54) WANDELEMENT EN GEBOUW DAT	(32) 25.08.2022	(72) Yibing Chen
EEN DERGELIJK WANDELEMENT	(33) China	Jian Zhou
OMVAT	(51) F03D 80/10	Kefei Zhang
(71) Eddy van der Laan	F21V 5/04	Jian Shao
Vera Selhorst	F21V 21/02	Yi Zhang
(74) ir. M.B. Plaggenborg	(21) 2029811	(51) F24F 8/108
(72) Vera Selhorst	(22) 18.11.2021	F24F 8/22
Eddy van der Laan	(54) Light assembly and tower	F24F 8/80
(51) E04F 19/06	(71) Orga Holding B.V.	(21) 2029767
E06B 1/34	(74) ir. H.A. Witmans c.s.	(22) 16.11.2021
(21) 2029747	(72) Masai Mara de Wit	(54) Vertical air cleaning device
(22) 15.11.2021	Mischa Sjors Groeneveld	(71) Duux Holding B.V.
(54) Gevelskelet voor houtskeletbouw	Edwin Martin de Held	(74) drs. P.A. van Essen c.s.
(71) BOUWGROEP DIJKSTRA DRAISMA	(41) 12.06.2023	(72) Mark Angenent
B.V.	(51) F04B 53/00	(51) G01B 21/02
(74) ir. W.J.J.M. Kempes	F16L 37/00	(21) 2033377
(72) Alex Louw Dillema	(21) 2029756	(22) 23.10.2022
(51) E04G 1/15	(22) 15.11.2021	(54) DISPLACEMENT RESPONSE
E04G 1/30	(54) Portable fitting assembly	MEASURING DEVICE AND
(21) 2029736	(71) B.B.A. Participaties B.V.	MEASURING METHOD UNDER
(22) 12.11.2021	(74) ir. F.A. Geurts c.s.	IMPACT ENVIRONMENT
(54) Assembly comprising a folding ladder	(72) Johannes Bruin	(71) SHENYANG UNIVERSITY OF
and a platform	(41) 09.06.2023	TECHNOLOGY
(71) Lampe Holding B.V.	(51) F16D 3/205	(74) dr. T. Wittop Koning PhD
(74) ir. J.C. Volmer c.s.	(21) 2029721	(72) Zikun Wu
(72) Caspar Bernard Lampe	(22) 11.11.2021	He Han
(51) E21B 17/10	(54) HEAT-INSULATING AND VIBRATION-	Yingli Jin
(21) 2034713	DAMPING SLIDING ROD TYPE	Ziqiang Sun
(22) 27.04.2023	UNIVERSAL COUPLING	Ming Yan
(54) HIGH STRENGTH DRILLING DEVICE	(71) QINGDAO UNIVERSITY OF SCIENCE	Zhongcheng Ba
FOR GEOLOGICAL EXPLORATION	AND TECHNOLOGY	Haichao Liu
(71) Inner Mongolia University of Technology	(74) ir. M.B. Plaggenborg	Yuqi Wang
(74) ir. M.B. Plaggenborg	(72) Fuqin Yang	He Sun
(72) Zifu Hu	Yan Xu	Wei Xu
Wentian Mi	Linlin Sun	(31) 202111391306.0
Xueyuan Qi	(41) 08.06.2023	(32) 23.11.2021
Fuhua Shang	(51) F16F 1/12	(33) China
(31) 202310053080.6	(21) 2029819	(51) G01J 3/02
(32) 03.02.2023	(22) 18.11.2021	G01N 21/25
(33) China	(54) TENSILE SUPPORT APPARATUS	(21) 2029816
(51) E21D 9/12	(71) JIANGXI UNIVERSITY OF SCIENCE	(22) 18.11.2021
(21) 2034720	AND TECHNOLOGY	(54) AGRICULTURAL MULTISPECTRAL
(22) 28.04.2023	CENTRAL SOUTH UNIVERSITY	IMAGING SYSTEM
(54) TOP MUCK DISCHARGE SYSTEM	(74) ir. W.J.J.M. Kempes	(71) FARMLAND IRRIGATION RESEARCH
AND METHOD OF SHAFT FULL-FACE	(72) Bin Guo	INSTITUTE
BORING MACHINE	Junjie Chen	(74) ir. W.J.J.M. Kempes
(71) China Coal No.71 Engineering Company	Qiliang Wang	(72) Yanhui Jia
Limited	Jianping Tan	Xiulu Sun
Hefei Design & Research Institute of	Jun Tang	Jinshan Li
Coal Industry Co., Ltd.	Hao Niu	Yayang Feng
(74) drs. C.M.A. Quintelier	(41) 13.06.2023	(51) G01K 11/24
(72) Guozheng Zhou	(51) F16G 5/16	F23N 5/16
Youli Ni	(21) 2029820	F23J 3/02
Huidong Xu	(22) 18.11.2021	(21) 2033521

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(54) ACOUSTIC PYROMETRY SYSTEM FOR FURNACE SOOT BLOWING
(71) Shaanxi Dainan New Energy Engineering Co., Ltd.
Shanxi Datang International Yungang Thermal Power Co., Ltd.
(74) ir. M.B. Plaggenborg
(72) Hongbin Gu
Jiayu Wang
Zhiqiang Li
Riliang Peng
Rui Zhao
(31) 202111381108.6
(32) 20.11.2021
(33) China
(51) G01N 1/28
E02D 33/00
G01N 3/02
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(21) 2032555
(22) 20.07.2022
(54) Assembled Half-face Pile Test Compaction-Loading Integrated Model Box
(71) Jilin Jianzhu University
(74) dr. T. Wittop Koning PhD
(72) Lina Xu
Chunfeng Zhu
Lei Niu
Ning Liu
Xin Jiang
Wei Tian
Yongmei Qian
Ruozhu Wang
Shuang Sun
Haoyun Deng
(31) 202111359028.0
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(51) G01N 3/12
B65G 47/74
B65G 47/82
G01M 5/00
G01N 35/00
(21) 2032734
(22) 11.08.2022
(54) Comprehensive Test Platform for Material Stress Characteristic Analysis
(71) Jilin Jianzhu University
(74) dr. T. Wittop Koning PhD
(72) Wei Tian
Yujie Jin
Yongmei Qian
Lina Xu
Ruozhu Wang
Wei Guo
Lei Niu
Xin Jiang
(51) G01N 21/3563
G01N 21/359
G01N 33/10
A01H 1/04
A01C 1/00
(21) 2033089
(22) 20.09.2022
(54) METHOD OF EVALUATING QUALITY TRAIT STABILITY OF WHEAT
(71) Crop Research Institute, Sichuan Academy of Agricultural Sciences
(74) ir. M.B. Plaggenborg
(72) Zongjun Pu
Jiangtao Luo
Qingyan Deng
Jianmin Zheng
Hongshen Wan
Shizhao Li
(41) 13.06.2023
(31) 202111367284.4
(32) 18.11.2021
(33) China
(51) G01N 33/18
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(22) 31.10.2022
(54) REAL-TIME WATER QUALITY MONITORING DEVICE OF WATER PURIFIER
(71) Jiangxi Wotai Environmental Protection Technology Co., Ltd.
(74) ir. M.B. Plaggenborg
(72) Xiaoshuai Wang
Xugang Wang
Junfang Jin
(31) 202111326791.3
(32) 10.11.2021
(33) China
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(21) 2032227
(22) 20.06.2022
(54) ONLINE MONITORING METHOD STUDY FOR BATTERY CLUSTER INCONSISTENCY BASED ON EXTERNAL CHARACTERISTICS
(71) Changsha University of Science and Technology
(74) dr. T. Wittop Koning PhD
(72) Xiangyang Xia
Jiahui Yue
Tian Xia
(31) 202111346396.1
(32) 15.11.2021
(33) China
(51) G01S 19/45
G01C 21/16
G01C 21/20
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(22) 12.11.2021
(54) RANGING NAVIGATION METHOD OF DEEP SEA VEHICLE FOR WATER SURFACE MONITORING PLATFORM
(71) National Deep Sea Center
(74) ir. M.B. Plaggenborg
(72) Tongwei Zhang
Xiangxin Wang
(51) G01V 1/28
G01V 1/36
(21) 2029795
(22) 17.11.2021
(54) SEISMIC DATA RECONSTRUCTION METHOD AND DEVICE, COMPUTER READABLE STORAGE MEDIUM AND EQUIPMENT
(71) Institute of Geology and Geophysics, Chinese Academy of Sciences
(74) ir. M.B. Plaggenborg
(72) Guoxu Shu
Liang Huang
Shoudong Huo
Shengqiang Mu
Xuhui Zhou
Jiaru Zou
(41) 12.06.2023
(51) G01V 1/30
(21) 2029807
(22) 17.11.2021
(54) NEW METHOD FOR EFFECTIVELY RECOGNIZING GROUND FISSURE
(71) CHINA UNIVERSITY OF MINING AND TECHNOLOGY, BEIJING
(74) ir. M.B. Plaggenborg
(72) Dong Li
Jiacheng Guo
Suzhen Shi
Jianying Gu
(41) 12.06.2023
(51) G01V 1/36
(21) 2029800
(22) 17.11.2021
(54) METHOD FOR SUPPRESSING ADJACENT SHOT INTERFERENCE, SYSTEM AND COMPUTER READABLE MEDIUM
(71) Institute of Geology and Geophysics, Chinese Academy of Sciences
(74) ir. M.B. Plaggenborg
(72) Shengqiang Mu
Liang Huang
Taikun Shi
Xuhui Zhou
Shoudong Huo
Guoxu Shu
Jiaru Zou
(41) 12.06.2023
(51) G01V 11/00
(21) 2029808
(22) 17.11.2021
(54) METHOD FOR PREDICTING WATER YIELD PROPERTY OF COAL SEAM FLOOR BASED ON MULTI-ATTRIBUTE INVERSION
(71) CHINA UNIVERSITY OF MINING AND TECHNOLOGY, BEIJING
(74) ir. M.B. Plaggenborg
(72) Suzhen Shi
(41) 12.06.2023
(51) G03F 7/20
H05G 2/00
(21) 2033266
(22) 10.10.2022
(54) EUV LIGHT GENERATION APPARATUS, ELECTRONIC DEVICE MANUFACTURING METHOD, AND INSPECTION METHOD
(71) GIGAPHOTON INC.
(74) ir. H.A. Witmans c.s.
(72) Fumio Iwamoto
Yutaka Shiraiishi
(31) 2021-184363
(32) 11.11.2021
(33) Japan
(51) G06F 3/06
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(54) HIGH-PERFORMANCE DATA LAKE SYSTEM AND DATA STORAGE METHOD	Xiangyu Zhao Yanyun Han Kaiyi Wang	(71) E-Gateway Coöperatie U.A. (72) Johannes Anthonius Onland René Kint
(71) Advanced Institute of Big Data Beijing Nanhu Laboratory	Shufeng Wang Zhongqiang Liu	Marko Kristian Kauppinen Dennis de Wit
(74) drs. C.M.A. Quintelier	Feng Yang	Peng Huang
(72) Chenxi Yu	(41) 09.06.2023	(41) 08.06.2023
Wei Chen	(51) G06F 17/11	(51) G06T 15/08
Tao Zhang	G06F 30/20	G06F 17/00
Hao Liu	E02D 3/046	(21) 2033087
Zhiling Chen	(21) 2029770	(22) 20.09.2022
Peng Wang	(22) 16.11.2021	(54) LAKE WATER QUALITY SCALAR FIELD VOLUME RENDERING GENERATION METHOD AND STORAGE MEDIUM THEREOF
Yinlong Liu	(54) METHOD FOR CONTROLLING DYNAMIC COMPACTION PROCESS BY MEASURING COMPACTION SETTLEMENT THEREIN AND METHOD FOR OPTIMUM COMPACTION TIME	(71) Chinese Academy of Surveying & Mapping
Yonggang Tu	(71) GUANGDONG COMMUNICATION PLANNING AND DESIGN INSTITUTE GROUP CO., LTD.	(74) ir. M.B. Plaggenborg
Zhefeng Liu	SHANXI JIN BAODAO PILES FOUNDATION CO.,LTD	(72) Xizhi Zhao
Qiuye Wang	CHANGSHA UNIVERSITY OF SCIENCE & TECHNOLOGY	Zhenliang Liao
(31) 202111368382.X	(74) ir. W.J.J.M. Kempes	Alan Yuan
(32) 18.11.2021	(72) Xi Li	Wangjun He
(33) China	Guoping Qian	Jiping Liu
(51) G06F 11/34	Yunbin Lu	(31) 202111329852.1
G06F 9/50	Ping Li	(32) 10.11.2021
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H04L 9/40	Jinping Zhang	(51) G16B 20/20
(21) 2033285	Zuoyue He	G16B 40/30
(22) 12.10.2022	Hongyu Zhou	G16B 20/40
(54) INTENT-BASED ORCHESTRATION IN HETEROGENOUS COMPUTE PLATFORMS	Ziling Yang	C12Q 1/6888
(71) Intel Corporation	Zhe Wen	(21) 2033391
(74) dr. A. Krebs	Jun Cai	(22) 25.10.2022
(72) Dario Oliver	(41) 09.06.2023	(54) GROUP OF SNP LOCI AND METHOD FOR IDENTIFYING BIOGEOGRAPHIC ORIGINS OF EAST ASIAN POPULATIONS
Adrian Hoban	(51) G06N 10/00	(71) GUIZHOU MEDICAL UNIVERSITY
Kshitij Arun Doshi	(21) 2029849	(74) dr. T. Wittop Koning PhD
Dave Cremins	(22) 19.11.2021	(72) Hongling Zhang
Mikko Ylinen	(54) Coordinating operation of quantum network nodes in quantum network	Jingyan Ji
Martinez-Spessot Cesar	(71) Technische Universiteit Delft	Jiang Huang
Marcos Carranza	(74) ir. A.R. Aalbers	Xiaoye Jin
Mats Agerstam	(72) Matthew Daniel Skrzypczyk	Yubo Liu
Susanne M. Balle	Stephanie Dorothea Christine Wehner	Guiyin Zhou
Mark Yarvis	(41) 13.06.2023	Zheng Ren
Patrick Koeberl	(51) G06Q 20/40	Qiyang Wang
Thijs Metsch	G06Q 20/20	Bing Xia
John J. Browne	(21) 2032025	(41) 09.06.2023
Francesc Guim Bernat	(22) 31.05.2022	(31) 202210463446.2
Bin Li	(54) Method and system for detecting a POS terminal network compromise	(32) 28.04.2022
(31) 63/280,001	(71) Trust, Ltd	(33) China
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(32) 16.11.2021	(72) Ruslan Chebesov	H01B 9/02
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(33) United States of America	(31) RU2021133879	H01B 3/12
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G06F 16/2455	(51) G06Q 50/28	(54) SINGLE-CORE WATERPROOF B1-GRADE FLAME-RETARDANT FIRE-RESISTANT CABLE FOR RAIL TRAFFIC AND PREPARATION METHOD
G06F 16/951	G06Q 10/10	(71) Guangdong Zhongbao Cable Co., Ltd.
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G06Q 50/02	(21) 1044207	(72) Bo Tang
(21) 2029769	(22) 10.11.2021	Xiaofu Yu
(22) 16.11.2021	(54) SECURE SHARING AND CONTROLLING OF DATA IN A SUPPLY CHAIN NETWORK	Hongjian Cheng
(54) METHOD AND SYSTEM FOR GENERATING CREDIT RATING OF AGRICULTURAL SPECIALIZED SERVICE PROVIDER		Yongfu Cao
(71) INFORMATION TECHNOLOGY RESEARCH CENTER, BEIJING ACADEMY OF AGRICULTURE AND FORESTRY SCIENCES		
(74) ir. W.J.J.M. Kempes		
(72) Shouhui Pan		

Ziyi Yang	(54) Sub-nanosecond synchronisation of nodes in a quantum network
Xin Cao	(71) Technische Universiteit Delft
Hongmin Liang	(74) ir. A.R. Aalbers
Longjie Wu	(72) Erwin John van Zwet
Qiuxia Guo	(41) 08.06.2023
Shaoxin Liu	(51) H05F 3/02
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(21) 1044213	(54) Decorative panel
(22) 22.11.2021	(71) CHAMPION LINK INTERNATIONAL CORPORATION
(54) Eenrichtingsdiodes voor meeropbrengst van zonnecellen.	(74) ir. H.Th. van den Heuvel c.s.
(71) Antonius Joannes Maria Douwes	(72) Tom van Poyer
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(41) 13.06.2023	Sven Boon
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(71) Berend Haan	(22) 05.10.2022
(72) Berend Haan	(54) EXTREME ULTRAVIOLET LIGHT GENERATION SYSTEM AND ELECTRONIC DEVICE MANUFACTURING METHOD
(41) 08.06.2023	(71) Gigaphoton Inc.
(51) H01L 39/10	(74) ir. H.Th. van den Heuvel c.s.
(21) 2029724	(72) Kotaro Miyashita
(22) 11.11.2021	Gouta Niimi
(54) SUPERCONDUCTING ELECTRONIC SIGNAL OUTPUT CIRCUIT AND READOUT ARRAY	(31) 2021-188299
(71) Single Quantum B.V.	(32) 19.11.2021
(74) dr. ir. G.J.C. Verdijck c.s.	(33) Japan
(72) Iman Esmaeil Zadeh	(51) H05G 2/00
Johannes Willem Nicolaas Los	H01S 3/108
Jin Chang	(21) 2029826
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(21) 2032238	(54) An X-ray radiation generating system using inverse Compton scattering.
(22) 22.06.2022	(71) VDL Enabling Technologies Group B.V.
(54) DUAL-POLARIZED INTEGRATED ANTENNA SOURCE SYSTEM	(74) ir. A. Blokland c.s.
(71) Synergy Innovation Institute of GDUT, Heyuan	(72) Johannes Wilhelmus de Klerk
(74) dr. T. Wittop Koning PhD	Martijn Hendrikus Wilhelmus Stopel
(72) Jun Zhang	(41) 13.06.2023
Sha Xu	(51) H05K 7/20
Guohao Zhang	(21) 2029728
Chunbing Guo	(22) 12.11.2021
Zhixia Du	(54) System and methods for the individual immersion cooling of hardware components
(31) 202111391412.9	(71) Christianus Theodorus de Klein
(32) 23.11.2021	(74) drs. W.H.P. Derks
(33) China	(72) Christianus Theodorus de Klein
(51) H02M 1/44	
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H02M 3/158	
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(22) 19.11.2021	
(54) Reduction of electromagnetic emissions by using non-linear snubber capacitors.	
(71) Technische Universiteit Eindhoven	
(74) ir. A. Blokland c.s.	
(72) Hendrik Huisman	
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**Ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.
Contains data concerning Netherlands patents which have been entered in the patent
register under the Patents Act 1995.**

(51) A01C 3/06	(74) dr. R.C. van Duijvenbode c.s.	(51) A01G 9/029
A01C 15/00	(51) A01D 75/20	A01C 1/04
E01C 19/20	A01B 79/00	(11) 2029774
(11) 2029846	(11) 2029815	(47) 12.06.2023
(47) 13.06.2023	(47) 13.06.2023	(22) 16.11.2021
(22) 19.11.2021	(22) 18.11.2021	(54) BIODEGRADABLE WOVEN SHEET
(54) Kar voor het opslaan, opvegen en	(54) Agricultural machine for use in a field	FOR CULTIVATION OF PLANT
uitstrooien van mest of zand	(73) Lely Patent N.V.	SEEDLINGS
(73) Dieter Bruckmann	(72) Karel van den Berg	(73) EVERHARD CONSULTING B.V.
Antwin Vloet	Yan Li	(72) Lucas Everhardus Maria Langezaal
(72) Antwin Vloet	Esra Neslihan Turk	(74) dr. ir. G.J.C. Verdijck c.s.
Dieter Bruckmann	(74) ir. M.J.F.M. Corten	(51) A01G 25/00
(74) ir. G.J.M. Verhees	(51) A01D 84/00	A01G 25/02
(51) A01C 21/00	A01D 89/00	A01G 25/06
(11) 2029763	(11) 2029754	A01G 25/16
(47) 09.06.2023	(47) 09.06.2023	(11) 2029842
(22) 15.11.2021	(22) 15.11.2021	(47) 13.06.2023
(54) ORGANIC CULTIVATION METHOD OF	(54) A device for carrying out agricultural	(22) 19.11.2021
GRAMINEOUS FORAGE GRASS IN	processing	(54) Drip Irrigation System
ALPINE PASTORAL REGION	(73) Ploeger Oxbo Europe B.V.	(73) Rafael Grigorjan
(73) NORTHWEST INSTITUTE OF PLATEAU	(72) Hendrik Willem Breure	(72) Rafael Grigorjan
BIOLOGY, CHINESE ACADEMY OF	Marinus Adriaan Grootjans	Arsen Mkrtchyan
SCIENCES	(74) ir. A. Blokland c.s.	(74) mr. ir. J. van Breda c.s.
(72) Leiming Yao	(51) A01G 7/04	(51) A01G 25/06
Na Zhao	A01G 9/24	A01G 25/02
Shixiao Xu	H05B 47/00	(11) 2031512
Huakun Zhou	G06Q 50/02	(47) 08.06.2023
Xiaoling Zhang	G06Q 10/06	(22) 05.04.2022
Xinquan Zhao	(11) 2031566	(54) BURIED INFILTRATING IRRIGATION
Linyong Hu	(47) 08.06.2023	PIPE WITH MULTI-CAVITY WATER-
Liang Zhao	(22) 13.04.2022	INLET STEADY-FLOW CHANNEL AND
Tianwei Xu	(54) METHODS AND SYSTEMS FOR	BUILT-IN NAILS IN DOUBLE CLAMPING
Hongjin Liu	CONTROLLING HORTICULTURAL	PIECES
Xungang Wang	LIGHT SOURCES	(73) Shandong Changjiang Water-Saving
(74) ir. M.B. Plaggenborg	(73) SOLLUM TECHNOLOGIES INC.	Irrigation Technology Co., Ltd
(51) A01C 23/04	(72) Patrick Menard	(72) Juan Du
(11) 2029817	Marco Lafond	Qunying Sun
(47) 13.06.2023	Kassim Tremblay	Shiming Meng
(22) 18.11.2021	Louis Brun	Xianwu Meng
(54) MOVABLE SPRINKLER AND	Marc Tremblay	(74) ir. M.B. Plaggenborg
FERTILIZATION DEVICE	(74) ir. J.C. Volmer c.s.	(31) 202111087358.9
(73) FARMLAND IRRIGATION RESEARCH	(31) 63/174,101	(32) 16.09.2021
INSTITUTE	63/185,529	(33) China
(72) Yanhui Jia	(32) 13.04.2021	(51) A01G 25/16
Jinshan Li	07.05.2021	(11) 2029818
Hao Sun	(33) United States of America	(47) 13.06.2023
Fuyi Duan	United States of America	(22) 18.11.2021
(74) ir. W.J.J.M. Kempes	(51) A01G 9/02	(54) WATER-SAVING IRRIGATION METHOD
(51) A01D 45/00	A01G 31/06	BASED ON CRITICAL MOISTURE
A01D 46/30	(11) 2029841	INFORMATION OF SOIL-PLANT
A01G 3/00	(47) 13.06.2023	SYSTEM
(11) 2029856	(22) 19.11.2021	(73) QINGDAO AGRICULTURAL
(47) 13.06.2023	(54) System comprising a structure for	UNIVERSITY
(22) 22.11.2021	removably attaching one or more holders	(72) Yuliang Yuan
(54) Flower Cutting Device	for plants and the like, and at least one	Jian Zhang
(73) Stichting Wageningen Research	such holder	Xincheng Li
(72) Johannis Anthonie Vroegop	(73) Greenwall Solutions B.V.	(74) ir. W.J.J.M. Kempes
Menno Sytsma	(72) Johan Lambertus Bobbert Nieme	(51) A01H 1/04
Johannes Leonardus Ruizendaal	Johannes Leopold Donald Molenaar	A01H 1/02
	(74) dr. R.C. van Duijvenbode c.s.	A01H 5/12

A01H 6/00	(32) 19.05.2022	(47) 12.06.2023
(11) 2032854	(33) China	(22) 18.11.2021
(47) 09.06.2023	(51) A01K 63/00	(54) System and method for generating insect eggs
(22) 25.08.2022	A01K 63/04	(73) SmartCrops B.V.
(54) ARTIFICIAL CROSSBREEDING METHOD FOR TEA PLANTS	(11) 2029700	(72) Jesse Turkstra
(73) Hunan Tea Research Institute	(47) 08.06.2023	Seppe Paul Salari
(72) Saijun Li	(22) 10.11.2021	(74) ir. J.C. Volmer c.s.
Yu Lei	(54) DEVICE AND METHOD FOR REMOVING SEWAGE AND PREVENTING ESCAPE OF LIVE SHRIMPS FROM RECIRCULATING AQUACULTURE SYSTEM	(51) A01P 5/00
Yingyu Chen	(73) INSTITUTE OF OCEANOLOGY, CHINESE ACADEMY OF SCIENCES	A01N 25/32
Jihua Duan	(72) Tianlong Qiu	A01P 7/04
Yankai Kang	Li Zhou	A01N 37/18
Feiyi Huang	Jianming Sun	A01N 43/16
Yi Luo	Bin Wu	(11) 2029710
Ding Ding	Yishuai Du	(47) 08.06.2023
Lijuan Dong	(74) ir. W.J.J.M. Kempes	(22) 11.11.2021
(74) dr. T. Wittop Koning PhD	(51) A01K 63/04	(54) INSECTICIDE CONTAINING CAPSAICIN
(51) A01H 4/00	(11) 2029701	(73) ZHEJIANG ACADEMY OF AGRICULTURAL SCIENCES
A01H 5/08	(47) 08.06.2023	(72) Guozhi Zhou
A01H 6/74	(22) 10.11.2021	Zhuping Yao
C12N 15/82	(54) GAP-ADJUSTABLE TURNTABLE-SHAPED BOTTOM SEWAGE DISCHARGE DEVICE FOR SHRIMP POND	Hongjian Wan
(11) 2033006	(73) INSTITUTE OF OCEANOLOGY, CHINESE ACADEMY OF SCIENCES	Meiyang Ruan
(47) 09.06.2023	(72) Jianming Sun	Rongqing Wang
(22) 12.09.2022	Bin Wu	Yuan Cheng
(54) HIGH-FREQUENCY REGENERATION METHOD OF FRAGARIA ANANASSA IN VITRO LEAVES AND APPLICATION METHOD THEREOF IN GENETIC TRANSFORMATION	Li Zhou	Qingjing Ye
(73) Sichuan Agricultural University	Tianlong Qiu	Cheng'an Gao
(72) Yuxing Cheng	Yishuai Du	(74) ir. M.B. Plaggenborg
Li Tang	(74) ir. W.J.J.M. Kempes	(51) A21D 8/04
Yiping Wang	(51) A01K 67/02	C12N 1/20
Yongqiang Liu	A23K 10/12	(11) 2029751
Shiqiong Xu	A23K 10/18	(47) 09.06.2023
Yuntian Ye	A23K 50/10	(22) 15.11.2021
Haoru Tang	(11) 2029759	(54) Werkwijze voor het vervaardigen van een brooddeeg alsmede van een broodproduct, in het bijzonder een desembrood
Yinghan Luo	(47) 09.06.2023	(73) SPP Holding B.V.
Xiaolong Li	(22) 15.11.2021	(72) Marcel Spelt
Jiale Li	(54) SUPPLEMENTARY FEEDING FEED FOR YAKS AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF	(74) drs. A.A. Jilderda
(74) ir. W.J.J.M. Kempes	(73) NORTHWEST INSTITUTE OF PLATEAU BIOLOGY, CHINESE ACADEMY OF SCIENCES	(51) A23F 5/14
(31) 202111347332.3	(72) Na Zhao	A23F 5/24
(32) 15.11.2021	Xiaoling Zhang	(11) 2029740
(33) China	Shixiao Xu	(47) 08.06.2023
(51) A01H 5/08	Xinquan Zhao	(22) 12.11.2021
A01H 6/00	Linyong Hu	(54) A consumable roasted coffee bean, a coffee bean producing method, and methods for preparing coffee
A01H 1/02	Liang Zhao	(73) M.R. Investments Holding B.V.
(11) 2032979	Huakun Zhou	(72) Maik Riksen
(47) 09.06.2023	Tianwei Xu	(74) ir. M. van der Velden
(22) 07.09.2022	Hongjin Liu	(51) A23K 10/12
(54) A method of improving the fruit traits of Macadamia variety 695	Xungang Wang	A23K 10/14
(73) Guangdong ECO-Engineering Polytechnic	Zhen Ma	A23K 50/10
(72) Guifang Yang	Jiyun Li	A23K 20/26
Rendi Mai	Yanfang Deng	A23K 20/189
Shijun Wu	Gaowa Saren	(11) 2029764
Fangqiu Zhang	(74) ir. M.B. Plaggenborg	(47) 09.06.2023
Hui Li	(51) A01K 67/033	(22) 15.11.2021
Yao Liu	(11) 2029812	(54) TIBET SHEEP LACTATION EWE FEED AND PREPARATION METHOD THEREOF
Xiaoshan Zeng		(73) NORTHWEST INSTITUTE OF PLATEAU BIOLOGY, CHINESE ACADEMY OF SCIENCES
Jinyun Zhang		(72) Xiaoling Zhang
Guang Yang		Na Zhao
Nan He		
Weifeng Jiang		
Jie Song		
(74) dr. T. Wittop Koning PhD		
(31) 202210555948.8		

Shixiao Xu	SEASON AND PREPARATION AND	(47) 13.06.2023
Xinquan Zhao	FEEDING METHOD THEREOF	(22) 30.08.2022
Hongjin Liu	(73) NORTHWEST INSTITUTE OF PLATEAU	(54) DEMONSTRATION AND EXPLANATION
Linyong Hu	BIOLOGY, CHINESE ACADEMY OF	APPARATUS FOR TEACHING
Liang Zhao	SCIENCES	OF CHINESE CONTEMPORARY
Huakun Zhou	(72) Xiaoling Zhang	LITERATURE
Tianwei Xu	Gaowa Saren	(73) Chongqing Three Gorges University
Xungang Wang	Liang Zhao	(72) Lu Zhang
(74) ir. M.B. Plaggenborg	Huakun Zhou	(74) ir. W.J.J.M. Kempes
(51) A23K 10/30	Xungang Wang	(51) A47C 3/20
(11) 2029761	Na Zhao	A43D 1/02
(47) 09.06.2023	Shixiao Xu	(11) 2031037
(22) 15.11.2021	Xinquan Zhao	(47) 12.06.2023
(54) METHOD FOR PREPARING HIGHLAND	Linyong Hu	(22) 22.02.2022
BARLEY FEED	Tianwei Xu	(54) INRICHTING VOOR HET
(73) NORTHWEST INSTITUTE OF PLATEAU	Hongjin Liu	ERGONOMISCH AANMETEN VAN
BIOLOGY, CHINESE ACADEMY OF	Zhen Ma	SCHOEISEL
SCIENCES	Jiyun Li	(73) JB HOLDING B.V.
(72) Liang Zhao	Yanfang Deng	(72) Jan Beltman
Xiaoling Zhang	(74) ir. M.B. Plaggenborg	Eric ten Cate
Na Zhao	(51) A23L 29/30	(74) drs. C.H. Mink-Lindenburg
Huakun Zhou	A23L 7/104	(31) 2029804
Tianwei Xu	A23L 29/00	(32) 17.11.2021
Linyong Hu	(11) 2029748	(33) Netherlands
Shixiao Xu	(47) 09.06.2023	(51) A47J 31/053
Xinquan Zhao	(22) 15.11.2021	(11) 2029845
Hongjin Liu	(54) LIQUID STARTER CULTURE OF	(47) 13.06.2023
Xungang Wang	CHINESE STEAMED BUNS AND	(22) 19.11.2021
(74) ir. M.B. Plaggenborg	PRODUCTION PROCESS THEREOF	(54) A hot coffee brewing apparatus
(51) A23K 10/30	(73) SHANXI JINYI KANGDA FOOD CO.,	(73) Bravilor Bonamat B.V.
A23K 20/10	LTD.	(72) Jelle Haantjes
A23K 20/174	(72) Yu Cao	Jan Ansing
A23K 20/20	Na Wang	Margriet de Graaf
A23K 20/22	Jie Gao	Gerardus Cornelis Jozef de Groot
A23K 20/26	Xinghua Wang	(74) mr. ir. J. van Breda c.s.
A23K 40/10	(74) ir. W.J.J.M. Kempes	(51) A61B 17/132
A23K 50/10	(51) A41D 13/00	(11) 2029784
(11) 2029762	(11) 2029707	(47) 12.06.2023
(47) 09.06.2023	(47) 08.06.2023	(22) 17.11.2021
(22) 15.11.2021	(22) 11.11.2021	(54) Tourniquet and first aid kit comprising a
(54) PELLET FEED FOR SUPPLEMENTARY	(54) Sportpak	tourniquet
FEEDING YAKS AFTER GRAZING AND	(73) Liduina Maria Rietveld	(73) First15 B.V.
PREPARATION METHOD THEREOF	(72) Liduina Maria Rietveld	(72) Peter Bernard Wouter Hoezen
(73) NORTHWEST INSTITUTE OF PLATEAU	(74) ir. B.J. 't Jong	Ronald van den Heuvel
BIOLOGY, CHINESE ACADEMY OF	(51) A43D 1/02	Mitchell van der Wilt
SCIENCES	A47C 3/20	(74) dr. R.C. van Duijvenbode c.s.
(72) Tianwei Xu	(11) 2029804	(51) A61D 19/04
Xiaoling Zhang	(47) 12.06.2023	(11) 2029705
Xinquan Zhao	(22) 17.11.2021	(47) 08.06.2023
Hongjin Liu	(54) INRICHTING VOOR HET	(22) 11.11.2021
Xungang Wang	ERGONOMISCH AANMETEN VAN	(54) Embryo collection device for collecting
Na Zhao	SCHOEISEL	embryos in the uterine horn of sow or gilt
Shixiao Xu	(73) JB Holding B.V.	(73) Norsvin SA
Linyong Hu	(72) Jan Beltman	(72) Louisa Jane Zak
Liang Zhao	Eric ten Cate	Bjørn Gulbrandsen
Huakun Zhou	(74) drs. C.H. Mink-Lindenburg	Reina Jochems
(74) ir. M.B. Plaggenborg	(51) A47B 13/06	Marianne Oropeza-Moe
(51) A23K 10/37	(11) 2029802	Silje Katrine Nes
A23K 10/30	(47) 12.06.2023	(74) ir. J.C. Volmer c.s.
A23K 20/142	(22) 17.11.2021	(51) A61F 2/78
A23K 50/10	(54) DEVICE FOR ADJUSTING LENGTH OF	(11) 2032651
A23K 20/26	TABLE LEG	(47) 08.06.2023
(11) 2029760	(73) TAISHAN UNIVERSITY	(22) 01.08.2022
(47) 09.06.2023	(72) Hongsheng Chen	(54) Prosthesis connection system
(22) 15.11.2021	(74) ir. M.B. Plaggenborg	(73) Jona Aelrid Brendan Boender
(54) TOTAL MIXED RATION FOR DRYLOT-	(51) A47B 97/04	Jennifer Anne Boender
FEEDING YAKS DURING COLD	(11) 2032894	Jacob Quintus Laurens Anthony Boender

Jay Erna Amandala Boender	IN THE PREPARATION OF DRUGS	(11) 2029734
(72) Jay Erna Amandala Boender	FOR PREVENTING AND TREATING	(47) 08.06.2023
Jona Aelrid Brendan Boender	UV DAMAGE, EXTRACT OF THREE	(22) 12.11.2021
Jennifer Anne Boender	YELLOW AND TWO FRAGRANCES	(54) Aerator
Jacob Quintus Laurens Anthony Boender	POWDER AND CREAM FOR	(73) Airtender Works B.V.
(74) ir. G.P. den Braber	PREVENTING AND TREATING UV	(72) Robert Franciscus van der Hulst
(31) 2111122.4	DAMAGE	Dalibor Borjanin
(32) 02.08.2021	(73) Qinghai University	Rui Medeiros Santos
(33) United Kingdom	(72) Guiqin Liu	(74) ir. H.A. Witmans c.s.
(51) A61F 5/48	Xiangyang Li	(51) B01J 13/00
(11) 2033068	Yabin Duan	C08G 83/00
(47) 13.06.2023	Wenqi Gu	(11) 2029771
(22) 19.09.2022	Qian Wang	(47) 09.06.2023
(54) UNDERPAD WITH WETNESS	Yafeng Wang	(22) 16.11.2021
INDICATOR	Jianxin Yang	(54) COMPOSITE DEFECT TYPE METAL
(73) Medline Industries, LP	Ning Qu	ORGANIC FRAMEWORK GEL PROTON
(72) Alyssa Kurt	Yongbiao Zheng	CONDUCTION MATERIAL AND
Morgan Uridil	Linli La	PREPARATION METHOD THEREOF
Kushal Basnet	Delong Duo	(73) HARBIN NORMAL UNIVERSITY
Jessica Iacullo	Hailin Li	(72) Feng Zhang
Cole Fuerste	Xiaodong Su	Jiyu Tang
Danielle Calverley	Junbo Zhu	Lei Zhou
Jacob Sessions	Xue Bai	(74) ir. W.J.J.M. Kempes
(74) mr. ir. J. van Breda c.s.	Yang Zhou	(51) B02C 18/14
(31) 17/500,464	(74) ir. M.B. Plaggenborg	C02F 11/13
(32) 13.10.2021	(51) B01D 19/00	C02F 11/147
(33) United States of America	C02F 1/20	C02F 11/122
(51) A61G 5/10	F24D 19/08	C02F 11/125
A61G 5/02	(11) 2029857	C02F 11/131
(11) 2029708	(47) 13.06.2023	C02F 11/143
(47) 08.06.2023	(22) 22.11.2021	B02C 23/16
(22) 11.11.2021	(54) Low pressure degassing device	B07B 1/28
(54) Duwinrichting voor een rolstoel	(73) Flamco B.V.	C02F 11/06
(73) SUWEVE B.V.	(72) Jan Henk Crossen	(11) 2032175
(72) Eveline Elisabeth van de Hoef-Laurey	(74) ir. J.C. Volmer c.s.	(47) 07.06.2023
Suzanne Laurey	(51) B01D 50/00	(22) 15.06.2022
Wouter Wilmar Mattan Witteman	B01D 47/06	(54) CERAMIC SLUDGE TREATMENT
(74) ir. A. Blokland c.s.	(11) 2029829	METHOD AND SYSTEM
(51) A61P 9/00	(47) 13.06.2023	(73) Shuimujingu Environmental Technology
A61K 36/896	(22) 19.11.2021	Co., Ltd.
A61K 36/268	(54) FOG AND HAZE REMOVAL DEVICE	(72) Higashi Ko
A61K 31/045	AND METHOD	Huajun Nie
A61K 36/73	(73) HENAN INSTITUTE OF METROLOGY	Hao Wang
A61K 36/258	(72) Xiaoquan Sun	(74) dr. R.C. van Duijvenbode c.s.
A61K 36/076	Guangjun Wang	(51) B23Q 7/14
A61K 35/10	Xiaowei Wang	B23Q 37/00
(11) 2029801	Shusheng Wang	B23Q 1/00
(47) 12.06.2023	Junchen Zou	B23K 37/04
(22) 17.11.2021	Changzheng Ma	(11) 2029832
(54) METHOD FOR PREPARING JIEXIANG	(74) ir. W.J.J.M. Kempes	(47) 13.06.2023
DINGTONG CAPSULE FOR TREATING	(51) B01D 61/14	(22) 19.11.2021
CORONARY HEART DISEASE	B01D 65/02	(54) Workpiece holding device exchange
(73) TIAN SHUI SHI ZHONG YI YI YUAN	C02F 1/44	system
(72) Huijuan Liu	E03B 3/02	(73) AWL-Techniek B.V.
Baoguo Cao	(11) 2029718	(72) Evert Meindert Kuiper
Jianwen Ge	(47) 08.06.2023	Ricardo de Wilde
(74) ir. M.B. Plaggenborg	(22) 11.11.2021	(74) ir. H.A. Witmans c.s.
(51) A61P 17/18	(54) Water treatment system and water	(51) B29C 45/18
A61K 36/324	treatment method	G01G 13/24
A61K 36/328	(73) D2D Water Solutions B.V.	B65G 65/42
A61K 36/708	(72) Ton van Hecke	(11) 2029716
A61K 36/718	(74) ir. H.A. Witmans c.s.	(47) 08.06.2023
A61K 36/756	(51) B01F 23/236	(22) 11.11.2021
(11) 2029794	B01F 23/231	(54) VERBETERDE DOSEERINRICHTING
(47) 12.06.2023	B01F 23/2361	VOOR EEN VORMMACHINE VOOR
(22) 17.11.2021	B01F 33/501	HET DOSEREN VAN EEN EERSTE
(54) APPLICATION OF THREE YELLOW AND TWO FRAGRANCES POWDER	B01F 35/00	GRANULAIR MATERIAAL AAN HET
	B01F 35/71	TWEDE GRANULAIR MATERIAAL

(73) FERLIN TRADING B.V.	(51) B60K 6/442	(54) CONSTRAINED MULTIPLE
(72) Mathijs Egbert Fix	B60K 6/387	INSTANTANEOUS VELOCITY CENTER
Herman Dirk Jan Wennemars	B60K 6/543	LINKAGE ASSEMBLY FOR VEHICLE
Frank Wiebe Goodijk	(11) 2029821	SUSPENSION
(74) drs. C.H. Mink-Lindenburg	(47) 13.06.2023	(62) 2027223 (24.12.2020)
(51) B29D 30/00	(22) 18.11.2021	(73) YETI CYCLING, LLC
(11) 2029785	(54) HYBRID POWERTRAIN FOR A MOTOR	(72) Peter Zawistowski
(47) 12.06.2023	VEHICLE	(74) ir. J.C. Volmer c.s.
(22) 17.11.2021	(73) Robert Bosch GmbH	(31) 62/953,384
(54) Gripper for gripping a spacer, handling	(72) Carlos Barbosa	17/116,843
assembly comprising said gripper and	Francis van der Sluis	(32) 24.12.2019
method for transferring a spacer from a	(74) ir. G.A.J.M. Plevier	09.12.2020
first station to a second station	(51) B60L 1/00	(33) United States of America
(73) VMI Holland B.V.	B60L 8/00	United States of America
(72) Willem Marinus van Beek	B60L 50/52	(51) B63B 21/58
Timen Anton van Werven	B60L 58/20	B63B 35/68
Robin Nusselder	B60K 16/00	(11) 1044209
(74) ir. F.A. Geurts c.s.	G06K 19/07	(47) 08.06.2023
(51) B29D 30/00	H02J 1/10	(22) 11.11.2021
(11) 2029786	B60L 50/60	(54) Winch system for tug, comprising circular
(47) 12.06.2023	(11) 2031534	rails for carrying a heavy movable cable
(22) 17.11.2021	(47) 13.06.2023	winch unit, the circular rails having
(54) Bead separator, bead supply station	(22) 29.06.2021	substantially different radii w.r.t. their
and a method for separating a single	(54) Seamless electrical integration of solar	common center
bead from a bead supply unit holding a	panels to the low-voltage architecture of	(73) Dr. Ir. Markus van der Laan
plurality of beads	any EV	M.L.A. Beheer B.V.
(73) VMI Holland B.V.	(62) 2028562 (29.06.2021)	(72) Dr. Ir. Markus van der Laan
(72) Willem Marinus van Beek	(73) Atlas Technologies Holding B.V.	(51) B63B 59/08
Timen Anton van Werven	(72) Soumya Bandyopadhyay	(11) 2029791
Robin Nusselder	(74) ir. J.C. Volmer c.s.	(47) 12.06.2023
(74) ir. F.A. Geurts c.s.	(51) B60N 2/34	(22) 17.11.2021
(51) B29D 30/00	(11) 2029709	(54) THREE-DEGREE-OF-FREEDOM HIGH-
F16P 3/10	(47) 08.06.2023	FLEXIBILITY WORKING DEVICE FOR
G01M 17/02	(22) 11.11.2021	UNDERWATER WALL SURFACE
(11) 2029797	(54) Slaapbank voor een voertuig	CLEANING ROBOT
(47) 12.06.2023	(73) Automotive Fryslân B.V.	(73) ShanDong JiaoTong University
(22) 17.11.2021	(72) Anne Willem Huidekoper	(72) Baoping Wang
(54) Tire building machine and method for	(74) ir. B.J. 't Jong	Yongjuan Wang
inspecting a tire component produced in	(51) B60R 3/00	Zhiguang Guan
said tire building machine	B60D 1/66	Lin Zhang
(73) VMI Holland B.V.	B60R 9/06	(74) ir. M.B. Plaggenborg
(72) Willem Marinus van Beek	(11) 2029855	(51) B64F 5/10
(74) ir. F.A. Geurts c.s.	(47) 13.06.2023	B21J 15/14
(51) B29D 30/48	(22) 22.11.2021	B23Q 3/06
(11) 2029796	(54) A truck front platform assembly	B23Q 11/00
(47) 12.06.2023	(73) DAF Trucks N.V.	B23Q 17/09
(22) 17.11.2021	(72) Petrus Adrianus van Oirschot	F16F 15/027
(54) Cutting device and method for cutting a	Hendrikus Johannes Marinus Wullems	(11) 2029836
strip and production line for applying an	(74) ir. H.A. Witmans c.s.	(47) 13.06.2023
apex to a bead.	(51) B62J 11/10	(22) 19.11.2021
(73) VMI Holland B.V.	B62K 21/12	(54) SYSTEM AND METHOD FOR
(72) Willem Marinus van Beek	(11) 2032815	DAMPING MACHINE-INDUCED
(74) ir. F.A. Geurts c.s.	(47) 08.06.2023	VIBRATIONS IN A WORKPIECE
(51) B32B 17/10	(22) 22.08.2022	(73) The Boeing Company
(11) 2029752	(54) CABLE POSITIONING DEVICE FOR	(72) Matthew B. Moore
(47) 09.06.2023	BICYCLE	Patrick B. Stone
(22) 15.11.2021	(73) HSIN LUNG ACCESSORIES CO., LTD.	(74) dr. ir. G.J.C. Verdijk c.s.
(54) Automotive window laminate structure,	(72) Xue-Sen Liao	(51) B64F 5/10
thermoplastic laminated sheet structure	(74) ir. J.H. de Hoog	B21J 15/14
for use therein, and method for producing	(31) 110210137	B29C 70/54
said automotive window laminate	(32) 27.08.2021	(11) 2029835
structure via heat pressure laminating	(33) Taiwan, Chinese Taipei	(47) 13.06.2023
process	(51) B62K 25/28	(22) 19.11.2021
(73) Autoglas D & K B.V.	(11) 2029897	(54) SYSTEM AND METHOD FOR POST-
(72) Bartholomeus Leonardus Marinus	(47) 07.06.2023	CURE PROCESSING OF COMPOSITE
Borcherd Driehuis	(22) 24.12.2020	WORKPIECE
(74) ir. H.Th. van den Heuvel c.s.		(73) The Boeing Company
		(72) Patrick B. Stone

Matthew B. Moore	Andrea Andreoli	C08K 5/10
(74) dr. ir. G.J.C. Verdijck c.s.	(74) ir. H.A. Witmans c.s.	C08K 9/04
(51) B64F 5/10	(51) C03C 17/25	C08L 27/06
B23P 21/00	C03C 23/00	(11) 2029765
B23Q 3/06	(11) 2029781	(47) 09.06.2023
B23Q 3/16	(47) 12.06.2023	(22) 16.11.2021
B25B 5/06	(22) 17.11.2021	(54) SYNERGISTIC HEAT STABILIZER
B25B 5/08	(54) METHOD FOR PREPARING	AND USE THEREOF IN IMPROVING
B25B 5/10	MICROSTRUCTURE ON SURFACE	THERMAL STABILITY OF PVC
B25B 5/12	OF GLASS BY TITANIUM OXIDE	(73) Anhui University of Science and
B25B 5/14	NANOPARTICLE-ASSISTED INFRARED	Technology
B64F 5/50	NANOSECOND LASER	(72) Xiang Zhang
(11) 2029834	(73) SHANDONG UNIVERSITY	Yiheng Lu
(47) 13.06.2023	(72) Yukui Cai	Zonglin Chen
(22) 19.11.2021	Zhanqiang Liu	Bing Wang
(54) SYSTEM AND METHOD FOR	Xichun Luo	Longjuan Ma
HANDLING COMPOSITE WORKPIECE	Yiping Tang	Yan Chen
IN WORK CELL	Yi Wan	(74) drs. P.A. van Essen c.s.
(73) The Boeing Company	Qinghua Song	(51) C09D 5/02
(72) Patrick B. Stone	Bing Wang	C09D 105/00
Matthew B. Moore	(74) ir. W.J.J.M. Kempes	C09D 7/45
(74) dr. ir. G.J.C. Verdijck c.s.	(51) C04B 28/02	C09D 7/60
(51) B64F 5/10	(11) 2032455	C09B 67/00
B29C 70/54	(47) 08.06.2023	C09D 17/00
B21J 15/14	(22) 12.07.2022	(11) 2029851
(11) 2029838	(54) BROKEN BRICK AND WASTE GLASS	(47) 13.06.2023
(47) 13.06.2023	AGGREGATE CONCRETE FOR	(22) 21.11.2021
(22) 19.11.2021	REAMED PILES AND PREPARATION	(54) Dry powder paint composition and
(54) METHODS AND SYSTEMS FOR	METHOD THEREOF	method for producing a dry powder paint
MANUFACTURING A STRUCTURE	(73) HuangHuai University	(73) Earthyhome Holding B.V.
(73) The Boeing Company	Zhengzhou University	(72) Patricia Antoinette Petronella Geelen
(72) Matthew B. Moore	ZhengZhou University Multi-functional	Margo Maria Catharina Hendriks
Patrick B. Stone	Design and Research Academy Co. Ltd.	Jacques Willem Frederik van der Schaaf
(74) dr. ir. G.J.C. Verdijck c.s.	Tonghe Zhou	(74) ir. H.Th. van den Heuvel c.s.
(51) B64F 5/50	(72) Xiuyun Chen	(51) C12H 1/07
(11) 2029839	Yuancheng Guo	B01D 61/36
(47) 13.06.2023	Yan Yang	B01D 69/12
(22) 19.11.2021	Tonghe Zhou	B01D 67/00
(54) METHOD AND SYSTEM FOR	Dongzhao Hu	B01D 15/08
TRANSPORTING A WORKPIECE IN A	(74) ir. W.J.J.M. Kempes	(11) 2029772
MANUFACTURING ENVIRONMENT	(31) 202110797418.X	(47) 12.06.2023
(73) The Boeing Company	(32) 14.07.2021	(22) 16.11.2021
(72) Patrick B. Stone	(33) China	(54) BIFUNCTIONAL COMPOSITE
Matthew B. Moore	(51) C05F 17/00	MEMBRANE AND PREPARATION
(74) dr. ir. G.J.C. Verdijck c.s.	C05G 3/80	METHOD AND USE THEREOF,
(51) B64F 5/50	(11) 2029852	AND METHOD FOR REMOVING
(11) 2029840	(47) 13.06.2023	PLASTICIZER IN LIQUOR
(47) 13.06.2023	(22) 22.11.2021	(73) BEIJING TECHNOLOGY AND
(22) 19.11.2021	(54) WASTE CLAY-BASED ORGANIC	BUSINESS UNIVERSITY
(54) SYSTEMS AND METHODS FOR	FERTILIZER, PREPARATION METHOD	(72) Jihong Wu
SUPPORTING A WORKPIECE IN A	AND APPLICATION THEREOF	Mingquan Huang
MANUFACTURING ENVIRONMENT	(73) INSTITUTE OF SOIL, FERTILIZER,	Hong Ye
(73) The Boeing Company	RESOURCES AND ENVIRONMENT,	Baoguo Sun
(72) Matthew B. Moore	JIANGXI ACADEMY OF	Fuping Zheng
Patrick B. Stone	AGRICULTURAL SCIENCES	Yuyu Zhang
(74) dr. ir. G.J.C. Verdijck c.s.	(72) Chunrui Peng	Jinyuan Sun
(51) B65G 17/40	Shaoxian Wang	Xiaotao Sun
(11) 2029847	Xianjiao Guan	Hehe Li
(47) 13.06.2023	Xiaoying Qiu	Bingyu Zhao
(22) 19.11.2021	Caifei Qiu	Jingyi Du
(54) Modular conveyor belt, conveyor belt	Jin Chen	Chaowei Huo
module, method of manufacturing a	Xia Chen	(74) ir. W.J.J.M. Kempes
conveyor belt module, and use of a	Caihong Shao	(51) C12N 1/20
material to manufacture a conveyor belt	Yinfei Qian	A23B 4/00
module	Xianmao Chen	A23B 4/12
(73) Rexnord FlatTop Europe B.V.	(74) ir. W.J.J.M. Kempes	A23L 13/00
(72) Cornelis Hendrik Mijndert Menke	(51) C08K 5/098	(11) 2033420
	C08K 5/58	(47) 09.06.2023

- (22) 29.10.2022
(54) LACTOBACILLUS PLANTARUM SL1 AND FERMENTATION METHOD THEREOF
(73) Northeast Agricultural University
(72) Yuanyongju Cui
Ran Tao
Fangda Sun
Yangyang Feng
Baohua Kong
Qian Liu
Xin Li
(74) dr. T. Wittop Koning PhD
(83) M2022015
05.01.2022
China Center for Type Culture Collection (CCTCC)
College of Life Sciences, Wuhan University, Wuhan 430072, China
(31) 202210449830.7
(32) 27.04.2022
(33) China
(51) C12Q 1/68
(11) 2029858
(47) 13.06.2023
(22) 22.11.2021
(54) Detection of a biomolecular process
(73) LUMICKS DSM Holding B.V.
(72) Marco Simonetta
Rosalie Paula Catharina Driessen
(74) ir. A.R. Aalbers
(51) C12Q 1/6806
(11) 2029859
(47) 13.06.2023
(22) 22.11.2021
(54) Method to produce DNA molecules with repeating units for use in single-molecule assays.
(73) LUMICKS DSM Holding B.V.
(72) Marco Simonetta
(74) ir. A.R. Aalbers
(51) C12Q 1/6895
(11) 2033088
(47) 09.06.2023
(22) 20.09.2022
(54) SIMPLE SEQUENCE REPEAT (SSR) MOLECULAR MARKER PRIMERS LINKED WITH YELLOW COTYLEDON GENE BRYC IN CHINESE CABBAGE AND USE THEREOF
(73) Northwest A&F University
(72) Xiaoyuan Liu
Lugang Zhang
Yihua Xue
Junqing Wu
Ninan Zhang
Yuting He
Yaxiu Zhang
Xuefen Zhang
(74) ir. M.B. Plaggenborg
(31) 202111346324.7
(32) 15.11.2021
(33) China
(51) C12Q 1/6895
C12Q 1/686
(11) 2033157
(47) 13.06.2023
(22) 27.09.2022
- (54) PRIMER PAIR, PROBE AND IDENTIFICATION METHOD OF HIRSUTELLA SINENSIS
(73) National Institutes for Food and Drug Control
(72) Xiu Ren
Shuai Kang
Feng Wei
Tulin Lu
Shuangcheng Ma
Shenghui Cui
Ping Zhang
(74) ir. M.B. Plaggenborg
(31) 20211151860.1
(32) 29.09.2021
(33) China
(51) C25B 9/19
C25B 9/70
C25B 9/05
C25B 9/65
C25B 9/63
C25B 9/015
C25B 1/04
(11) 2029726
(47) 08.06.2023
(22) 11.11.2021
(54) Improvements in or relating to high-pressure electrolysis device
(73) Hydro-Gen BV
(72) Arie Meerkerk
(74) dr. A.V. Huygens
(51) D21H 19/38
D21H 17/10
D21H 19/52
D21H 21/16
D21H 17/14
D21H 17/17
D21H 17/24
D21H 17/37
D21H 19/34
D21H 21/20
D21H 27/10
(11) 2033715
(47) 09.06.2023
(22) 13.12.2022
(54) SUPERHYDROPHOBIC HEAT-RESISTANT PAPER-BASED MATERIAL AND A PREPARATION METHOD THEREOF
(73) Zhejiang University of Science and Technology
(72) Xiangnan Wu
Daliang Guo
Feiyang Zhang
Lizheng Sha
Huifang Zhao
Jianbin Chen
Jun Yang
(74) dr. T. Wittop Koning PhD
(31) 20211527916.9
(32) 14.12.2021
(33) China
(51) E01C 7/18
(11) 2029828
(47) 13.06.2023
(22) 19.11.2021
(54) ASPHALT MIXTURE DESIGN METHOD CONSIDERING COMPACTION WORK
- (73) TONGJI UNIVERSITY
(72) Lijun Sun
Liping Liu
Wei Liu
Bangwei Wu
Yining Zhang
(74) ir. W.J.J.M. Kempes
(51) E01C 23/088
E01C 23/09
B28D 1/18
B28D 1/28
B24B 7/18
E02F 3/18
(11) 2029843
(47) 13.06.2023
(22) 19.11.2021
(54) DEVICE AND METHOD FOR PROCESSING A SURFACE
(73) Art En Reno BVBA
(72) Franciscus Andreas Anna Maria Bax
(74) dr. ir. G.J.C. Verdijck c.s.
(51) E01D 22/00
(11) 2029732
(47) 08.06.2023
(22) 12.11.2021
(54) Prefabricated Prestressed Slab Externally Bonded to Ni-Ti-Nb Memory Alloy Fiber Wire and Construction Method Thereof
(73) Fujian University of Technology
(72) Wei Zhang
Jiangang Wei
(74) V. Mellet
(51) E02B 17/00
B66C 13/18
E02D 13/04
B66C 23/18
(11) 2029720
(47) 08.06.2023
(22) 11.11.2021
(54) A vessel and a method of inserting a monopile into a guide
(73) IQIP Holding B.V.
(72) Jurgen Arjan Zijlmans
Alexander Maarten van der Zee
Bram van den Berg
Fabian Corijn Bakker
Jacob Osnabrugge
(74) ir. A.R. Aalbers
(51) E02B 17/02
B63B 79/00
E02B 17/08
(11) 2029776
(47) 12.06.2023
(22) 16.11.2021
(54) Jack-up vessel, method for operating a jack-up vessel and control system for a jack-up vessel.
(73) Itrec B.V.
(72) Cornelis Martinus van Veluw
Eric Romeijn
(74) ir. J.C. Volmer c.s.
(51) E02D 5/02
E02D 7/24
E02D 7/26
E02D 19/12
(11) 2029814

(47) 13.06.2023	(22) 18.11.2021	(51) F16G 13/00
(22) 18.11.2021	(54) Light assembly and tower	B65G 17/38
(54) Sheet piling installation for sheet piles	(73) Orga Holding B.V.	(11) 2029715
(73) GeoHydron B.V.	(72) Masai Mara de Wit	(47) 08.06.2023
Muurlink B.V.	Mischa Sjors Groeneveld	(22) 11.11.2021
(72) Gerrit Harold Berno van Tongeren	Edwin Martin de Held	(54) STAINLESS STEEL HOLLOW PIN
Bram Muurlink	(74) ir. H.A. Witmans c.s.	WATER TREATMENT CHAIN
(74) ir. F.A. Geurts c.s.	(51) F04B 53/00	(73) Anhui Huangshan Hengjiu Chain
(51) E02D 5/48	F16L 37/00	Transmission Co., Ltd.
E02D 5/54	(11) 2029756	(72) Yibing Chen
F03D 13/25	(47) 09.06.2023	Jian Zhou
(11) 2033457	(22) 15.11.2021	Kefei Zhang
(47) 09.06.2023	(54) Portable fitting assembly	Jian Shao
(22) 03.11.2022	(73) B.B.A. Participaties B.V.	Yi Zhang
(54) SMALL-WATERPLANE-AREA TRUSS- TYPE SINGLE PILE FOUNDATION FOR OFFSHORE WIND POWER	(72) Johannes Bruin	(74) ir. M.B. Plaggenborg
(73) BEIBU GULF UNIVERSITY	(74) ir. F.A. Geurts c.s.	(51) F24F 8/108
(72) Jiangmao Zhu	(51) F16D 3/205	F24F 8/22
Han Liu	(11) 2029721	F24F 8/80
Zhenguo Tang	(47) 08.06.2023	(11) 2029767
Liang Sun	(22) 11.11.2021	(47) 09.06.2023
Dongbin Yang	(54) HEAT-INSULATING AND VIBRATION- DAMPING SLIDING ROD TYPE	(22) 16.11.2021
Dongsheng Du	UNIVERSAL COUPLING	(54) Vertical air cleaning device
Kai Liu	(73) QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY	(73) Duux Holding B.V.
Yan Wang	(72) Fuqin Yang	(72) Mark Angenent
Zhanbin Meng	Yan Xu	(74) drs. P.A. van Essen c.s.
Dongzhen Wang	Linlin Sun	(51) G01J 3/02
(74) dr. T. Wittop Koning PhD	(74) ir. M.B. Plaggenborg	G01N 21/25
(51) E04B 1/344	(51) F16F 1/12	(11) 2029816
E04B 1/346	(11) 2029819	(47) 13.06.2023
(11) 2029746	(47) 13.06.2023	(22) 18.11.2021
(47) 09.06.2023	(22) 18.11.2021	(54) AGRICULTURAL MULTISPECTRAL IMAGING SYSTEM
(22) 14.11.2021	(54) TENSILE SUPPORT APPARATUS	(73) FARMLAND IRRIGATION RESEARCH INSTITUTE
(54) WANDELEMENT EN GEBOUW DAT EEN DERGELIJK WANDELEMENT OMVAT	(73) JIANGXI UNIVERSITY OF SCIENCE AND TECHNOLOGY	(72) Yanhui Jia
(73) Eddy van der Laan	CENTRAL SOUTH UNIVERSITY	Xiulu Sun
Vera Selhorst	(72) Bin Guo	Jinshan Li
(72) Vera Selhorst	Junjie Chen	Yayang Feng
Eddy van der Laan	Qiliang Wang	(74) ir. W.J.J.M. Kempes
(74) ir. M.B. Plaggenborg	Jianping Tan	(51) G01N 3/12
(51) E04F 19/06	Jun Tang	B65G 47/74
E06B 1/34	Hao Niu	B65G 47/82
(11) 2029747	(74) ir. W.J.J.M. Kempes	G01M 5/00
(47) 09.06.2023	(51) F16G 5/16	G01N 35/00
(22) 15.11.2021	(11) 2029820	(11) 2032734
(54) Gevelskelet voor houtskeletbouw	(47) 13.06.2023	(47) 09.06.2023
(73) BOUWGROEP DIJKSTRA DRAISMA B.V.	(22) 18.11.2021	(22) 11.08.2022
(72) Alex Louw Dillema	(54) METAL RING FOR A DRIVE BELT	(54) Comprehensive Test Platform for Material Stress Characteristic Analysis
(74) ir. W.J.J.M. Kempes	(73) Robert Bosch GmbH	(73) Jilin Jianzhu University
(51) E04G 1/15	(72) Bert Pennings	(72) Wei Tian
E04G 1/30	(74) ir. G.A.J.M. Plevier	Yujie Jin
(11) 2029736	(51) F16G 11/14	Yongmei Qian
(47) 08.06.2023	F16M 11/04	Lina Xu
(22) 12.11.2021	F16M 13/02	Ruozhu Wang
(54) Assembly comprising a folding ladder and a platform	(11) 2033405	Wei Guo
(73) Lampe Holding B.V.	(47) 13.06.2023	Lei Niu
(72) Caspar Bernard Lampe	(22) 27.10.2022	Xin Jiang
(74) ir. J.C. Volmer c.s.	(54) MONTAGESAMENSTEL VOOR HET VERWIJDERBAAR BEVESTIGEN VAN EEN ELECTRONISCH APPARAAT AAN EEN OPPERVLAK	(74) dr. T. Wittop Koning PhD
(51) F03D 80/10	(73) Kim Jolie	(51) G01N 21/3563
F21V 5/04	(72) Kim Jolie	G01N 21/359
F21V 21/02	(31) 2021/5843	G01N 33/10
(11) 2029811	(32) 27.10.2021	A01H 1/04
(47) 12.06.2023	(33) Belgium	A01C 1/00
		(11) 2033089
		(47) 13.06.2023
		(22) 20.09.2022

<p>(54) METHOD OF EVALUATING QUALITY TRAIT STABILITY OF WHEAT (73) Crop Research Institute, Sichuan Academy of Agricultural Sciences (72) Zongjun Pu Jiangtao Luo Qingyan Deng Jianmin Zheng Hongshen Wan Shizhao Li (74) ir. M.B. Plaggenborg (31) 202111367284.4 (32) 18.11.2021 (33) China <hr/>(51) G01S 19/45 G01C 21/16 G01C 21/20 (11) 2029737 (47) 08.06.2023 (22) 12.11.2021 (54) RANGING NAVIGATION METHOD OF DEEP SEA VEHICLE FOR WATER SURFACE MONITORING PLATFORM (73) National Deep Sea Center (72) Tongwei Zhang Xiangxin Wang (74) ir. M.B. Plaggenborg <hr/>(51) G01V 1/28 G01V 1/36 (11) 2029795 (47) 12.06.2023 (22) 17.11.2021 (54) SEISMIC DATA RECONSTRUCTION METHOD AND DEVICE, COMPUTER READABLE STORAGE MEDIUM AND EQUIPMENT (73) Institute of Geology and Geophysics, Chinese Academy of Sciences (72) Guoxu Shu Liang Huang Shoudong Huo Shengqiang Mu Xuhui Zhou Jiaru Zou (74) ir. M.B. Plaggenborg <hr/>(51) G01V 1/30 (11) 2029807 (47) 12.06.2023 (22) 17.11.2021 (54) NEW METHOD FOR EFFECTIVELY RECOGNIZING GROUND FISSURE (73) CHINA UNIVERSITY OF MINING AND TECHNOLOGY, BEIJING (72) Dong Li Jiacheng Guo Suzhen Shi Jianying Gu (74) ir. M.B. Plaggenborg <hr/>(51) G01V 1/36 (11) 2029800 (47) 12.06.2023 (22) 17.11.2021 (54) METHOD FOR SUPPRESSING ADJACENT SHOT INTERFERENCE, SYSTEM AND COMPUTER READABLE MEDIUM (73) Institute of Geology and Geophysics, Chinese Academy of Sciences</p>	<p>(72) Shengqiang Mu Liang Huang Taikun Shi Xuhui Zhou Shoudong Huo Guoxu Shu Jiaru Zou (74) ir. M.B. Plaggenborg <hr/>(51) G01V 1/38 G01V 1/047 G01V 1/16 E02D 1/02 (11) 2027286 (47) 08.06.2023 (22) 07.01.2021 (54) IN-SITU MEASUREMENT SYSTEM AND METHOD FOR MEDIUM- AND LOW-FREQUENCY ACOUSTIC PROPERTIES OF SEAFLOOR SEDIMENTS (73) First Institute of Oceanography, Ministry of Natural Resources National Deep Sea Center (72) Guangming Kan Baohua Liu Yanliang Pei Yingying Zhang Jingxi Liu Guanbao Li Xiangmei Meng Jingqiang Wang Dequan Lu (74) ir. F.A. Geurts c.s. (31) 202010020256.4 (32) 09.01.2020 (33) China <hr/>(51) G01V 11/00 (11) 2029808 (47) 12.06.2023 (22) 17.11.2021 (54) METHOD FOR PREDICTING WATER YIELD PROPERTY OF COAL SEAM FLOOR BASED ON MULTI-ATTRIBUTE INVERSION (73) CHINA UNIVERSITY OF MINING AND TECHNOLOGY, BEIJING (72) Suzhen Shi (74) ir. M.B. Plaggenborg <hr/>(51) G02B 6/42 (11) 2029423 (47) 08.06.2023 (22) 14.10.2021 (54) HIGH BANDWIDTH OPTICAL INTERCONNECTION ARCHITECTURES (73) Intel Corporation (72) Xiaoqian Li Suresh V. Pothukuchi Brandon C. Marin Kristof Darmawikarta Zhichao Zhang Ankur Agrawal Susheel Jadhav James E. Jaussi Priyanka Dobriyal Debendra Mallik Sujit Sharan Rahul N. Manepalli</p>	<p>Nitin Deshpande Arnab Sarkar Bai Nie Mozhgan Mansuri Bryan K. Caspar Kemal Ayyun Omkar Karhade Ravindranath V. Mahajan Kenneth Brown Srinivas V. Pietambaram Gang Duan Sameer Paital Rajesh Inti Jason M. Gamba Jeremy Ecton Divya Pratap Sai Vadlamani (74) dr. A. Krebs (31) 16/953,146 (32) 19.11.2020 (33) United States of America <hr/>(51) G06F 1/16 (11) 2029809 (47) 13.06.2023 (22) 18.11.2021 (54) AUTOMATICALLY OPEN LAPTOP HINGE (73) Intel Corporation (72) Chunlin Bai (74) dr. A. Krebs (31) PCT/CN2020/138235 (32) 22.12.2020 (33) China <hr/>(51) G06F 1/30 G06F 1/32 (11) 2029723 (47) 13.06.2023 (22) 11.11.2021 (54) APPLICATION AWARE GRACEFUL OVER CURRENT PROTECTION FOR MULTI-SOCKET PLATFORMS (73) Intel Corporation (72) Ravikiran Chukka Vincent Zimmer Rajesh Poomnachandran Rajendrakumar Chinnaiyan (74) dr. A. Krebs (31) 17/122,693 (32) 15.12.2020 (33) United States of America <hr/>(51) G06F 1/3231 (11) 2029823 (47) 08.06.2023 (22) 18.11.2021 (54) METHODS AND APPARATUS TO IMPROVE USER EXPERIENCE ON COMPUTING DEVICES (73) Intel Corporation (72) Marko Bartscherer Paul Diefenbaugh Kristoffer Fleming Melanie Daniels Aleksander Magi Lawrence Falkenstein Raoul Rivas Toledano Vishal Sinha Deepak Samuel Kirubakaran Venkateshan Udhayan</p>
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(74) ir. A.R. Aalbers	Jingyan Ji	(54) UNIVERSAL ELECTRICALLY INACTIVE DEVICES FOR INTEGRATED CIRCUIT PACKAGES
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(33) Russian Federation	Yubo Liu	Timothy Gosselin
(51) G06Q 50/28	Guiyin Zhou	(74) dr. A. Krebs
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G06Q 10/08	Qiyang Wang	(32) 20.11.2020
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René Kint	H01B 9/02	(22) 04.11.2021
Marko Kristian Kauppinen	H01B 13/00	(54) HERMETIC SEALING STRUCTURES IN MICROELECTRONIC ASSEMBLIES HAVING DIRECT BONDING
Dennis de Wit	H01B 3/12	(73) Intel Corporation
Peng Huang	(11) 2029806	(72) Adel A. Elsherbini
(51) G06V 10/44	(47) 12.06.2023	Mohammad Enamul Kabir
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(72) Boris Zverkov	Hongjian Cheng	(51) H01L 31/05
Nikolay Prudkovskiy	Yongfu Cao	H01L 31/02
(74) ir. A.R. Aalbers	Ziyi Yang	(11) 1044213
(31) RU2021114210	Xin Cao	(47) 13.06.2023
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(51) G11C 16/26	Qiuxia Guo	(73) Antonius Joannes Maria Douwes
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Ravi Motwani	Gerald Pasdast	(73) Single Quantum B.V.
Ali Khakifirooz	Johanna Swan	(72) Iman Esmaeil Zadeh
George Kalwitz	Han Wui Then	Johannes Willem Nicolaas Los
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(32) 09.06.2021	Kimin Jun	(51) H02M 1/44
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(73) Technische Universiteit Eindhoven	(72) Takayuki Yabu
(72) Hendrik Huisman	Yuta Takashima
(74) ir. A. Blokland c.s.	(74) ir. H.A. Witmans c.s.
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Dawei Ying	(73) Christianus Theodorus de Klein
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(72) Tom van Poyer	
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NP3

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

EP1

Vertaalde conclusies van Europese octrooiaanvragen.

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

EP2

Voor Nederland verleende Europese octrooien.

Contains data concerning European patents granted for The Netherlands.

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(72) Steudtner, Hans-Joachim	(73) TTS Cleaning s.r.l.	CUTLERY
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AND MICROMETASTASES IN THE	XIN, Hongbo	(72) ROGERS, John A.
BLOODSTREAM	JIANG, Yan	KIM, Rak-Hwan
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Weber, Michael	TIAN, Liang	KAPLAN, David L.
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(73) Koenig & Bauer AG	SHIMIZU, Tomoyuki	(72) KATSCHOREK, Haymo
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(73) Compagnie Générale des	LAYER	Scharmüller, Josef, jun.
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(73) Oshkosh Corporation		(73) Konvekta Aktiengesellschaft	(51) B60J 5/04
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TING, Andre	(11) EP3978287	G02F 1/1333
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(11) EP3548322	TANIMURA Koji	(54) VEHICLE INSTRUMENT PANEL
(21) EP17876607.7	NAGAMI Tadashi	(73) LG Electronics Inc.
(47) 14.06.2023	(51) B60K 7/00	(72) KANG, Kyungpil
(87) US2017063852	F16H 3/00	SOHN, Yongjoon
07.06.2018	B60K 1/02	(31) 20170148036
(22) 30.11.2017	(11) EP3953203	(32) 08.11.2017
(54) ELECTRIC AXLE TRANSMISSION FOR	(21) EP20712529.5	(33) Korea (Republic)
ELECTRIC AND HYBRID ELECTRIC	(47) 14.06.2023	(51) B60K 37/06
VEHICLES	(87) EP2020057319	B60K 35/00
(73) Dana Limited	15.10.2020	G05G 1/08
(72) KUMAR, Krishna	(22) 17.03.2020	G05G 1/02
WALTZ, William, F.	(54) VEHICLE AXLE FOR A MOTOR	(11) EP3194197
(31) 201762452714 P	VEHICLE	(21) EP15749762.9
201662434015 P	(73) MAN Truck & Bus SE	(47) 14.06.2023
201662428127 P	(72) WEBER, Maximilian	(87) EP2015067831
(32) 31.01.2017	REITER, Thomas	24.03.2016
14.12.2016	TRAYTEL, Larysa	(22) 03.08.2015
30.11.2016	MOSER, Klaus Johann	(54) DISPLAY AND OPERATING DEVICE,
(33) United States of America	WÖRMANN, Peter	ESPECIALLY FOR A MOTOR VEHICLE,
United States of America	ZORNEK, Bernd	OPERATING ELEMENT, AND MOTOR
United States of America	(31) 102019109159	VEHICLE
(51) B60K 1/04	(32) 08.04.2019	(73) Bayerische Motoren Werke
(11) EP4032734	(33) Germany	Aktiengesellschaft
(21) EP21215314.2	(51) B60K 11/04	(72) RÖLLE, Christopher
(47) 14.06.2023	B60K 11/08	RÜMELIN, Sonja
(22) 16.12.2021	A01D 41/12	(31) 102014218493
(54) MOUNTING STRUCTURE FOR	F01P 11/12	(32) 16.09.2014
ELECTRIC COMPONENT	(11) EP3756440	(33) Germany
(73) Suzuki Motor Corporation	(21) EP19182256.8	(51) B60L 3/00
(72) Obara, Akihiro	(47) 14.06.2023	B60L 50/64
Hoshino, Shinichi	(22) 25.06.2019	B60L 58/10
Sanada, Ayumu	(54) MOVING DUST SCREEN FOR A	H01M 50/249
(31) 2021006978	COOLER OF A WORK VEHICLE	H01M 50/574
(32) 20.01.2021	(73) CNH Industrial Belgium N.V.	H01M 50/578
(33) Japan	(72) Neyrinck, Bert	H01M 50/579
(51) B60K 6/28	(51) B60K 13/04	H01M 50/581
B60L 15/00	B60K 15/04	H01M 10/42

H01M 10/48	(54) System and method for operation of electric and hybrid vehicles	SENGBUSCH, Falco
H02J 7/00	(31) 102014200290	(31) 102014200290
(11) EP3259792	(73) General Electric Company	(32) 10.01.2014
(21) EP16704459.3	(72) Xue, Ya	(33) Germany
(47) 14.06.2023	Salasoo, Lembit	(51) B60L 53/22
(87) EP2016053223	Richter, Timothy Gerard	B60L 1/00
25.08.2016	Yan, Weizhong	B60L 50/60
(22) 16.02.2016	(31) 719921	B60L 53/20
(54) BATTERY CELL FOR A BATTERY OF A MOTOR VEHICLE, BATTERY, AND MOTOR VEHICLE	(32) 09.03.2010	(11) EP3623207
(73) Audi AG	(33) United States of America	(21) EP19196121.8
(72) HINTERBERGER, Michael	(51) B60L 15/20	(47) 14.06.2023
HELLENTHAL, Berthold	B60L 9/18	(22) 09.09.2019
(31) 102015002070	B60L 7/24	(54) VEHICLE POWER SUPPLY DEVICE
(32) 18.02.2015	(11) EP3514003	(73) Yazaki Corporation
(33) Germany	(21) EP17850610.1	(72) MARUYAMA, Akinori
(51) B60L 3/04	(47) 14.06.2023	(31) 2018171466
B60L 9/00	(87) JP2017029335	(32) 13.09.2018
(11) EP3575127	22.03.2018	(33) Japan
(21) EP18174730.4	(22) 15.08.2017	(51) B60L 53/30
(47) 14.06.2023	(54) CONTROL DEVICE OF ELECTRICALLY DRIVEN VEHICLE, CONTROL SYSTEM OF ELECTRICALLY DRIVEN VEHICLE, AND METHOD FOR CONTROLLING ELECTRICALLY DRIVEN VEHICLE	(11) EP3238977
(22) 29.05.2018	(73) Hitachi Astemo, Ltd.	(21) EP17165168.0
(54) DRIVE SYSTEM FOR A RAIL VEHICLE WITH A SECONDARY TRANSFORMER- SIDE SHORT-CIRCUIT PROTECTION DEVICE	(72) SUZUKI, Keisuke	(47) 14.06.2023
(73) Siemens Mobility GmbH	KANEKO, Satoshi	(22) 06.04.2017
(72) Bakran, Mark-Matthias	TAKAHASHI, Kazuya	(54) POWER SUPPLY ASSEMBLY INTENDED FOR RECHARGING ELECTRIC BATTERIES OF ELECTRIC VEHICLES
Böhmer, Jürgen	(31) 2016181333	(73) Nexans
Helsper, Martin	(32) 16.09.2016	(72) ANDRE, Patrick
Krafft, Eberhard Ulrich	(33) Japan	(31) 1653634
Laska, Bernd	(51) B60L 50/51	(32) 25.04.2016
Nagel, Andreas	B60L 58/31	(33) France
Schönewolf, Stefan Hans Werner	B60L 58/40	(51) B60L 53/63
Weigel, Jan	B60L 50/75	B60L 53/64
(51) B60L 9/12	(11) EP3507129	B60L 53/66
B60L 15/20	(21) EP17754097.8	B60L 58/13
B60L 9/28	(47) 14.06.2023	G06Q 10/06
H02M 1/14	(87) EP2017069279	G06Q 50/06
H02M 1/12	08.03.2018	G06Q 50/30
H02M 3/335	(22) 31.07.2017	H02J 7/00
(11) EP3860875	(54) DRIVE SYSTEM, IN PARTICULAR FOR A VEHICLE, AND METHOD FOR HEATING A DRIVE SYSTEM	(11) EP3871311
(21) EP19802238.6	(73) Robert Bosch GmbH	(21) EP19786618.9
(47) 14.06.2023	(72) BEULICH, Klaus	(47) 14.06.2023
(87) FR2019052293	(31) 102016216324	(87) EP2019078317
09.04.2020	(32) 30.08.2016	30.04.2020
(22) 27.09.2019	(33) Germany	(22) 18.10.2019
(54) ON-BOARD SYSTEM AND METHOD FOR CONVERTING MEDIUM-VOLTAGE POWER FOR A TRANSPORT VEHICLE	(51) B60L 53/16	(54) METHOD FOR CHARGING A BATTERY PACK AT A CHARGING STATION
(73) Supergrid Institute	B60L 53/18	(73) Renault s.a.s
Ecole Centrale de Lyon	B60L 53/30	NISSAN MOTOR CO., LTD.
(72) STACKLER, Caroline	B60L 53/35	(72) ASTORG, Marine
MOREL, Florent	B60L 53/36	DREUMONT, Thomas
WALLART, François	H01R 13/631	ROLLAND, Thibaud
(31) 1859188	(11) EP3092147	(31) 1859928
(32) 03.10.2018	(21) EP14799439.6	(32) 26.10.2018
(33) France	(47) 14.06.2023	(33) France
(51) B60L 15/00	(87) EP2014074735	(51) B60L 53/66
B60W 40/06	16.07.2015	(11) EP2883739
B60W 20/00	(22) 17.11.2014	(21) EP12882691.4
B60W 30/18	(54) ELECTRIC CHARGING DEVICE, ELECTRIC CONNECTION DEVICE, SYSTEM AND METHOD FOR CHARGING A VEHICLE BATTERY	(47) 14.06.2023
(11) EP2368751	(73) Robert Bosch GmbH	(87) JP2012005091
(21) EP11152128.2	(72) KILIC, Ahmet	13.02.2014
(47) 14.06.2023	KUFNER, Annika Carolin	(22) 10.08.2012
(22) 25.01.2011		(54) ELECTRIC VEHICLE
		(73) Panasonic Intellectual Property Management Co., Ltd.
		(72) YANAGAWA, Makoto
		KASITANI, Tokiko

MORIOKA, Takahiro	(22) 26.11.2021	(22) 10.04.2018
(51) B60L 58/20	(54) CHILD CAR SEAT	(54) VEHICLE CONTROL METHOD
B60L 53/20	(73) L'Inglesina Baby S.p.A.	(73) ZKW Group GmbH
(11) EP3052337	(72) GORZA, Roberto	(72) PARK, Sangshin
(21) EP14759221.6	SCALDAFERRO, Dario	NA, Taeyoung
(47) 14.06.2023	TOMASI, Ivan	(31) 20170046215
(87) EP2014069048	DAL MASO, Paolo	(32) 10.04.2017
09.04.2015	(31) 202000029648	(33) Korea (Republic)
(22) 08.09.2014	(32) 03.12.2020	(51) B60R 16/03
(54) DEVICE FOR SUPPLYING A	(33) Italy	(11) EP3964403
VOLTAGE TO AN ELECTRIC VEHICLE	(51) B60N 2/30	(21) EP21192266.1
COMPRISING A PERMANENT MAIN	B60N 2/06	(47) 14.06.2023
BATTERY AND A REPLACEABLE	B60N 2/005	(22) 20.08.2021
AUXILIARY BATTERY	B60N 2/07	(54) METHOD AND CONTROL DEVICE FOR
(73) Bayerische Motoren Werke	B60N 2/08	REDUCING OPERATING HOURS OF
Aktiengesellschaft	B60N 2/36	ELECTRICAL CONSUMERS OF AN ON-
(72) LOPEZ DE ARROYABE, Jose	(11) EP3873775	BOARD NETWORK
(31) 102013219967	(21) EP19722831.5	(73) MAN Truck & Bus SE
(32) 01.10.2013	(47) 14.06.2023	(72) Braun, Reimar
(33) Germany	(87) EP2019061062	(31) 102020123044
(51) B60N 2/00	07.05.2020	(32) 03.09.2020
B60R 21/015	(22) 30.04.2019	(33) Germany
B60R 22/48	(54) ADJUSTING DEVICE FOR MOVING A	(51) B60R 21/02
B60R 21/01	SEAT, MOTOR VEHICLE AND METHOD	B60P 7/14
(11) EP3552868	FOR MOVING A SEAT	(11) EP3853077
(21) EP19166723.7	(73) API CZ s.r.o.	(21) EP19774150.7
(47) 14.06.2023	(72) BARTOS, Miroslav	(47) 14.06.2023
(22) 02.04.2019	(31) 202018106201 U	(87) FR2019051990
(54) DETECTION SYSTEM FOR VEHICLE	(32) 30.10.2018	26.03.2020
(73) Yazaki Corporation	(33) Germany	(22) 29.08.2019
(72) KOMINATO, Yasuhiro	(51) B60N 3/02	(54) ATTACHMENT DEVICE FOR A UTILITY
NAKAMURA, Goro	B61D 49/00	VEHICLE
KUNITACHI, Tadahide	(11) EP3484747	(73) PSA Automobiles SA
MATSUSHITA, Kenji	(21) EP17768072.5	(72) VIRY, Patrick
(31) 2018074593	(47) 14.06.2023	DONNADIEU, Frederic
(32) 09.04.2018	(87) EP2017072825	VAZQUEZ, Ruben
(33) Japan	22.03.2018	VÁZQUEZ SABARIEGO, José Ignacio
(51) B60N 2/20	(22) 12.09.2017	(31) 1858375
B60N 2/879	(54) HOLDING ROD DEVICE FOR	(32) 18.09.2018
(11) EP3699024	FASTENING TO THE CEILING OF A	(33) France
(21) EP20157329.2	VEHICLE	(51) B60R 21/02
(47) 14.06.2023	(73) Siemens Mobility GmbH	B60P 7/14
(22) 14.02.2020	(72) KEHL, Tobias	B61D 45/00
(54) SEAT FOR A VEHICLE	(31) 102016217740	(11) EP3833579
(73) Seat, S.A.	(32) 16.09.2016	(21) EP19748868.7
(72) CAPELLA SALA, Marc	(33) Germany	(47) 14.06.2023
VÁZQUEZ IGLESIAS, Rodrigo Germán	(51) B60P 1/52	(87) FR2019051724
SILVA FERNÁNDEZ, Juan Manuel	B65G 65/00	13.02.2020
(31) 201930162	(11) EP3687855	(22) 09.07.2019
(32) 25.02.2019	(21) EP18759913.9	(54) FIXATION ADJUSTING DEVICE FOR
(33) Spain	(47) 14.06.2023	COMMERCIAL VEHICLE
(51) B60N 2/22	(87) EP2018072500	(73) PSA Automobiles SA
B60N 2/02	04.04.2019	(72) VIRY, Patrick
(11) EP4015300	(22) 21.08.2018	VAZQUEZ, Ruben
(21) EP21210534.0	(54) DEVICE FOR LOAD TRANSFER	VAZQUEZ SABARIEGO, José Ignacio
(47) 14.06.2023	(73) LR Intralogistik GmbH	(31) 1857369
(22) 25.11.2021	(72) BERGHAMMER, Fritz	(32) 07.08.2018
(54) VEHICLE SEAT WITH BACKREST	(31) 102017122704	(33) France
(73) GRAMMER AG	(32) 29.09.2017	(51) B60R 25/24
(72) Haller, Erwin	(33) Germany	B60R 25/02
(31) 102020134186	(51) B60Q 11/00	B62K 23/02
(32) 18.12.2020	G01M 11/06	(11) EP3774457
(33) Germany	B60Q 1/08	(21) EP19781934.5
(51) B60N 2/28	B60Q 1/14	(47) 14.06.2023
(11) EP4008583	F21S 41/663	(87) IN2019050285
(21) EP21210818.7	(11) EP3388814	10.10.2019
(47) 14.06.2023	(21) EP18166478.0	(22) 06.04.2019
	(47) 14.06.2023	(54) KEYLESS LOCK FOR VEHICLES

(73) Minda Corporation Limited	(33) Japan	STEINBERGER, Jürgen
(72) PURI, Vikram	(51) B60T 7/12	(31) 102018123997
GOSWAMI, Deepak	G08G 1/16	(32) 28.09.2018
RAJESH, Kumar	(11) EP3415383	(33) Germany
(31) 201811013157	(21) EP18176600.7	(51) B60T 8/36
(32) 06.04.2018	(47) 14.06.2023	(11) EP4079587
(33) India	(22) 07.06.2018	(21) EP21206454.7
(51) B60S 3/06	(54) METHOD AND DEVICE FOR	(47) 14.06.2023
A46B 9/02	CREATING A WARNING SIGNAL OF A	(22) 04.11.2021
(11) EP3213969	STRONG BRAKING EVENT	(54) STRADDLED VEHICLE
(21) EP17156850.4	(73) Wiemann, Hartmut	(73) Yamaha Hatsudoki Kabushiki Kaisha
(47) 14.06.2023	Wiemann, Ralph	(72) Ito, Masato
(22) 20.02.2017	Espig, Christina	Ozawa, Toshiaki
(54) ROTARY BRUSH FOR WASHING	(72) Wiemann, Hartmut	(31) 2021073163
SYSTEMS, PARTICULARLY FOR	(31) 102017005833	(32) 23.04.2021
VEHICLES	(32) 16.06.2017	(33) Japan
(73) Favagrossa Edoardo S.r.l.	(33) Germany	(51) B60T 8/88
(72) FAVAGROSSA, Leonardo	(51) B60T 7/16	B60T 13/66
(31) UB20161197	B60T 13/68	B62D 9/00
(32) 01.03.2016	(11) EP3817955	(11) EP3724043
(33) Italy	(21) EP19737013.3	(21) EP18833844.6
(51) B60T 1/00	(47) 14.06.2023	(47) 14.06.2023
B60T 7/10	(87) EP2019067044	(87) EP2018084735
F16D 63/00	09.01.2020	20.06.2019
(11) EP4071007	(22) 26.06.2019	(22) 13.12.2018
(21) EP21167642.4	(54) HYDRAULIC BRAKING	(54) ELECTRICAL EQUIPMENT OF A
(47) 14.06.2023	ARRANGEMENT FOR OFF-ROAD	VEHICLE HAVING REDUNDANT ABS
(22) 09.04.2021	VEHICLES	AND DRIVING DYNAMICS CONTROL
(54) BLOCKING DEVICE, BRAKE GEAR	(73) CNH Industrial Italia S.p.A.	(73) KNORR-BREMSE Systeme für
WITH SUCH A BLOCKING DEVICE	(72) DIGESU', Pasquale	Nutzfahrzeuge GmbH
AND SERVICE AND/OR PARKING	(31) 201800006929	(72) RÖTHER, Friedbert
BRAKE	(32) 04.07.2018	HECKER, Falk
(73) IMS Gear SE & Co. KGaA	(33) Italy	MUSTAPHA, Adnan
(72) Stöhr, Johannes	(51) B60T 8/17	SCHWAB, Frank
Gruher, Fabian	B60T 8/32	STEINBERGER, Jürgen
Synovzik, Wilfried	(11) EP3957527	(31) 102017011611
(51) B60T 7/04	(21) EP20722648.1	(32) 15.12.2017
B60T 8/17	(47) 14.06.2023	(33) Germany
B60T 13/66	(87) IB2020053220	(51) B60T 13/68
(11) EP3650292	29.10.2020	B60T 13/04
(21) EP19204221.6	(22) 03.04.2020	B60T 13/58
(47) 14.06.2023	(54) CONTROL SYSTEM FOR	(11) EP3943351
(22) 21.10.2019	CONTROLLING BEHAVIOUR OF A	(21) EP21189016.5
(54) METHOD FOR CHECKING THE	STRADDLE-TYPE VEHICLE AND	(47) 14.06.2023
OPERATION OF AN ELECTRONIC	CONTROL METHOD	(22) 20.05.2015
BRAKING SYSTEM OF A VEHICLE	(73) Robert Bosch GmbH	(54) ELECTRIC PARKING BRAKE
CONTROLLED WITH COMPRESSED	(72) TAKAHASHI, Yoshiki	(73) KNORR-BREMSE Systeme für
AGENT	KANEKO, Shoichiro	Nutzfahrzeuge GmbH
(73) ZF CV Systems Europe BV	(31) 2019077213	(72) LEINUNG, Andreas
(72) KLOSTERMANN, Thilo	(32) 15.04.2019	SCHNITTGER, Karsten
LÖLL, Jann	(33) Japan	(31) 102014107218
SCHMIDT, Jakob Friedrich	(51) B60T 8/32	(32) 22.05.2014
DOMBEK, Dominika	B60T 8/36	(33) Germany
(31) 102018127813	(11) EP3856590	(51) B60T 17/22
(32) 07.11.2018	(21) EP19769779.0	B60T 8/17
(33) Germany	(47) 14.06.2023	(11) EP3720746
(51) B60T 7/12	(87) EP2019074607	(21) EP18808285.3
B60W 30/18	02.04.2020	(47) 14.06.2023
(11) EP3686070	(22) 16.09.2019	(87) EP2018082104
(21) EP19220252.1	(54) PNEUMATIC PRESSURE CONTROL	13.06.2019
(47) 14.06.2023	MODULE EMBEDDED WITH AN	(22) 21.11.2018
(22) 31.12.2019	INERTIAL SENSOR ON A COMMON	(54) METHOD FOR CARRYING OUT A
(54) VEHICLE CONTROL DEVICE	UNIT	BRAKING TEST AT AT LEAST ONE
(73) Toyota Jidosha Kabushiki Kaisha	(73) KNORR-BREMSE Systeme für	ELECTROMAGNETIC RAIL BRAKE
(72) YOKOTA, Takahiro	Nutzfahrzeuge GmbH	UNIT OF A RAIL VEHICLE
(31) 2019009686	(72) EISENBERGER, Andreas	(73) Bombardier Transportation GmbH
(32) 23.01.2019	HERGES, Michael	(72) HEIDRICH, Peter
	HUBER, Christoph	RÖSSLING, Brigitte

(31) 102017129253	(33) Japan	B60W 60/00
(32) 08.12.2017	(51) B60W 30/06	B60W 30/18
(33) Germany	G06K 9/00	B60K 28/02
(51) B60W 10/08	G01C 21/36	(11) EP3854649
B60K 6/48	B62D 15/02	(21) EP19876889.7
B60K 6/547	H04W 4/44	(47) 14.06.2023
B60W 10/06	H04W 4/021	(87) JP2019041686
B60W 20/15	G06V 20/56	30.04.2020
B60W 30/20	(11) EP3885215	(22) 24.10.2019
B60W 50/00	(21) EP19910969.5	(54) AUTONOMOUS VEHICLE
(11) EP3575164	(47) 14.06.2023	(73) Yamaha Hatsudoki Kabushiki Kaisha
(21) EP18756736.7	(87) CN2019093475	(72) KURANUKI, Yoshiki
(47) 14.06.2023	30.07.2020	FUJII, Hokuto
(87) JP2018006649	(22) 28.06.2019	(31) 2018230439
30.08.2018	(54) PARKING ASSISTANCE METHOD	PCT/JP2018/039559
(22) 23.02.2018	BASED ON SERVICE DEVICE, AND	(32) 07.12.2018
(54) DRIVING FORCE CONTROL METHOD	SERVICE DEVICE	24.10.2018
AND DEVICE FOR HYBRID VEHICLE	(73) Guangzhou Xiaopeng Motors Technology	(33) Japan
(73) Mazda Motor Corporation	Co., Ltd.	World Intellectual Property Office (WIPO)
(72) GOTO, Tsuyoshi	(72) LIU, Yu	(51) B60W 40/10
NISHIMURA, Hirofumi	FU, Qunyu	B60W 40/068
FURUSHO, Kentaro	LAI, Yi	B60W 40/114
ENOKIZONO, Yuta	LUO, Gongwu	B60W 40/072
YAMAMOTO, Wataru	(31) 201910053207	(11) EP3733474
(31) 2017032122	(32) 21.01.2019	(21) EP20168247.3
(32) 23.02.2017	(33) China	(47) 14.06.2023
(33) Japan	(51) B60W 30/14	(22) 06.04.2020
(51) B60W 30/06	B60W 50/08	(54) DETERMINATION OF CURVE
B60R 21/00	B60W 50/14	DIRECTION FOR A VEHICLE
B60W 10/04	(11) EP2883770	(73) Volkswagen Aktiengesellschaft
B60W 10/06	(21) EP14002668.3	(72) Laumanns, Nando
B60W 10/18	(47) 14.06.2023	(31) 102019205922
B60W 10/184	(22) 31.07.2014	(32) 25.04.2019
B62D 6/00	(54) METHOD FOR USE OF A SPEED	(33) Germany
B60W 50/14	CONTROL SYSTEM IN A VEHICLE	(51) B60W 40/10
B60W 30/14	(73) MAN Truck & Bus SE	B60W 50/14
B62D 15/02	(72) Hoffmann, Guido	B60W 30/12
B60W 30/188	(31) 102013021006	B62D 15/02
(11) EP3330146	(32) 13.12.2013	(11) EP3980308
(21) EP16832692.4	(33) Germany	(21) EP20719208.9
(47) 14.06.2023	(51) B60W 40/04	(47) 14.06.2023
(87) JP2016070361	B60W 60/00	(87) EP2020061130
09.02.2017	B60W 50/023	10.12.2020
(22) 11.07.2016	B60W 30/00	(22) 22.04.2020
(54) PARKING ASSIST DEVICE FOR	G05D 1/00	(54) METHOD FOR CALCULATING THE
VEHICLE	B60W 50/00	LATERAL POSITION OF A MOTOR
(73) Hitachi Astemo, Ltd.	(11) EP3935463	VEHICLE
(72) FUKUSHIMA, Yuuji	(21) EP20706126.8	(73) Renault s.a.s
TANIMICHI, Taisetsu	(47) 14.06.2023	NISSAN MOTOR Co., Ltd.
SARUWATARI, Masayuki	(87) EP2020053258	(72) GERMAIN, Guillaume
(31) 2015151454	10.09.2020	BOT, Ludovic
(32) 31.07.2015	(22) 10.02.2020	QUILLIARD, Raphael
(33) Japan	(54) METHOD AND DEVICE FOR	(31) 1906049
(51) B60W 30/06	OPERATING AN AUTOMATED	(32) 06.06.2019
B62D 15/02	VEHICLE	(33) France
(11) EP4046883	(73) Robert Bosch GmbH	(51) B60W 50/00
(21) EP22151178.5	(72) ARRAMON, Stephanie	B60W 30/18
(47) 14.06.2023	RAU, Svetlana	(11) EP3650297
(22) 12.01.2022	FOURNIER, Norman	(21) EP18205225.8
(54) AUTOMATED VALET PARKING	VANDOMMELE, Tjark	(47) 14.06.2023
SYSTEM, CONTROL METHOD OF	WILHELM, Ulf	(22) 08.11.2018
AUTOMATED VALET PARKING	(31) 102019202925	(54) METHOD AND APPARATUS FOR
SYSTEM, AND AUTONOMOUS	(32) 05.03.2019	DETERMINING INFORMATION
DRIVING VEHICLE	(33) Germany	RELATED TO A LANE CHANGE OF A
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(51) B60W 40/08	TARGET VEHICLE, AND COMPUTER
(72) MARUIWA, Nobutsugu	B60N 2/90	PROGRAM
(31) 2021024458	B60R 11/04	(73) Bayerische Motoren Werke
(32) 18.02.2021	B60W 30/00	Aktiengesellschaft

(72) Nagaraja, Naveen Shankar Scheel, Oliver Schwarz, Loren	(33) Germany	06.02.2020
(51) B60W 50/10 G08G 1/16 B60W 30/18 B60W 50/14 B60W 60/00	(51) B62D 5/04 B62D 6/00	(22) 05.07.2019 (54) VEHICLE WITH REAR UNDERFLOOR DEFLECTOR HAVING A CHAMFER
(11) EP3838700 (21) EP18929862.3 (47) 14.06.2023 (87) JP2018030214 20.02.2020 (22) 13.08.2018	(11) EP3988427 (21) EP21194584.5 (47) 14.06.2023 (22) 02.09.2021 (54) STEER-BY-WIRE STEERING SYSTEM FOR A TWO-TRACK VEHICLE	(73) PSA Automobiles SA (72) BERTH, Stéphane (31) 1857237 (32) 02.08.2018 (33) France
(54) VEHICLE TRAVEL CONTROL METHOD AND TRAVEL CONTROL DEVICE (73) NISSAN MOTOR CO., LTD. (72) HAYAKAWA, Yasuhisa OKI, Takahiko	(73) Audi AG (72) Minninger, Arne (31) 102020127661 (32) 21.10.2020 (33) Germany	(51) B62D 53/02 E02F 3/627 E02F 3/633 E02F 9/08 B62D 21/18
(51) B60W 60/00 B60W 50/023 B60W 50/029 G06F 11/20 G05D 1/00	(51) B62D 21/03 B62D 24/04 (11) EP3810489 (21) EP20757259.5 (47) 14.06.2023 (87) EP2020072570 18.03.2021 (22) 12.08.2020 (54) CHASSIS AND UTILITY VEHICLE (73) Rheinmetall MAN Military Vehicles	(11) EP3954598 (21) EP21153650.3 (47) 14.06.2023 (22) 24.03.2016 (54) A WHEEL LOADER FRONT UNIT AND A WHEEL LOADER (73) Volvo Construction Equipment AB (72) ROSENPEK, Norbert OHLSSON, Johan
(11) EP3665061 (21) EP18782848.8 (47) 14.06.2023 (87) US2018050542 21.03.2019 (22) 12.09.2018	(72) Österreich GesmbH (72) SCHLEGEL, Christoph (31) 102019124460 (32) 11.09.2019 (33) Germany	(51) B62D 53/08 (11) EP4051561 (21) EP20811603.8 (47) 14.06.2023 (87) EP2020083034 17.06.2021
(54) FAULT-TOLERANT CONTROL OF AN AUTONOMOUS VEHICLE WITH MULTIPLE CONTROL LANES (73) UATC, LLC (72) GREENFIELD, Aaron L. YANAKIEV, Diana TSCHANZ, Frederic	(51) B62D 25/04 (11) EP3728001 (21) EP18766321.6 (47) 14.06.2023 (87) FR2018052081 04.04.2019 (22) 20.08.2018 (54) STRENGTHENED A-PILLAR FOR A VEHICLE (73) PSA Automobiles SA (72) MAGAS, Mihaela Maria DIAW, Baye	(22) 23.11.2020 (54) KINGPIN ASSEMBLY AND BEND ANGLE MEASUREMENT SYSTEM (73) SAF-HOLLAND GmbH (72) KÜBLER, Randy KÖSTER, Mario Sebastian ROTHENBÜCHER, Daniel (31) 102019134012 (32) 11.12.2019 (33) Germany
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(51) B61G 9/00 (11) EP4112415 (21) EP21182845.4 (47) 14.06.2023 (22) 30.06.2021 (54) COUPLING DEVICE WITH CLAMP (73) Pieringer, Peter Jonathan Jussel, Wolf Dieter Scala, Christoph	(51) B62D 29/00 B62D 25/02 (11) EP3960592 (21) EP21197968.7 (47) 14.06.2023 (22) 25.06.2019 (54) METHOD FOR MANUFACTURING AN UNITARY BODY SIDE STRUCTURAL FRAME OF A VEHICLE AND CORRESPONDING UNITARY BODY SIDE STRUCTURAL FRAME (73) AUTOTECH ENGINEERING, S.L. (72) MECA MARTINEZ, Marti VALENCIA CARRIO, Xavier	(31) 201816121011 (32) 04.09.2018 (33) United States of America
(51) B62B 3/16 F16B 7/04 F16B 19/02 (11) EP3470298 (21) EP18000490.5 (47) 14.06.2023 (22) 01.06.2018 (54) STACK SECURING FOR TRANSPORT TRUCKS (73) Uwe, Dominik (72) Uwe, Dominik (31) 102017008892 (32) 22.09.2017	(31) 18382467 (32) 25.06.2018 (33) European Patent Office (EPO)	(51) B62J 6/025 B62J 17/02 (11) EP3901015 (21) EP21166955.1 (47) 14.06.2023 (22) 06.04.2021 (54) STRADDLED VEHICLE (73) Yamaha Hatsudoki Kabushiki Kaisha

(72) SAIJO, Yuta	(21) EP17818180.6	(11) EP3604122
(31) 2020075744	(47) 14.06.2023	(21) EP17902568.9
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(21) EP19816447.7	CONTROL AROUND MARINE	(54) AIRCRAFT WITH SUPER HIGH
(47) 14.06.2023	OBJECTS	ASPECT RATIO BASED ON SELF-
(87) IB2019059346	(73) Innovalve B.V.	UNFOLDING FOLDING WING
06.05.2021	(72) BREUR, Hendrik Jacobus Arie	TECHNOLOGY
(22) 31.10.2019	(31) 2018082	(73) Tsinghua University
(54) FRONT FAIRING FOR A SCOOTER	(32) 27.12.2016	(72) CHEN, Haixin
(73) Zapp Electric Vehicles Limited	(33) Netherlands	ZHOU, Xiaopeng
(72) CHATSUWAN, Swin	(51) B63B 39/06	(31) 201710179386
THANATHAWEE, Warin	B63H 25/44	201720294253 U
MUNPRASIT, Namkarn	B63B 1/32	(32) 23.03.2017
(51) B62K 7/04	B63B 1/18	23.03.2017
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(22) 10.01.2020	(54) DEVICE FOR CONTROLLING PITCH,	(47) 14.06.2023
(54) LOAD-CARRYING CYCLE	ROLL AND/OR STEERING OF A BOAT	(22) 31.12.2020
(73) RTI Sports GmbH	(73) Prezip Technology AB	(54) PROPELLER BLADE PITCH ANGLE
(72) GRAEVE, Arndt	(72) OLOFSSON, Niclas	FEEDBACK FROM ACTUATOR
RASCHE, Johannes	(31) 1851212	ROTATION
ARNOLD, Franc	(32) 05.10.2018	(73) Hamilton Sundstrand Corporation
(31) 202019103127 U	(33) Sweden	(72) DANIELSON, David R.
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(33) Germany	(21) EP16723417.8	(51) B64C 13/42
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(47) 14.06.2023	(54) DIVING MASK PROVIDED WITH A	(47) 14.06.2023
(22) 24.01.2020	TELECOMMUNICATIONS DEVICE	(22) 01.02.2021
(54) BICYCLE SPROCKET AND SPROCKET	(73) Decathlon	(54) DUAL-INDEPENDENT HYBRID
ASSEMBLY COMPRISING SUCH A	(72) ARMANI, Stéphane	ACTUATOR SYSTEM
SPROCKET	RAVISE, Antoine	(73) The Boeing Company
(73) Campagnolo S.r.l.	MEILLASSOUX, Olivia	(72) Blanding, David E.
(72) CIVIERO, Mirco	HEMBERT, Grégoire	Coffman, Jeffrey C.
MARCHI, Marco	(31) 1553577	Quiambao, Jimmy M.
LAGOMARSINI, Armando	(32) 21.04.2015	(31) 202016827385
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(32) 29.01.2019	(51) B63H 23/35	(33) United States of America
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(51) B62M 19/00	(21) EP18703919.3	B64C 39/02
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(87) NO2018050113	(73) ZF Friedrichshafen AG	(21) EP16856325.2
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(22) 26.04.2018	(72) DEPENTORI, Paolo	(87) US2016057155
(54) MULTI-TRACK CYCLE	(31) 102017203979	20.04.2017
(73) PODBIKE AS	(32) 10.03.2017	(22) 14.10.2016
(72) SØRENSEN, Per Hassel	(33) Germany	(54) PARACHUTE DEPLOYMENT SYSTEM
(31) 20170707	(51) B64C 3/56	FOR AN UNMANNED AERIAL VEHICLE
(32) 27.04.2017	B64C 3/32	(73) Flirtey Holdings, Inc.
(33) Norway	B64C 3/54	(72) FATHALLAH, Michel
(51) B63B 1/34	B64C 9/00	BADDAM, Kranthi
(11) EP3562737	B64C 39/08	BASS, Tom
	B64D 17/80	SWEENEY, Matthew

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(33) United States of America United States of America	(33) United States of America United States of America United States of America	(21) EP19212726.4 (47) 14.06.2023 (22) 29.11.2019
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(11) EP3362360 (21) EP16856334.4 (47) 14.06.2023 (87) US2016057171 20.04.2017	(11) B64C 3/56 B64F 1/22 B64F 1/24 B64F 1/32 B64C 3/40 B64C 25/52 B64C 25/32 B64D 27/02	(73) The Boeing Company (72) MOVSESIAN, Sami NASH, Scott E (31) 201916254467 (32) 22.01.2019 (33) United States of America
(22) 14.10.2016 (54) PARACHUTE CONTROL SYSTEM FOR AN UNMANNED AERIAL VEHICLE	(73) Flirtey Holdings, Inc. (72) FATHALLAH, Michel SWEENEY, Matthew BASS, Tom BADDAM, Kranthi FOGGIA, John R.	(51) B64D 13/06 (11) EP3511247 (21) EP19151431.4 (47) 14.06.2023 (22) 11.01.2019 (54) FOLDABLE RAM AIR INLET FILTER (73) Honeywell International Inc. (72) XIE, Feng LI, Yao FU, Xiaolei
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(33) United States of America United States of America	(73) Regev, Eyal Gadfin Ltd. (72) REGEV, Eyal (31) 201762540075 P (32) 02.08.2017	(73) Hamilton Sundstrand Corporation (72) RETERSDORF, Alan PESS, Matthew DeFrancesco, Gregory L. (31) 201816130389 (32) 13.09.2018 (33) United States of America
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(22) 16.12.2019	(11) EP3991080	DELIVERING, STORING, AND
(54) NOVEL SHAPE NACELLE ANTI-ICE	(21) EP20742607.3	PROCESSING MATERIALS IN SPACE
NOZZLES TO INCREASE FLOW	(47) 14.06.2023	(73) Orbit Fab, Inc.
MIXING	(87) US2020040094	(72) FABER, Daniel
(73) Rohr, Inc.	30.12.2020	(31) 201862614835 P
(72) KESTLER, Steven M	(22) 29.06.2020	201762595238 P
LOHMAN, Sarah	(54) DATA CONFIGURATION	201762556468 P
MUNOZ, Manuel	MANAGEMENT SYSTEM FOR AN	(32) 08.01.2018
HU, Xiaolan	ENGINE	06.12.2017
FRANCISCO, Jay	(73) General Electric Company	10.09.2017
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(31) 201916399561	DOWDELL, Charles William	United States of America
(32) 30.04.2019	(31) 201916454929	United States of America
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B64C 3/18	(51) B64D 37/32	A61J 7/00
B64C 3/26	(11) EP3335996	A61J 7/04
(11) EP3725686	(21) EP17207126.8	B65B 57/20
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(22) 13.12.2019	(54) SELECTIVE METHOD OF OPERATION	B65B 35/14
(54) BONDED STRUCTURAL RIB FOR	OF ULLAGE PASSIVATION SYSTEM	B65B 57/18
HEATED AIRCRAFT LEADING EDGE	(73) Hamilton Sundstrand Corporation	G16H 20/13
(73) Goodrich Corporation	(72) RHEAUME, Jonathan	B65G 47/14
(72) DIDYK, Mark James	(31) 201615378687	B65G 47/31
MULLEN, James	(32) 14.12.2016	A61J 7/02
HU, Jin	(33) United States of America	B65B 59/04
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SLANE, Casey	B64F 5/10	(21) EP16838553.2
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(11) EP3848288	(21) EP19755270.6	DISTRIBUTING AND SUPPLYING
(21) EP21150166.3	(47) 14.06.2023	SYSTEM AND AUTOMATIC SOLID-
(47) 14.06.2023	(87) AT2019060246	MEDICINE SEPARATING METHOD
(22) 05.01.2021	27.02.2020	(73) JB MEDICAL, INC.
(54) REAR TIE BETWEEN A MOUNTING	(22) 30.07.2019	(72) YANG, Jibin
STRUT AND A WING OF AN AIRCRAFT	(54) APPARATUS FOR SUPPORTING AN	(31) 201510532075
(73) Airbus Operations (S.A.S.)	AIRCRAFT FUSELAGE	(32) 27.08.2015
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BERJOT, Michael	Mühlfellner, Walter	<hr/>
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B64D 33/02	B64G 1/10	(47) 14.06.2023
F01D 25/14	B64G 1/22	(22) 20.01.2017
F02C 7/18	B64G 1/40	(54) METHOD AND MACHINE FOR
F02K 1/38	B64G 1/64	PRODUCING STERILE SOLUTION
F01D 25/30	B64G 1/24	PRODUCT BAGS
(11) EP3798132	B64G 1/26	(73) Baxter International Inc
(21) EP20199399.5	B64G 1/28	BAXTER HEALTHCARE SA
(47) 14.06.2023	B64G 1/36	(72) Bomgaars, Grant Anthony
(22) 30.09.2020	B64G 1/54	Ranalletta, Joseph Vincent
(54) NACELLE COWL DEFLECTION	B64G 1/62	Ding, Yuanpang Samuel
LIMITER	B64G 1/68	Lo, Ying-Cheng
(73) Rohr, Inc.	(11) EP3681804	Pasmore, Mark Edward
(72) LINDE, Erik	(21) EP18853997.7	Sadowski, Michael Joseph
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(22) 10.09.2019	(47) 14.06.2023	(54) OUTER BAG WITH PRODUCT
(54) SYSTEM AND METHOD FOR	(22) 27.09.2021	THEREIN, PRODUCTION METHOD
PRODUCING PACKAGES	(54) BOX FOR FOOD PRODUCTS ALSO	THEREFOR, AND BAG BODY SUPPLY
(73) ICA S.p.A.	CONTAINING LIQUIDS	METHOD
(72) Rapparini, Gino	(73) Tecnocarta S.A.S.	(73) Seisan Nipponsha, Ltd.
Cristiani, Massimiliano	(72) TOMASSINI, Alessandro	(72) NOGUCHI, Takayuki
(31) 201800008621	(31) 202000022834	(31) 2018080858
(32) 14.09.2018	(32) 28.09.2020	(32) 19.04.2018
(33) Italy	(33) Italy	(33) Japan
(51) B65B 61/24	(51) B65D 6/18	(51) B65D 41/16
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(22) 21.04.2020	(54) ONE-PIECE FOLDING LOGISTICS BOX	B29K 23/00
(54) DEVICE AND METHOD FOR POST-	(73) PA.COTTE SA	B29L 31/56
FORMING THE GABLE SURFACES OF	(72) BLOT, Pierre	B29C 43/18
PACKAGING WITH DIAGONAL GABLE	LIMOUSIN, Damien	B29K 105/00
(73) SIG Combibloc Services AG	MOURRAIN, Denis	B29K 705/00
(72) BREITMAR, Felix	(31) 1904281	(11) EP3722222
RICHTER, Jürgen	(32) 23.04.2019	(21) EP20167569.1
VETTEN, Thomas	(33) France	(47) 14.06.2023
(31) 102019114635	(51) B65D 6/24	(22) 01.04.2020
(32) 31.05.2019	B65D 21/08	(54) CAP FOR CONTAINERS, PLANT,
(33) Germany	(11) EP3630632	METHOD AND FORMING DEVICE FOR
(51) B65D 1/02	(21) EP18727178.8	MAKING SAID CAP
B65D 1/42	(47) 14.06.2023	(73) Pelliconi&C. S.p.a.
B65D 79/00	(87) EP2018061974	(72) LO PICCOLO, Antonino
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(47) 14.06.2023	(54) BOX SYSTEM	(32) 03.04.2019
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(54) SHIPPING/RESHIPING PACKAGING	(54) CONTAINER WITH A BALE ARM	(54) SCREW CAP INTENDED TO REMAIN
UNIT AND PRECUT TEMPLATE FOR	HAVING A TAPERED HINGE PIN	ATTACHED TO A CONTAINER
FORMING THE LATTER	(73) Schoeller Allibert GmbH	AFTER OPENING, CONTAINING IN
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(72) DELMÉE, Emmanuel	(51) B65D 33/25	LIQUID
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THEREOF	Zsenákné Sárközi, Virág	SHAIK, Kareemuddin Mahaboob
(73) Huntsman Petrochemical LLC	Turi, Tibor	AL-NADDAH AL-OTABI, Naif
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CADIC, Lucille	United States of America	(72) KOIVISTO, Bruce Michael
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<p>ACOUSTIC PRESSURE SHOCK WAVES</p> <p>(73) Sanuwave, Inc.</p> <p>(72) Cioanta, Iulian McGhin, Cary</p> <p>(31) 201313866134 201361810858 P</p> <p>(32) 19.04.2013 11.04.2013</p> <p>(33) United States of America United States of America</p> <hr/> <p>(51) E21B 41/00 E21B 43/01</p> <p>(11) EP3428384</p> <p>(21) EP17741410.9</p> <p>(47) 14.06.2023</p> <p>(87) JP2017001500 27.07.2017</p> <p>(22) 18.01.2017</p> <p>(54) GAS COLLECTION METHOD</p> <p>(73) Aoyama, Chiharu</p> <p>(72) AOYAMA Chiharu AOYAMA Daiki</p> <p>(31) 2016009815</p> <p>(32) 21.01.2016</p> <p>(33) Japan</p> <hr/> <p>(51) E21B 41/00 E21B 47/12 E21B 7/06 E21B 4/02</p> <p>(11) EP3902975</p> <p>(21) EP18945139.6</p> <p>(47) 14.06.2023</p> <p>(87) US2018067475 02.07.2020</p> <p>(22) 26.12.2018</p> <p>(54) SYSTEMS AND METHODS FOR RECYCLING EXCESS ENERGY</p> <p>(73) Halliburton Energy Services Inc.</p> <p>(72) RAJAGOPALAN, Satish SCHMIRGEL, Heiko HAY, Rick</p> <hr/> <p>(51) E21B 41/00 G01V 99/00</p> <p>(11) EP3075947</p> <p>(21) EP16305379.6</p> <p>(47) 14.06.2023</p> <p>(22) 31.03.2016</p> <p>(54) METHOD FOR MINING HYDROCARBONS FROM A SEDIMENTARY BASIN, BY MEANS OF A BASIN SIMULATION</p> <p>(73) IFP Energies nouvelles</p> <p>(72) CACAS-STENTZ, Marie-Christine DUCROS, Mathieu ROUCHON, Virgile WOLF, Sylvie</p> <p>(31) 1552919</p> <p>(32) 03.04.2015</p> <p>(33) France</p> <hr/> <p>(51) E21B 43/11 E21B 43/26</p> <p>(11) EP3966424</p> <p>(21) EP19773918.8</p> <p>(47) 14.06.2023</p> <p>(87) IB2019056779 17.12.2020</p> <p>(22) 08.08.2019</p>	<p>(54) HYBRID PHOTONIC-PULSED FRACTURING TOOL AND RELATED METHODS</p> <p>(73) Saudi Arabian Oil Company</p> <p>(72) BATARSEH, Sameeh Issa ASSIRI, Wisam Jamal AL-HARITH, Abdullah M.</p> <p>(31) 201916439405</p> <p>(32) 12.06.2019</p> <p>(33) United States of America</p> <hr/> <p>(51) E21B 43/34 E21B 43/38 E21B 21/06 B07B 13/16</p> <p>(11) EP2404030</p> <p>(21) EP10749405.6</p> <p>(47) 14.06.2023</p> <p>(87) US2010026398 10.09.2010</p> <p>(22) 05.03.2010</p> <p>(54) WELLBORE STRENGTHENING MATERIAL RECOVERY</p> <p>(73) M-I L.L.C.</p> <p>(72) TIMMERMAN, Michael, A. CARR, Brian, S. MARSHALL, James, A.</p> <p>(31) 158217 P</p> <p>(32) 06.03.2009</p> <p>(33) United States of America</p> <hr/> <p>(51) E21B 47/00 E21B 47/02 E21B 49/00</p> <p>(11) EP2917476</p> <p>(21) EP13852677.7</p> <p>(47) 14.06.2023</p> <p>(87) US2013068822 15.05.2014</p> <p>(22) 06.11.2013</p> <p>(54) DOWNHOLE DETERMINATION OF DRILLING STATE</p> <p>(73) Schlumberger Holdings Limited</p> <p>(72) HARMER, Richard ALDRED, Walter David JEFFRYES, Benjamin BOWLER, Adam</p> <p>(31) 201314072677 201261724681 P 201261723740 P</p> <p>(32) 05.11.2013 09.11.2012 07.11.2012</p> <p>(33) United States of America United States of America United States of America</p> <hr/> <p>(51) E21B 49/00</p> <p>(11) EP3475734</p> <p>(21) EP16906458.1</p> <p>(47) 14.06.2023</p> <p>(87) US2016039120 28.12.2017</p> <p>(22) 24.06.2016</p> <p>(54) IMPLEMENTING FREE ADVECTION IN BASIN MODELING</p> <p>(73) Geoquest Systems B.V.</p> <p>(72) VOGT, Christian KLEINE, Adrian</p> <hr/> <p>(51) E21B 49/08 E21B 47/113</p>	<p>G01N 21/552</p> <p>(11) EP3440315</p> <p>(21) EP17779773.5</p> <p>(47) 14.06.2023</p> <p>(87) US2017026210 12.10.2017</p> <p>(22) 05.04.2017</p> <p>(54) GAS DETECTION BASED ON EVANESCENT COUPLING FROM WAVEGUIDES IN BULK SUBSTRATES TO DOWNHOLE FLUIDS</p> <p>(73) Baker Hughes Holdings LLC</p> <p>(72) TACKMANN, Gunnar JUNG, Sebastian KRUSPE, Thomas</p> <p>(31) 201615091992</p> <p>(32) 06.04.2016</p> <p>(33) United States of America</p> <hr/> <p>(51) F01C 19/00 F01C 21/10 F04C 2/344 F04C 15/00 F04C 14/02</p> <p>(11) EP3617447</p> <p>(21) EP19202347.1</p> <p>(47) 14.06.2023</p> <p>(22) 12.04.2016</p> <p>(54) PUMP</p> <p>(73) Schwäbische Hüttenwerke Automotive GmbH</p> <p>(72) Welte, Claus Meinig, Uwe</p> <p>(31) 102015105933</p> <p>(32) 17.04.2015</p> <p>(33) Germany</p> <hr/> <p>(51) F01D 5/18 F01D 9/04</p> <p>(11) EP3196415</p> <p>(21) EP17152667.6</p> <p>(47) 14.06.2023</p> <p>(22) 23.01.2017</p> <p>(54) COOLED TURBINE VANE</p> <p>(73) Rolls-Royce Corporation Rolls-Royce North American Technologies, Inc.</p> <p>(72) Weaver, John Riehle, Bradford</p> <p>(31) 201662286727 P</p> <p>(32) 25.01.2016</p> <p>(33) United States of America</p> <hr/> <p>(51) F01D 5/30 F01D 5/08 F01D 5/28 C04B 35/80 F01D 21/04</p> <p>(11) EP3851640</p> <p>(21) EP21152189.3</p> <p>(47) 14.06.2023</p> <p>(22) 18.01.2021</p> <p>(54) ROTOR ASSEMBLIES FOR A GAS TURBINE ENGINE</p> <p>(73) Raytheon Technologies Corporation</p> <p>(72) ROBERGE, Gary D.</p> <p>(31) 202016796241 202062962636 P 202062962635 P 202062962628 P 202062962640 P</p>
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202062962620 P	(31) 202016796205	(32) 21.12.2018
(32) 20.02.2020	202062962636 P	(33) United States of America
17.01.2020	202062962635 P	(51) F01D 9/04
17.01.2020	202062962628 P	F01D 11/00
17.01.2020	202062962640 P	F01D 25/12
17.01.2020	202062962620 P	(11) EP3976934
17.01.2020	(32) 20.02.2020	(21) EP20739891.8
(33) United States of America	17.01.2020	(47) 14.06.2023
United States of America	17.01.2020	(87) EP2020068226
United States of America	17.01.2020	04.02.2021
United States of America	17.01.2020	(22) 29.06.2020
United States of America	17.01.2020	(54) METHOD FOR MODERNISING A GAS
United States of America	(33) United States of America	TURBINE PLANT AND GAS TURBINE
(51) F01D 5/30	United States of America	PLANT
F01D 5/14	United States of America	(73) Siemens Energy Global GmbH & Co. KG
F01D 5/28	United States of America	(72) KUNTE, Harald
C04B 35/80	United States of America	KUNTE, Robert
(11) EP3851637	United States of America	LEE, Karen
(21) EP21152141.4	(51) F01D 5/30	WAGNER, Michael
(47) 14.06.2023	F01D 5/28	(31) 102019211418
(22) 18.01.2021	C04B 35/80	(32) 31.07.2019
(54) ROTOR ASSEMBLY FOR A GAS	(11) EP3851641	(33) Germany
TURBINE ENGINE	(21) EP21152190.1	(51) F01D 9/06
(73) Raytheon Technologies Corporation	(47) 14.06.2023	F01D 25/12
(72) ROBERGE, Gary D.	(22) 18.01.2021	F02C 1/10
(31) 202016746321	(54) APPARATUS FOR A ROTOR	F02C 6/00
(32) 17.01.2020	ASSEMBLY WITH A ROTATIONAL AXIS	F02C 7/143
(33) United States of America	AND MANUFACTURING METHOD	F02C 9/18
(51) F01D 5/30	(73) Raytheon Technologies Corporation	F04D 17/10
F01D 5/28	(72) ROBERGE, Gary D.	F04D 29/42
C04B 35/80	(31) 202016796227	F04D 29/44
(11) EP3851636	202062962636 P	F04D 29/58
(21) EP21152140.6	202062962635 P	(11) EP3850221
(47) 14.06.2023	202062962628 P	(21) EP19790716.5
(22) 18.01.2021	202062962640 P	(47) 14.06.2023
(54) ROTOR ASSEMBLIES FOR A GAS	202062962620 P	(87) GB2019052860
TURBINE ENGINE	(32) 20.02.2020	16.04.2020
(73) Raytheon Technologies Corporation	17.01.2020	(22) 09.10.2019
(72) ROBERGE, Gary D.	17.01.2020	(54) COMPRESSOR MODULE
(31) 202016796268	17.01.2020	(73) BAE SYSTEMS plc
202062962636 P	17.01.2020	(72) SPAIN, James, William
202062962635 P	17.01.2020	(31) 201816625
202062962628 P	(33) United States of America	(32) 12.10.2018
202062962640 P	United States of America	(33) United Kingdom
202062962620 P	United States of America	(51) F01D 21/00
(32) 20.02.2020	United States of America	F01D 21/12
17.01.2020	United States of America	F02C 7/10
17.01.2020	United States of America	F16K 37/00
17.01.2020	(51) F01D 9/02	F01D 9/06
17.01.2020	F01D 9/06	F01D 25/20
17.01.2020	F01D 25/12	F02C 7/06
(33) United States of America	F01D 25/16	G01M 3/28
United States of America	F01D 25/26	G01M 3/32
United States of America	(11) EP3670840	(11) EP3954877
United States of America	(21) EP19204409.7	(21) EP21180960.3
United States of America	(47) 14.06.2023	(47) 14.06.2023
United States of America	(22) 21.10.2019	(22) 22.06.2021
(51) F01D 5/30	(54) DIFFUSER CASE SUPPORT	(54) SYSTEM AND METHOD FOR
F01D 5/28	STRUCTURE	DETECTION OF EXCESSIVE FLOW IN
C04B 35/80	(73) Raytheon Technologies Corporation	A FLUID SYSTEM
(11) EP3851635	(72) HOUGH, Matthew A.	(73) PRATT & WHITNEY CANADA CORP.
(21) EP21152129.9	HANSON, Russell B.	(72) TOMESCU, Dana
(47) 14.06.2023	TU, John S.	STINA, Nick
(22) 18.01.2021	CROTEAU, Paul F.	(31) 202016912566
(54) ROTOR ASSEMBLY FOR A GAS	SANCHEZ, Paul K.	(32) 25.06.2020
TURBINE ENGINE	HARMON, Stephen C.	(33) United States of America
(73) Raytheon Technologies Corporation	RATHGEB, Joshua C.	(51) F01D 25/10
(72) ROBERGE, Gary D.	(31) 201816228994	F02C 6/00

(11) EP3864257	(54) BLOW-BY GAS FILTRATION	(47) 14.06.2023
(21) EP19790714.0	ASSEMBLY WITH SUPPORT AND	(22) 26.02.2015
(47) 14.06.2023	CONTROL SHAFT	(54) AFTERTREATMENT THERMAL
(87) GB2019052857	(73) UFI Filters S.p.A.	MANAGEMENT STRATEGIES FOR
16.04.2020	(72) GIRONDI, Giorgio	INTERNAL COMBUSTION ENGINES
(22) 09.10.2019	(31) 201900007500	HAVING MULTIPLE CYLINDER BANKS
(54) TURBINE MODULE	(32) 29.05.2019	(73) Cummins Inc.
(73) BAE SYSTEMS plc	(33) Italy	(72) zur Loye, Axel Otto
(72) SPAIN, James, William	(51) F01N 3/021	(31) 201414223325
(31) 201816624	F01N 3/10	(32) 24.03.2014
(32) 12.10.2018	F01N 13/00	(33) United States of America
(33) United Kingdom	(11) EP3674523	(51) F01N 3/20
(51) F01D 25/18	(21) EP19218462.0	F16L 25/01
(11) EP3786420	(47) 14.06.2023	F16L 53/38
(21) EP20191221.9	(22) 20.12.2019	(11) EP3735522
(47) 14.06.2023	(54) EXHAUST GAS TREATMENT SYSTEM	(21) EP18829274.2
(22) 14.08.2020	FOR A COMBUSTION ENGINE	(47) 14.06.2023
(54) DUAL BYPASS FILTER CASCADE	(73) VOLKSWAGEN AG	(87) EP2018084810
(73) Raytheon Technologies Corporation	(72) Car, Onur Ulas	11.07.2019
(72) POLLY, Joseph H.	Paulovsky, Markus	(22) 13.12.2018
LEQUE, Nicholas D.	(31) 102018133634	(54) TUBE SYSTEM FOR THE
(31) 201916555813	(32) 27.12.2018	TRANSPORTATION OF AQUEOUS
(32) 29.08.2019	(33) Germany	REDUCING AGENTS FOR THE
(33) United States of America	(51) F01N 3/025	AFTERTREATMENT OF EXHAUST GAS
(51) F01K 13/02	F01N 3/20	(73) Voss Automotive GmbH
F01K 23/06	(11) EP4036384	(72) SCHWARZKOPF, Otfried
(11) EP3749841	(21) EP21215225.0	ETSCHEID, Tobias
(21) EP19705403.4	(47) 14.06.2023	PLIETSCH, Reinhard
(47) 14.06.2023	(22) 16.12.2021	(31) 102018100006
(87) SE2019050096	(54) HEATING DEVICE FOR AN EXHAUST	(32) 02.01.2018
08.08.2019	SYSTEM OF AN INTERNAL	(33) Germany
(22) 05.02.2019	COMBUSTION ENGINE	(51) F01N 5/02
(54) SYSTEM AND METHOD FOR	(73) Marelli Europe S.p.A.	F02B 7/06
WASTE HEAT RECOVERY IN STEEL	(72) LA SANA, Marco	F02B 39/08
PRODUCTION FACILITIES	MILANI, Emanuele	F02B 41/02
(73) Climeon AB	BRIGNONE, Mauro	F02B 63/04
(72) SACHITANAND, Rakshith	LUBRANO, Luigi	F02B 69/02
ERIKSSON, Daniel	(31) 202100001880	H02K 7/18
(31) 1850128	(32) 29.01.2021	F01K 25/02
(32) 05.02.2018	(33) Italy	F23C 9/08
(33) Sweden	(51) F01N 3/20	(11) EP3610142
(51) F01M 11/00	(11) EP3643893	(21) EP18785090.4
B60K 5/02	(21) EP19204223.2	(47) 14.06.2023
B60K 17/16	(47) 14.06.2023	(87) US2018024444
B60K 17/24	(22) 21.10.2019	18.10.2018
B60K 17/344	(54) DEVICE FOR STORING AND	(22) 27.03.2018
F16H 57/037	PROVIDING AN OPERATING MEANS	(54) COMBINED HEAT AND POWER
F16H 57/04	OF A MOTOR VEHICLE	SYSTEM AND METHOD OF
(11) EP3901430	(73) MAN Truck & Bus SE	OPERATION
(21) EP21163216.1	(72) Pallauf, Andreas	(73) Enexor Energy
(47) 14.06.2023	Wiegert, Andreas	(72) CONDE, Ricardo
(22) 17.03.2021	(31) 102018126737	(31) 201715487666
(54) POWER UNIT DEVICE FOR VEHICLE,	(32) 26.10.2018	(32) 14.04.2017
AND VEHICLE	(33) Germany	(33) United States of America
(73) MAZDA MOTOR CORPORATION	(51) F01N 3/20	(51) F01P 3/10
(72) MURATA, Hideki	F02D 41/02	F01M 1/08
MITO, Eiji	F01N 3/023	(11) EP3649333
(31) 2020076858	F02D 41/00	(21) EP17764642.9
(32) 23.04.2020	F01N 3/035	(47) 14.06.2023
(33) Japan	F01N 13/00	(87) IB2017001041
(51) F01M 13/04	F02B 75/22	10.01.2019
F01M 13/02	F02D 9/04	(22) 07.07.2017
(11) EP3976945	F02B 37/007	(54) A NOZZLE FOR COOLING ENGINE
(21) EP20743246.9	F02B 37/00	PISTONS
(47) 14.06.2023	F02D 11/10	(73) Volvo Truck Corporation
(87) IB2020055059	F02D 41/40	(72) GRANOTTIER, Nicolas
03.12.2020	(11) EP2933452	CUINIER, Catherine
(22) 28.05.2020	(21) EP15156796.3	(51) F02B 23/06

(11) EP3517754	F01D 25/12	(32) 14.02.2018
(21) EP19153697.8	F02C 7/18	(33) United States of America
(47) 14.06.2023	B64D 13/08	(51) F02D 41/02
(22) 25.01.2019	(11) EP3973157	F02D 13/02
(54) ENGINE PISTON	(21) EP20737257.4	F02D 41/14
(73) FPT Motorenforschung AG	(47) 14.06.2023	F02D 41/30
(72) GSTREIN, Wolfgang	(87) FR2020050840	F02D 41/00
HARTER, Michael	26.11.2020	F02D 41/40
(31) 201800001869	(22) 20.05.2020	F02D 41/38
(32) 25.01.2018	(54) POROUS REGULATOR WITH	(11) EP3741976
(33) Italy	INTEGRATED VENTILATION	(21) EP18900924.4
(51) F02B 33/40	(73) Liebherr-Aerospace Toulouse SAS	(47) 14.06.2023
F02B 37/16	(72) MAURY, Damien	(87) JP2018000929
F04D 29/42	LOSSOUARN, David	25.07.2019
F02M 35/10	MANCHO, Jean-Luc	(22) 16.01.2018
F04D 27/02	BREGOLI, Mickael	(54) INTERNAL COMBUSTION ENGINE
(11) EP3760849	ANGELIQUE, Romain	CONTROL METHOD AND INTERNAL
(21) EP18925758.7	(31) 1905314	COMBUSTION ENGINE CONTROL
(47) 14.06.2023	(32) 21.05.2019	DEVICE
(87) JP2018026549	(33) France	(73) NISSAN MOTOR CO., LTD.
16.01.2020	(51) F02C 7/27	Renault s.a.s
(22) 13.07.2018	(11) EP3663563	(72) HAMAMOTO, Takayuki
(54) CENTRIFUGAL COMPRESSOR AND	(21) EP19214583.7	(51) F02D 41/14
TURBO CHARGER	(47) 14.06.2023	F02D 31/00
(73) MITSUBISHI HEAVY INDUSTRIES	(22) 09.12.2019	(11) EP3784895
ENGINE & TURBOCHARGER, LTD.	(54) CASING WITH INTEGRAL CAVITY	(21) EP19727091.1
(72) HAYASHI, Yoshihiro	(73) Raytheon Technologies Corporation	(47) 14.06.2023
FUJITA, Yutaka	(72) BINEK, Lawrence	(87) IB2019053449
IWAKIRI, Kenichiro	BUTCHER, Evan	31.10.2019
(51) F02C 3/14	BOYER, Jesse R.	(22) 26.04.2019
F02C 7/14	SHARMA, OM P.	(54) SPEED CONTROL METHOD FOR AN
F02C 7/224	JAGDALE, Vijay Narayan	INTERNAL COMBUSTION ENGINE
F02C 7/228	DODS, Bryan G.	(73) FPT Industrial S.p.A.
F23R 3/34	(31) 201816213047	(72) CARO, Marcello
(11) EP3832090	(32) 07.12.2018	AIMAR, Bruno
(21) EP19213681.0	(33) United States of America	BRUCATO, Aldo
(47) 14.06.2023	(51) F02C 7/277	(31) 201800004932
(22) 04.12.2019	F01D 19/02	(32) 27.04.2018
(54) GAS TURBINE FOR POWER PLANT	F02C 7/36	(33) Italy
APPLICATIONS WITH PRE-HEATED	F01D 15/10	(51) F02M 21/02
FUEL GAS AND METHOD FOR	F01D 25/12	F02D 19/06
OPERATING THIS GAS TURBINE	(11) EP3872327	F02M 37/46
(73) Ansaldo Energia Switzerland AG	(21) EP21170238.6	B60K 15/03
(72) WERTHWEIN, Pascal	(47) 14.06.2023	F02D 19/02
MEIER, Matthias	(22) 13.02.2017	F02B 43/00
KAMMERER, Albert	(54) ELECTRO-PNEUMATIC GAS TURBINE	(11) EP3467290
DUSOMOS, Gerard	ENGINE MOTORING SYSTEM FOR	(21) EP18196048.5
LI, Xinyuan	BOWED ROTOR ENGINE STARTS	(47) 14.06.2023
(51) F02C 6/08	(73) Hamilton Sundstrand Corporation	(22) 21.09.2018
F02C 7/22	(72) PECH, John T.	(54) ENGINE SYSTEM WITH FUEL
(11) EP3832091	(31) 201662294554 P	MODULE SYSTEM
(21) EP19213685.1	(32) 12.02.2016	(73) Worthington Industries, Inc.
(47) 14.06.2023	(33) United States of America	(72) Rike, James B.
(22) 04.12.2019	(51) F02D 19/06	(31) 201816136646
(54) GAS TURBINE ASSEMBLY FOR	B01D 61/36	201762561548 P
POWER PLANT APPLICATION FED	(11) EP3752726	(32) 20.09.2018
BY AT LEAST TWO DIFFERENT	(21) EP19704086.8	21.09.2017
FUELS (FUEL-GAS OR FUEL-OIL)	(47) 14.06.2023	(33) United States of America
AND A METHOD FOR OPERATING	(87) US2019013130	United States of America
THIS ASSEMBLY WHEN SWITCHING	22.08.2019	(51) F02M 37/00
FUELS OR WHEN OPERATING THIS	(22) 11.01.2019	B60K 15/03
ASSEMBLY WITH FUEL-OIL	(54) ONBOARD FUEL SEPARATION	B60K 15/035
(73) Ansaldo Energia Switzerland AG	FOR OCTANE-ON-DEMAND USING	F02M 25/08
(72) WERTHWEIN, Pascal	MEMBRANE DISTILLATION	(11) EP3779171
MEIER, Matthias	(73) Saudi Arabian Oil Company	(21) EP19785249.4
KAMMERER, Albert	(72) HAMAD, Esam, Z.	(47) 14.06.2023
(51) F02C 7/14	BAAQEL, Husain, A.	(87) JP2019014824
F01D 17/14	(31) 201815896690	17.10.2019

(22) 03.04.2019	(73) VESTAS WIND SYSTEMS A/S	OGAWA, Yoshihiro
(54) VALVE DEVICE	(72) ANDERSEN, Peter Bjørn	SHIRAFUJI, Keigo
(73) Piolax, Inc.	NIELSEN, Thomas S. Bjertrup	FUKUDOME, Kohei
(72) MIHARA Kenta	BAUN, Torben Ladegaard	EJIMA, Takahiro
(31) 2018150777	(31) PA201870511	KURIHARA, Daichi
2018076252	(32) 01.08.2018	TAKAHASHI, Wataru
(32) 09.08.2018	(33) Denmark	(31) 2018008486
11.04.2018	(51) F03D 7/04	(32) 22.01.2018
(33) Japan	F03D 9/25	(33) Japan
Japan	F03D 80/50	(51) F04B 53/16
(51) F03D 1/06	H02J 3/38	F04B 53/20
(11) EP4006335	F03D 7/02	F04B 53/22
(21) EP20210363.6	(11) EP3462018	F04C 13/00
(47) 14.06.2023	(21) EP18196039.4	F04C 15/06
(22) 27.11.2020	(47) 14.06.2023	F04D 1/04
(54) SEGMENTED WIND TURBINE ROTOR	(22) 21.09.2018	F04D 29/42
BLADE	(54) METHODS FOR ADAPTING WIND	F04D 29/70
(73) Nordex Energy SE & Co. KG	FARMS FOR GRID COMPLIANCE	F04D 29/60
(72) Festner, Gerald	(73) General Electric Company	F16D 31/04
Wackrow, Torsten	(72) ZALAR, Jonathan Henry	B60K 11/02
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WITH A PROTECTION AND	(31) 1752675	Kratz, Christian
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<p>(54) METHOD FOR SPECTRALLY-EFFICIENT DETERMINATION OF COLLECTIVE ENVIRONMENT INFORMATION FOR COOPERATIVE AND/OR AUTONOMOUS DRIVING, AND REPORTING VEHICLE AND ADDITIONAL VEHICLE INTENDED TO BE USED IN THE METHOD</p> <p>(73) VOLKSWAGEN AKTIENGESELLSCHAFT</p> <p>(72) Alieiev, Roman Hehn, Dr. Thorsten</p> <p>(31) 102016211750 (32) 29.06.2016 (33) Germany</p> <hr/> <p>(51) G09C 1/00 H04L 9/08</p> <p>(11) EP3839922 (21) EP19849488.2 (47) 14.06.2023 (87) JP2019031476 20.02.2020 (22) 08.08.2019</p> <p>(54) SECURE JOINING SYSTEM, METHOD, SECURE COMPUTING APPARATUS AND PROGRAM</p> <p>(73) NIPPON TELEGRAPH AND TELEPHONE CORPORATION</p> <p>(72) IKARASHI, Dai HAMADA, Koki KIKUCHI, Ryo KIRIBUCHI, Naoto</p> <p>(31) 2018190869 2018152412 (32) 09.10.2018 13.08.2018 (33) Japan Japan</p> <hr/> <p>(51) G09F 9/00 G02F 1/1333 G02F 1/1345</p> <p>(11) EP3855415 (21) EP19881855.1 (47) 14.06.2023 (87) CN2019108592 14.05.2020 (22) 27.09.2019</p> <p>(54) DISPLAY DEVICE</p> <p>(73) HUAWEI TECHNOLOGIES CO., LTD.</p> <p>(72) YANG, Jun YANG, Qingzhi CHUNG, Chia-Hsing ZHEN, Haitao</p> <p>(31) 201811315970 (32) 06.11.2018 (33) China</p> <hr/> <p>(51) G09G 3/20 G09G 5/02</p> <p>(11) EP3479371 (21) EP16871754.4 (47) 14.06.2023 (87) CN2016106846 04.01.2018 (22) 23.11.2016</p> <p>(54) IMAGE PROCESSING APPARATUS AND METHOD FOR CORRECTING COLOR SHIFT IN DISPLAYED IMAGE</p> <p>(73) BOE Technology Group Co., Ltd.</p>	<p>Peking University</p> <p>(72) WU, Yanbing</p> <p>(31) 201610514139 (32) 30.06.2016 (33) China</p> <hr/> <p>(51) G09G 3/20 G09G 5/18</p> <p>(11) EP3786935 (21) EP20152167.1 (47) 14.06.2023 (22) 16.01.2020 (54) METHOD FOR CONTROLLING FRAME REFRESH RATE OF SCREEN, DEVICE AND STORAGE MEDIUM</p> <p>(73) Beijing Xiaomi Mobile Software Co., Ltd.</p> <p>(72) Ji, Donglei ZHONG, Guilin</p> <p>(31) 201910803943 (32) 28.08.2019 (33) China</p> <hr/> <p>(51) G09G 3/3233 G06F 3/041</p> <p>(11) EP3355298 (21) EP16788003.8 (47) 14.06.2023 (87) CN2016073134 30.03.2017 (22) 02.02.2016</p> <p>(54) PIXEL DRIVING CIRCUIT, METHOD, PIXEL CIRCUIT, AND DISPLAY DEVICE</p> <p>(73) BOE Technology Group Co., Ltd. Hefei Xinsheng Optoelectronics Technology Co., Ltd</p> <p>(72) HU, Zuquan</p> <p>(31) 201510604638 (32) 21.09.2015 (33) China</p> <hr/> <p>(51) G09G 3/3266 G09G 3/3225 G09G 3/20 G09G 3/00</p> <p>(11) EP3353771 (21) EP16775055.3 (47) 14.06.2023 (87) US2016052695 30.03.2017 (22) 20.09.2016</p> <p>(54) REDUNDANCY CONFIGURATION OF ROW DRIVER</p> <p>(73) Apple Inc.</p> <p>(72) VAHID FAR, Mohammad B. BAE, Hopil BAROUGH, Mahid Farrokh WANG, Xiaofeng</p> <p>(31) 201562232926 P (32) 25.09.2015 (33) United States of America</p> <hr/> <p>(51) G10D 13/00</p> <p>(11) EP3223273 (21) EP17161344.1 (47) 14.06.2023 (22) 16.03.2017</p> <p>(54) FOOT PEDAL APPARATUS FOR DRUM</p> <p>(73) Yamaha Corporation</p> <p>(72) SHIGENAGA, Fumihiro</p> <p>(31) 2016061835 (32) 25.03.2016</p>	<p>(33) Japan</p> <hr/> <p>(51) G10H 1/36 H04S 7/00 G10K 15/08 G10H 1/00 H04R 1/00</p> <p>(11) EP3547305 (21) EP18382220.4 (47) 14.06.2023 (22) 28.03.2018 (54) REVERBERATION TECHNIQUE FOR AUDIO 3D</p> <p>(73) Fundació Eurecat</p> <p>(72) Garriga Torres, Adan Amor Pérez-López, Andrés Erruz López, Gerard Schmele, Timothy Sayin, Umur De Muyenke, Julien Reppel, Niklas Farran Masana, Antonio</p> <hr/> <p>(51) G10K 11/175 A61B 5/00 A61B 5/369 A61M 21/00 A61M 21/02</p> <p>(11) EP3899925 (21) EP19816741.3 (47) 14.06.2023 (87) EP2019084782 25.06.2020 (22) 12.12.2019</p> <p>(54) A NOISE MASKING DEVICE AND A METHOD FOR MASKING NOISE</p> <p>(73) Koninklijke Philips N.V.</p> <p>(72) VAN DEN ENDE, Daan Anton PASTOOR, Sander Theodoor</p> <p>(31) 18212981 (32) 17.12.2018 (33) European Patent Office (EPO)</p> <hr/> <p>(51) G10K 15/02 G10K 11/32 A01M 29/16 A01K 79/02</p> <p>(11) EP3276615 (21) EP17020320.2 (47) 14.06.2023 (22) 27.07.2017</p> <p>(54) AN ACOUSTIC DEVICE FOR FORMING A WALL OF SOUND UNDERWATER</p> <p>(73) Fish Guidance Systems Limited</p> <p>(72) NEDWELL, Jeremy Ross</p> <p>(31) 201613141 (32) 29.07.2016 (33) United Kingdom</p> <hr/> <p>(51) G10L 15/22 G10L 15/07</p> <p>(11) EP3482391 (21) EP17739435.0 (47) 14.06.2023 (87) US2017039771 11.01.2018 (22) 28.06.2017</p> <p>(54) SYSTEM AND METHOD FOR CUSTOMIZING SMART HOME SPEECH INTERFACES USING PERSONALIZED SPEECH PROFILES</p> <p>(73) DRNC Holdings, Inc.</p>
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(73) Contemporary Amperex Technology Co.,	H01M 4/485	ZENG, Yuqun
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H01M 50/15	(11) EP3956931	(54) LIQUID-INFILTRATED SOLID-STATE ELECTROLYTE AND RECHARGEABLE BATTERIES COMPRISING SAME
H01M 50/176	(21) EP20725863.3	(73) Sila Nanotechnologies Inc.
H01M 50/186	(47) 14.06.2023	
H01M 50/193	(87) FR2020050482	
	22.10.2020	
	(22) 10.03.2020	

(72) YUSHIN, Gleb NITTA, Naoki ROUDEBUSH, John SENDEK, Austin JHULKI, Samik	A62C 35/02 (11) EP4044319 (21) EP20939484.0 (47) 14.06.2023 (87) CN2020129433 27.05.2022	(72) JUNG, Daebong KO, Jeongsik JEONG, Ji-Young (31) 20180130934 (32) 30.10.2018 (33) Korea (Republic)
(31) 201962856706 P 201962837682 P (32) 03.06.2019 23.04.2019	(22) 17.11.2020 (54) FIRE PREVENTION DEVICE, BOX ASSEMBLY, BATTERY, ELECTRIC DEVICE, AND METHOD FOR PRODUCING BATTERY	(51) H01M 10/617 H01M 10/625 H01M 10/647 H01M 10/653 H01M 10/658
(33) United States of America United States of America	(73) Jiangsu Contemporary Ampere Technology Limited	(11) EP3902054 (21) EP21169247.0 (47) 14.06.2023 (22) 19.04.2021 (54) BATTERY MODULE
(51) H01M 10/0567 H01M 10/0525 H01M 10/42 H01G 11/64 H01G 9/035	(72) WU, Kai CHEN, Zhiming LIAO, Boxiang	(73) SK On Co., Ltd. (72) LEE, Yong Hee (31) 20200047564 (32) 20.04.2020 (33) Korea (Republic)
(11) EP3780230 (21) EP19791733.9 (47) 14.06.2023 (87) JP2019009795 31.10.2019	(51) H01M 10/06 H01M 10/42 H01M 4/62 H01M 10/12 H01M 50/454 H01M 50/491 H01M 50/417 H01M 50/434	(51) H01M 50/103 H01M 50/169 (11) EP3745487 (21) EP20164076.0 (47) 14.06.2023 (22) 19.03.2020 (54) SECONDARY BATTERY
(22) 11.03.2019 (54) ELECTROLYTIC SOLUTION, ELECTROCHEMICAL DEVICE, LITHIUM-ION SECONDARY BATTERY, AND MODULE	(11) EP3262701 (21) EP16756435.0 (47) 14.06.2023 (87) US2016019754 01.09.2016	(73) Samsung SDI Co., Ltd. (72) Oh, Dae Sik Park, Jun Hyoung Oh, Yong Seok (31) 20190063249 (32) 29.05.2019 (33) Korea (Republic)
(73) DAIKIN INDUSTRIES, LTD. (72) KUWAJIMA, Yoshiko YAMAUCHI, Akiyoshi SUZUKI, Yuuki KINOSHITA, Masakazu HAYASHI, Kotaro HIDAKA, Tomoya TAKAHASHI, Kenzou	(22) 26.02.2016 (54) IMPROVED WATER LOSS SEPARATORS USED WITH LEAD ACID BATTERIES, SYSTEMS FOR IMPROVED WATER LOSS PERFORMANCE, AND METHODS OF MANUFACTURE AND USE THEREOF	(51) H01M 50/121 H01M 10/52 H01M 10/052 H01M 10/0525 H01M 50/342 H01M 50/119 H01M 50/129 H01M 50/557
(31) 2018083902 (32) 25.04.2018 (33) Japan	(73) Daramic, Llc (72) CHAMBERS, Jeffrey, K. (31) 201562121120 P (32) 26.02.2015 (33) United States of America	(11) EP3518336 (21) EP18768437.8 (47) 14.06.2023 (87) KR2018001838 20.09.2018 (22) 12.02.2018 (54) CASING MATERIAL FOR SECONDARY BATTERY HAVING IMPROVED SAFETY AND SECONDAR BATTERY INCULDING THE SAME
(51) H01M 10/0569 C01B 32/20 C01G 53/00 H01G 11/60 H01M 10/0567 H01G 11/64 H01M 10/0525	(51) H01M 10/48 H01M 10/42 (11) EP3758128 (21) EP19194376.0 (47) 14.06.2023 (22) 29.08.2019 (54) BATTERY MODULE	(73) LG Energy Solution, Ltd. (72) KIM, Dae-Soo KIM, Min-Kyung (31) 20170031307 (32) 13.03.2017 (33) Korea (Republic)
(11) EP3565053 (21) EP17887324.6 (47) 14.06.2023 (87) JP2017041872 05.07.2018	(73) Jiangsu Contemporary Ampere Technology Limited	(51) H01M 50/15 H01M 50/155 H01M 50/176 H01M 50/505 H01M 50/553 H01M 50/209
(22) 21.11.2017 (54) ELECTROLYTIC SOLUTION, ELECTROCHEMICAL DEVICE, LITHIUM-ION SECONDARY CELL, AND MODULE	(72) ZHANG, Hua QIN, Feng WANG, Peng YOU, Zhiyi WANG, Liangyi	(11) EP3511995 (21) EP18172077.2 (47) 14.06.2023
(73) Daikin Industries, Ltd. (72) KINOSHITA, Masakazu TAKAHASHI, Kenzou SAKATA, Hideo YAMAZAKI, Shigeaki ARIMA, Hiroyuki KINOSHITA, Shinichi	(31) 201921005395 U (32) 28.06.2019 (33) China	
(31) 2016253498 (32) 27.12.2016 (33) Japan	(51) H01M 10/613 H01M 10/6562 H01M 10/6566 (11) EP3648243 (21) EP19205071.4 (47) 14.06.2023 (22) 24.10.2019 (54) STRUCTURE AND SYSTEM WITH BATTERY COOLING	
(51) H01M 10/058 H01M 50/383 H01M 50/358 A62C 3/16	(73) Samsung Electronics Co., Ltd.	

(22) 14.05.2018	XIANG, Yanhuo	MANUFACTURING STATIONARY
(54) BATTERY CAP ASSEMBLY, SECONDARY BATTERY AND BATTERY MODULE	(31) 201811629973 (32) 29.12.2018 (33) China	ELECTRIC POWER SYSTEM (73) Nissan Motor Co., Ltd (72) AMAGAI, Ryuichi
(73) Contemporary Amperex Technology Co., Limited	(51) H01M 50/209 H01M 50/213 H01M 50/249	TODOROKI, Naoto IKEZOE, Michinori MOTOHASHI, Toshiyuki NAGASHIMA, Tomio
(72) GUO, Zhijun ZHANG, Jie ZHU, Taosheng WANG, Peng LI, Guowei	(11) EP3544083 (21) EP19162541.7 (47) 14.06.2023 (22) 13.03.2019	(31) 2011208523 2010258294 (32) 26.09.2011 18.11.2010
(31) 201820044608 U (32) 11.01.2018 (33) China	(54) BATTERY ASSEMBLY FOR LOAD BEARING STRUCTURAL INTEGRATION OF BATTERIES IN A VEHICLE	(33) Japan Japan
(51) H01M 50/152 H01M 50/179 H01M 50/528 H01M 50/533 H01M 50/538 H01M 50/559 H01M 50/609 H01M 50/627 H01M 50/636 H01M 10/0525	(73) Airbus Defence and Space GmbH (72) Zimmermann, Kristian Dorn, Florian (31) 102018204420 (32) 22.03.2018 (33) Germany	(51) H01M 50/244 H01M 50/296 H01M 50/287 H01M 50/271 H01M 50/204 (11) EP3813139 (21) EP20827969.5 (47) 14.06.2023 (87) CN2020104678 04.03.2021 (22) 25.07.2020 (54) BATTERY MODULE (73) Contemporary Amperex Technology Co., Limited
(11) EP3916891 (21) EP20808003.6 (47) 14.06.2023 (87) CN2020108155 14.10.2021 (22) 10.08.2020	(11) EP3496179 (21) EP17206212.7 (47) 14.06.2023 (22) 08.12.2017 (54) CONNECTOR FOR A BATTERY PACK (73) Samsung SDI Co., Ltd. (72) EICHBERGER, Georg	(72) LIU, Cunrui HUANG, Yangzhi YAO, Jihua SHEN, Sheng CHEN, Liang (31) 201921384580 U (32) 23.08.2019 (33) China
(54) BATTERY, BATTERY MODULE AND ELECTRIC EQUIPMENT	(51) H01M 50/209 H01M 50/503	(51) H01M 50/296 (11) EP3654402 (21) EP19217740.0 (47) 14.06.2023 (22) 04.04.2017 (54) BATTERY (73) Sony Group Corporation (72) Motoyama, Shigeki Mitani, Atsushi Kumagai, Atsuhiro (31) 2017023420 (32) 10.02.2017 (33) Japan
(73) Contemporary Amperex Technology Co., Limited	(11) EP3675236 (21) EP19206002.8 (47) 14.06.2023 (22) 29.10.2019	(51) H01M 50/296 (11) EP3654402 (21) EP19217740.0 (47) 14.06.2023 (22) 04.04.2017 (54) BATTERY (73) Sony Group Corporation (72) Motoyama, Shigeki Mitani, Atsushi Kumagai, Atsuhiro (31) 2017023420 (32) 10.02.2017 (33) Japan
(72) CHEN, Yuanbao LI, Quankun WANG, Peng JIANG, Lingyan	(11) EP3675236 (21) EP19206002.8 (47) 14.06.2023 (22) 29.10.2019 (54) BATTERY MODULE (73) Contemporary Amperex Technology Co., Limited	(51) H01M 50/296 (11) EP3654402 (21) EP19217740.0 (47) 14.06.2023 (22) 04.04.2017 (54) BATTERY (73) Sony Group Corporation (72) Motoyama, Shigeki Mitani, Atsushi Kumagai, Atsuhiro (31) 2017023420 (32) 10.02.2017 (33) Japan
(31) 202010274181 (32) 09.04.2020 (33) China	(72) Wu, Anwei Li, Dong Wang, Xing Xu, Huihui	(51) H01M 50/296 (11) EP3654402 (21) EP19217740.0 (47) 14.06.2023 (22) 04.04.2017 (54) BATTERY (73) Sony Group Corporation (72) Motoyama, Shigeki Mitani, Atsushi Kumagai, Atsuhiro (31) 2017023420 (32) 10.02.2017 (33) Japan
(51) H01M 50/20 (11) EP3748718 (21) EP18904252.6 (47) 14.06.2023 (87) JP2018046461 08.08.2019 (22) 18.12.2018	(31) 201822197254 U (32) 26.12.2018 (33) China	(51) H01M 50/296 (11) EP3654402 (21) EP19217740.0 (47) 14.06.2023 (22) 04.04.2017 (54) BATTERY (73) Sony Group Corporation (72) Motoyama, Shigeki Mitani, Atsushi Kumagai, Atsuhiro (31) 2017023420 (32) 10.02.2017 (33) Japan
(54) BATTERY PACK	(51) H01M 50/242 H01M 50/262 H01M 10/04 H01M 10/46 H01M 50/124 H01M 50/258 H01M 50/474 H01M 50/342 H01M 6/46 H01M 50/486 H01M 50/463 H01M 50/40	(51) H01M 50/342 H01M 50/107 H01M 50/152 H01M 50/147 H01M 50/213 H01M 50/247 H01M 50/249 H01M 50/251 H01M 50/202 H01M 10/0525 H01M 10/42 B25F 5/00 B60L 50/64 (11) EP3525262 (21) EP17880963.8 (47) 14.06.2023 (87) JP2017037207 21.06.2018 (22) 13.10.2017
(73) Vehicle Energy Japan Inc. (72) NISHIMORI, Hitoshi NAKAJIMA, Takayuki	(11) EP2642553 (21) EP11842044.7 (47) 14.06.2023 (87) JP2011073618 24.05.2012 (22) 14.10.2011 (54) STATIONARY ELECTRIC POWER SYSTEM AND METHOD FOR	(51) H01M 50/342 H01M 50/107 H01M 50/152 H01M 50/147 H01M 50/213 H01M 50/247 H01M 50/249 H01M 50/251 H01M 50/202 H01M 10/0525 H01M 10/42 B25F 5/00 B60L 50/64 (11) EP3525262 (21) EP17880963.8 (47) 14.06.2023 (87) JP2017037207 21.06.2018 (22) 13.10.2017
(31) 2018015713 (32) 31.01.2018 (33) Japan	(11) EP2642553 (21) EP11842044.7 (47) 14.06.2023 (87) JP2011073618 24.05.2012 (22) 14.10.2011 (54) STATIONARY ELECTRIC POWER SYSTEM AND METHOD FOR	(51) H01M 50/342 H01M 50/107 H01M 50/152 H01M 50/147 H01M 50/213 H01M 50/247 H01M 50/249 H01M 50/251 H01M 50/202 H01M 10/0525 H01M 10/42 B25F 5/00 B60L 50/64 (11) EP3525262 (21) EP17880963.8 (47) 14.06.2023 (87) JP2017037207 21.06.2018 (22) 13.10.2017
(51) H01M 50/204 H01M 50/262 (11) EP3675220 (21) EP19216414.3 (47) 14.06.2023 (22) 16.12.2019	(11) EP2642553 (21) EP11842044.7 (47) 14.06.2023 (87) JP2011073618 24.05.2012 (22) 14.10.2011 (54) STATIONARY ELECTRIC POWER SYSTEM AND METHOD FOR	(51) H01M 50/342 H01M 50/107 H01M 50/152 H01M 50/147 H01M 50/213 H01M 50/247 H01M 50/249 H01M 50/251 H01M 50/202 H01M 10/0525 H01M 10/42 B25F 5/00 B60L 50/64 (11) EP3525262 (21) EP17880963.8 (47) 14.06.2023 (87) JP2017037207 21.06.2018 (22) 13.10.2017
(54) BATTERY PACK AND DEVICE	(11) EP2642553 (21) EP11842044.7 (47) 14.06.2023 (87) JP2011073618 24.05.2012 (22) 14.10.2011 (54) STATIONARY ELECTRIC POWER SYSTEM AND METHOD FOR	(51) H01M 50/342 H01M 50/107 H01M 50/152 H01M 50/147 H01M 50/213 H01M 50/247 H01M 50/249 H01M 50/251 H01M 50/202 H01M 10/0525 H01M 10/42 B25F 5/00 B60L 50/64 (11) EP3525262 (21) EP17880963.8 (47) 14.06.2023 (87) JP2017037207 21.06.2018 (22) 13.10.2017
(73) Contemporary Amperex Technology Co., Limited	(11) EP2642553 (21) EP11842044.7 (47) 14.06.2023 (87) JP2011073618 24.05.2012 (22) 14.10.2011 (54) STATIONARY ELECTRIC POWER SYSTEM AND METHOD FOR	(51) H01M 50/342 H01M 50/107 H01M 50/152 H01M 50/147 H01M 50/213 H01M 50/247 H01M 50/249 H01M 50/251 H01M 50/202 H01M 10/0525 H01M 10/42 B25F 5/00 B60L 50/64 (11) EP3525262 (21) EP17880963.8 (47) 14.06.2023 (87) JP2017037207 21.06.2018 (22) 13.10.2017
(72) WANG, Heng JI, Jinqing ZHANG, Wenhui QIAN, Mu	(11) EP2642553 (21) EP11842044.7 (47) 14.06.2023 (87) JP2011073618 24.05.2012 (22) 14.10.2011 (54) STATIONARY ELECTRIC POWER SYSTEM AND METHOD FOR	(51) H01M 50/342 H01M 50/107 H01M 50/152 H01M 50/147 H01M 50/213 H01M 50/247 H01M 50/249 H01M 50/251 H01M 50/202 H01M 10/0525 H01M 10/42 B25F 5/00 B60L 50/64 (11) EP3525262 (21) EP17880963.8 (47) 14.06.2023 (87) JP2017037207 21.06.2018 (22) 13.10.2017

<p>(54) SECONDARY BATTERY, BATTERY PACK, ELECTRIC VEHICLE, POWER STORAGE SYSTEM, POWER TOOL, AND ELECTRONIC APPARATUS</p> <p>(73) Murata Manufacturing Co., Ltd.</p> <p>(72) SODEYAMA, Kunio</p> <p>(31) 2016244511</p> <p>(32) 16.12.2016</p> <p>(33) Japan</p> <hr/> <p>(51) H01M 50/403</p> <p>H01M 50/434</p> <p>H01M 50/548</p> <p>H01M 50/55</p> <p>C04B 28/00</p> <p>H01M 10/04</p> <p>H01M 10/36</p> <p>C04B 12/00</p> <p>H01M 50/553</p> <p>H01M 50/559</p> <p>C04B 111/00</p> <p>C04B 111/10</p> <p>(11) EP3769355</p> <p>(21) EP19722660.8</p> <p>(47) 14.06.2023</p> <p>(87) FI2019050216</p> <p>26.09.2019</p> <p>(22) 13.03.2019</p> <p>(54) VOLTAGE SOURCE WITH AN ELECTROLYTE CONTAINING ALUMINIUM AND SILICON OXIDES, AND METHOD FOR MANUFACTURING THE VOLTAGE SOURCE</p> <p>(73) Betolar OY</p> <p>(72) LEPPÄNEN, Juha</p> <p>PIISPANEN, Mirja</p> <p>(31) 20185262</p> <p>(32) 20.03.2018</p> <p>(33) Finland</p> <hr/> <p>(51) H01M 50/50</p> <p>H01M 50/583</p> <p>G01R 1/20</p> <p>G01R 15/14</p> <p>G01R 31/36</p> <p>G01R 31/382</p> <p>H01C 1/14</p> <p>(11) EP3674716</p> <p>(21) EP19778075.2</p> <p>(47) 14.06.2023</p> <p>(87) KR2019003452</p> <p>03.10.2019</p> <p>(22) 25.03.2019</p> <p>(54) SHUNT RESISTOR AND APPARATUS FOR DETECTING CURRENT INCLUDING THE SAME</p> <p>(73) LG Energy Solution, Ltd.</p> <p>(72) MIN, Kyoung-Choon</p> <p>(31) 20180035972</p> <p>(32) 28.03.2018</p> <p>(33) Korea (Republic)</p> <hr/> <p>(51) H01M 50/503</p> <p>H01M 50/507</p> <p>(11) EP3905363</p> <p>(21) EP20855496.4</p> <p>(47) 14.06.2023</p> <p>(87) CN2020104705</p> <p>25.02.2021</p> <p>(22) 26.07.2020</p> <p>(54) BATTERY MODULE</p>	<p>(73) Contemporary Amperex Technology Co., Limited</p> <p>(72) WANG, Zhichao</p> <p>WANG, Peng</p> <p>(31) 201921353800 U</p> <p>(32) 20.08.2019</p> <p>(33) China</p> <hr/> <p>(51) H01M 50/531</p> <p>H01M 50/103</p> <p>H01M 50/166</p> <p>H01M 50/548</p> <p>H01M 50/557</p> <p>H01M 50/567</p> <p>(11) EP3926751</p> <p>(21) EP19954959.3</p> <p>(47) 14.06.2023</p> <p>(87) CN2019122647</p> <p>10.06.2021</p> <p>(22) 03.12.2019</p> <p>(54) SECONDARY BATTERY WITH SPECIFIC CURRENT COLLECTING MEMBER, BATTERY MODULE AND DEVICE</p> <p>(73) Contemporary Amperex Technology Co., Limited</p> <p>(72) WANG, Liangyi</p> <p>HE, Runyong</p> <p>QIN, Feng</p> <p>ZHANG, Hua</p> <p>CHEN, Liangmei</p> <p>WANG, Zhi</p> <hr/> <p>(51) H01M 50/70</p> <p>H01M 10/12</p> <p>H01M 10/42</p> <p>(11) EP3447825</p> <p>(21) EP17209927.7</p> <p>(47) 14.06.2023</p> <p>(22) 22.12.2017</p> <p>(54) ELECTROLYTE MIXING APPARATUS FOR BATTERY CAPABLE OF INCREASING FLOW VELOCITY OF ELECTROLYTE</p> <p>(73) Global Battery Co., Ltd.</p> <p>(72) Park, Seung Bok</p> <p>Kim, Hyuin Ryung</p> <p>Kim, Jin Hyun</p> <p>(31) 20170106834</p> <p>(32) 23.08.2017</p> <p>(33) Korea (Republic)</p> <hr/> <p>(51) H01P 1/19</p> <p>H01P 1/38</p> <p>H01P 1/36</p> <p>H03H 7/52</p> <p>H01L 23/00</p> <p>H03H 1/00</p> <p>(11) EP3616254</p> <p>(21) EP18790339.8</p> <p>(47) 14.06.2023</p> <p>(87) US2018029559</p> <p>01.11.2018</p> <p>(22) 26.04.2018</p> <p>(54) RF CIRCULATOR</p> <p>(73) 3D Glass Solutions, Inc.</p> <p>(72) BULLINGTON, Jeff</p> <p>FLEMMING, Jeb, H.</p> <p>(31) 201762491918 P</p> <p>(32) 28.04.2017</p> <p>(33) United States of America</p> <hr/> <p>(51) H01P 1/211</p> <p>H01P 1/209</p> <p>(11) EP3771026</p> <p>(21) EP19188701.7</p> <p>(47) 14.06.2023</p> <p>(22) 26.07.2019</p> <p>(54) WAVEGUIDE FILTER</p> <p>(73) EUROPEAN SPACE AGENCY</p> <p>(72) TEBERIO, Fernando</p> <p>MARTIN-IGLESIAS, Petronilo</p> <hr/> <p>(51) H01P 11/00</p> <p>(11) EP3939115</p> <p>(21) EP20737603.9</p> <p>(47) 14.06.2023</p> <p>(87) IB2020056471</p> <p>14.01.2021</p> <p>(22) 09.07.2020</p> <p>(54) METHOD FOR MANUFACTURING A WAVEGUIDE DEVICE BY ADDITIVE MANUFACTURING AND ELECTRODEPOSITION, AND SEMI-FINISHED PRODUCT</p> <p>(73) SWISSto12 SA</p> <p>(72) BILLOD, Mathieu</p> <p>(31) 1907839</p> <p>(32) 11.07.2019</p> <p>(33) France</p> <hr/> <p>(51) H01Q 1/22</p> <p>H01Q 1/27</p> <p>H01Q 21/28</p> <p>H04B 1/3827</p> <p>H01Q 13/24</p> <p>(11) EP3488534</p> <p>(21) EP17843863.6</p> <p>(47) 14.06.2023</p> <p>(87) KR2017008799</p> <p>01.03.2018</p> <p>(22) 11.08.2017</p> <p>(54) WAVEGUIDE AND ANTENNA APPARATUS FOR EXTENDING CONNECTION COVERAGE</p> <p>(73) Samsung Electronics Co., Ltd.</p> <p>(72) PSYCHOUDAKIS, Dimitris</p> <p>HUANG, Daquan</p> <p>FOROOZESH, Alireza</p> <p>TONNEMACHER, Matthew</p> <p>XU, Gary</p> <p>ZHANG, Jianzhong</p> <p>(31) 201715672606</p> <p>201662415882 P</p> <p>201662406334 P</p> <p>201662406299 P</p> <p>201662379009 P</p> <p>(32) 09.08.2017</p> <p>01.11.2016</p> <p>10.10.2016</p> <p>10.10.2016</p> <p>24.08.2016</p> <p>(33) United States of America</p> <p>United States of America</p> <p>United States of America</p> <p>United States of America</p> <p>United States of America</p> <hr/> <p>(51) H01Q 1/22</p> <p>H01Q 15/00</p> <p>H01Q 9/04</p> <p>H01Q 21/06</p> <p>H01Q 1/24</p>
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H01Q 21/08	H01Q 25/00	H01Q 19/06
(11) EP3920322	H01Q 3/40	(11) EP3573182
(21) EP20772990.6	(11) EP3686990	(21) EP18756819.1
(47) 14.06.2023	(21) EP19178267.1	(47) 14.06.2023
(87) CN2020079502	(47) 14.06.2023	(87) KR2018002057
24.09.2020	(22) 12.11.2009	30.08.2018
(22) 16.03.2020	(54) DUAL-BEAM SECTOR ANTENNA AND	(22) 20.02.2018
(54) ANTENNA APPARATUS AND	ARRAY	(54) INSTRUMENT COMPRISING PLANE
ELECTRONIC DEVICE	(73) CommScope Technologies LLC	LENS ANTENNA AND CONTROL
(73) GUANGDONG OPPO MOBILE	(72) ZIMMERMAN, Martin	METHOD THEREOF
TELECOMMUNICATIONS CORP., LTD.	HUA, Yanping	(73) Samsung Electronics Co., Ltd.
(72) JIA, Yuhu	CAO, Huy	(72) KO, Seungtae
(31) 201910211411	TIMOFEEV, Igor	KIM, Yoongeon
(32) 20.03.2019	(31) 199840 P	HAN, Seungku
(33) China	(32) 20.11.2008	(31) 20170022805
(51) H01Q 1/24	(33) United States of America	(32) 21.02.2017
H01Q 1/52	(51) H01Q 1/32	(33) Korea (Republic)
H01Q 3/36	B60R 13/02	(51) H01Q 15/14
H01Q 25/00	(11) EP3952020	H01Q 15/00
H01Q 15/00	(21) EP19721328.3	(11) EP2882036
H01Q 19/06	(47) 14.06.2023	(21) EP13825417.2
H04B 7/06	(87) ES2019070207	(47) 14.06.2023
H04L 5/14	01.10.2020	(87) JP2013063977
H01Q 21/06	(22) 27.03.2019	06.02.2014
H01Q 21/08	(54) ROOF LINING WITH ELECTRONIC	(22) 20.05.2013
H01Q 21/24	MODULE ASSEMBLY FOR VEHICLES	(54) REFLECT ARRAY
H04B 7/0413	AND VEHICLE ROOF ASSEMBLY	(73) NTT DOCOMO, INC.
(11) EP3794679	COMPRISING THE LINING	(72) MARUYAMA, Tamami
(21) EP19838761.5	(73) Grupo Antolin-Ingenieria, S.A.	ODA, Yasuhiro
(47) 14.06.2023	(72) GONZÁLEZ MERINO, Ricardo Manuel	SHEN, Jiyun
(87) CN2019096595	ESCUADERO DELGADO, Jesús Vicente	TRAN, Ngoc Hao
23.01.2020	JORGE MILLÁN, David	(31) 2012186989
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ASSEMBLY	MURAYAMA, Yuji	H02J 50/60
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UPLINK RESOURCE IN WIRELESS	DEVICE	RYU, Kiseon
COMMUNICATION SYSTEM AND A	(73) GUANGDONG OPPO MOBILE	PARK, Giwon
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COMPOSITION	(73) Steinco Paul vom Stein GmbH	POZZI, Charles Philip
(73) ALTANA AG	(72) Weichbrodt, Tobias	(74) ir. H.A. Witmans c.s.
(72) RÖTTGER, Max	Delan, Thorsten	(31) 102018102613
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(21) EP19217007.4	BLACK	ISHIKURA Atsushi
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(73) Joma Kunststofftechnik GmbH	(21) EP20160698.5	MOUNTABLE ON AN AUTONOMOUS
(72) FRIES, Rudolf	(22) 03.03.2020	MOBILE ROBOT FOR CARRYING A
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(51) B65G 1/04	RATCHET	(72) CASELLAS, Antonio
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C02F 101/20	(73) Rohm and Haas Company	(72) BLATTER, Fritz
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C02F 103/02	NGO, Minh N.	EVARTS, Jerry
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G03B 21/56	(73) Kureha Corporation	FUKUZAWA, Taku
G09F 13/08	(72) ITO, Atsushi	CHAROIN, Jean Eric
G09F 13/20	HARIGAE, Ryo	SAMPEI, Zenjiro
G09F 23/04	MIYAKE, Taiji	TSUBOI, Yoshinori
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(11) 301151	ANTIBODIES THAT BIND	(94) 1827
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VB1

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C03C 3/097	D04H 1/559	10.08.2022
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VB2

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MED

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A61K 47/50
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(11) EP3719688	(11) EP3732107	(11) EP3770816
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(11) EP3720830	(11) EP3734564	(11) EP3771805
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(11) EP3898577	(11) EP3911490	(11) EP3984048
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(11) EP3898746	(11) EP3913825	(11) EP3999377
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(11) EP3898779	(11) EP3922116	(11) EP4000125
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(11) EP3898831	(11) EP3923569	(11) EP4004490
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(11) EP3900059	(11) EP3924558	(11) EP4008628
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(11) EP3900111	(11) EP3927931	(11) EP4009346
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(11) EP4017387
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(11) EP4028313
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(11) EP4034330
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(11) EP4035302
(00) 08.02.2023
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(11) EP4046313
(00) 08.02.2023
(00) EPV Ceased Effect

(11) EP4073430
(00) 08.02.2023
(00) EPV Ceased Effect

VRB

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

- (11) EP3711727
 - (00) 06.12.2022
 - (00) Proceedings Interruption: Legal
prevention (Rule 142(1)(b))
 - (51) A61F 13/15
 - A61F 13/49
 - A61F 13/537
 - A61F 13/539
 - A61F 13/56
-

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) FUTUROLA HOLDING B.V.	(71) ASMP T GmbH & Co. KG	(00) 02.06.2023
(73) FUTUROLA HOLDING B.V.	(73) ASMP T GmbH & Co. KG	(51) A61K 38/46
(11) 2003452	(11) EP1798523	C12Q 1/34
(00) 05.06.2023	(00) 31.05.2023	G01N 33/15
(51) A24F 17/00	(51) G01D 5/14	(00) Change of owner(s) name
B65D 21/08	H05K 13/04	(71) FUTUROLA HOLDING B.V.
B65D 83/08	(00) Change of owner(s) name	(73) FUTUROLA HOLDING B.V.
(00) Assignment	(71) ASMP T GmbH & Co. KG	(11) EP2292532
(71) Great Dane LLC	(73) ASMP T GmbH & Co. KG	(00) 05.06.2023
(73) Great Dane LLC	(11) EP2018094	(51) A24F 17/00
(11) EP1667890	(00) 31.05.2023	B65D 21/08
(00) 31.05.2023	(51) H05K 13/04	B65D 83/08
(51) B62D 33/04	(00) Change of owner(s) name	(00) Assignment
(00) Change of Legal Entity	(71) ASMP T GmbH & Co. KG	(71) Rosedale Dynamics LLC
(71) ASMP T GmbH & Co. KG	(73) ASMP T GmbH & Co. KG	(73) Rosedale Dynamics LLC
(73) ASMP T GmbH & Co. KG	(11) EP2009979	(11) EP2804358
(11) EP1869747	(00) 31.05.2023	(00) 05.06.2023
(00) 31.05.2023	(51) H05K 13/04	(51) H04L 12/46
(51) H02J 7/02	H05K 13/08	(00) Assignment
(00) Change of owner(s) name	(00) Change of owner(s) name	(71) Absci Corporation
(71) Ecolab USA Inc.	(71) ASMP T GmbH & Co. KG	(73) Absci Corporation
(73) Ecolab USA Inc.	(73) ASMP T GmbH & Co. KG	(11) EP2880168
(11) EP1793869	(11) EP1908340	(00) 31.05.2023
(00) 31.05.2023	(00) 31.05.2023	(51) C07K 16/24
(51) A61L 2/20	(51) H05K 13/04	C07K 16/28
A61L 2/28	(00) Change of owner(s) name	C12N 15/70
(00) Assignment	(71) Ecolab USA Inc.	(00) Assignment
(71) ASMP T GmbH & Co. KG	(73) Ecolab USA Inc.	(71) Les Laboratoires Servier
(73) ASMP T GmbH & Co. KG	(11) EP2155267	(73) Les Laboratoires Servier
(11) EP1834516	(00) 31.05.2023	(11) EP2132229
(00) 31.05.2023	(51) A61L 2/20	(00) 31.05.2023
(51) H05K 13/04	A61L 2/26	(51) A61K 39/395
(00) Change of owner(s) name	(00) Assignment	C07K 14/71
(71) ASMP T GmbH & Co. KG	(71) MEDDX SERVICES LIMITED	C07K 16/28
(73) ASMP T GmbH & Co. KG	(73) MEDDX SERVICES LIMITED	(00) Assignment
(11) EP1677588	(11) EP2150472	(71) ASMP T GmbH & Co. KG
(00) 31.05.2023	(00) 26.05.2023	(73) ASMP T GmbH & Co. KG
(51) H05K 13/08	(51) B65D 81/02	(11) EP2389059
(00) Change of owner(s) name	B65D 81/26	(00) 31.05.2023
(71) ThyssenKrupp Marine Systems GmbH	(00) Assignment	(51) H05K 13/04
(73) ThyssenKrupp Marine Systems GmbH	(71) ASMP T GmbH & Co. KG	(00) Change of owner(s) name
(11) EP1961900	(73) ASMP T GmbH & Co. KG	(71) ASMP T GmbH & Co. KG
(00) 23.05.2023	(11) EP2111092	(73) ASMP T GmbH & Co. KG
(51) B63B 19/00	(00) 31.05.2023	(11) EP1686597
E05D 15/10	(51) H05K 13/04	(00) 31.05.2023
E05F 3/10	(00) Change of owner(s) name	(51) H01F 38/14
(00) Merge	(71) JibFlex A/S	H05K 13/04
(71) ASMP T GmbH & Co. KG	(73) JibFlex A/S	(00) Change of owner(s) name
(73) ASMP T GmbH & Co. KG	(11) EP2576413	(71) ASMP T GmbH & Co. KG
(11) EP1839472	(00) 02.06.2023	(73) ASMP T GmbH & Co. KG
(00) 31.05.2023	(51) B66C 23/04	(11) EP2908614
(51) H05K 13/02	B66C 23/20	(00) 31.05.2023
(00) Change of owner(s) name	B66C 23/64	(51) H05K 13/08
(71) ASMP T GmbH & Co. KG	B66C 23/68	(00) Change of owner(s) name
(73) ASMP T GmbH & Co. KG	F03D 1/00	(71) IDEAHUB Inc.
(11) EP1929851	(00) Assignment	(73) IDEAHUB Inc.
(00) 31.05.2023	(71) ALLERGAN PHARMACEUTICALS	(11) EP2608540
(51) F16M 5/00	INTERNATIONAL LIMITED	(00) 02.06.2023
H05K 13/00	(73) ALLERGAN PHARMACEUTICALS	(51) H04N 19/119
(00) Change of owner(s) name	INTERNATIONAL LIMITED	H04N 19/124
	(11) EP2741766	H04N 19/14

H04N 19/176	G02B 26/02	(51) C07K 16/24
H04N 19/196	G02B 26/08	C07K 16/28
H04N 19/33	(00) Assignment	C12N 15/70
H04N 19/463	(71) Rosedale Dynamics LLC	C12P 21/02
H04N 19/70	(73) Rosedale Dynamics LLC	(00) Assignment
(00) Assignment	(11) EP3076729	(71) DELMIC IP B.V.
(71) Rosedale Dynamics LLC	(00) 05.06.2023	(73) DELMIC IP B.V.
(73) Rosedale Dynamics LLC	(51) H04W 8/00	(11) 2027219
(11) EP2896240	H04W 72/02	(00) 31.05.2023
(00) 05.06.2023	(00) Assignment	(51) G01N 23/2254
(51) H04J 11/00	(71) Clariant Produkte (Deutschland) GmbH	G01N 25/18
H04W 24/10	(73) Clariant Produkte (Deutschland) GmbH	(00) Assignment
(00) Assignment	(11) EP2648839	(71) Clariant Produkte (Deutschland) GmbH
(71) MICROTTEST S.P.A.	(00) 07.06.2023	(73) Clariant Produkte (Deutschland) GmbH
(73) MICROTTEST S.P.A.	(51) B01D 15/00	(11) EP2043783
(11) EP2904350	B01D 53/02	(00) 07.06.2023
(00) 02.06.2023	B01D 53/04	(51) B01D 53/86
(51) G01C 17/38	B01J 20/12	B01J 29/06
G01C 21/00	B01J 20/18	B01J 29/072
(00) Change of Legal Entity	B01J 20/28	B01J 29/10
(71) IFLEX LIMITED W.L.L.	B01J 20/30	B01J 29/20
(73) IFLEX LIMITED W.L.L.	B01J 39/26	B01J 29/42
(11) 2022499	C01B 39/36	B01J 29/76
(00) 26.05.2023	C10G 25/00	B01J 37/00
(51) B29C 63/10	(00) Assignment	B01J 37/04
B29C 65/00	(71) Rosedale Dynamics LLC	B01J 37/08
F16L 9/00	(73) Rosedale Dynamics LLC	(00) Assignment
F16L 9/16	(11) EP3253135	(71) FUJI SEAL INTERNATIONAL INC.
F16L 11/08	(00) 05.06.2023	(73) FUJI SEAL INTERNATIONAL INC.
F16L 58/10	(51) H04W 52/34	(11) 2029631
F16L 58/16	H04W 52/36	(00) 01.06.2023
(00) Assignment	H04W 52/38	(51) B65C 9/00
(71) EnBW mobility + AG & Co KG	(00) Assignment	(00) Assignment
(73) EnBW mobility + AG & Co KG	(71) TECMEN ELECTRONICS CO., LTD	(71) KYOWA HAKKO BIO CO., LTD.
(11) EP2399771	(73) TECMEN ELECTRONICS CO., LTD	National University Corporation Tokai
(00) 02.06.2023	(11) EP3228287	National Higher Education and Research
(51) B60L 1/08	(00) 30.05.2023	System
G07F 15/00	(51) A61F 9/06	(73) KYOWA HAKKO BIO CO., LTD.
B60L 50/50	B23K 9/32	National University Corporation Tokai
(00) Assignment	F16P 1/06	National Higher Education and Research
(71) Rosedale Dynamics LLC	(00) Assignment	System
(73) Rosedale Dynamics LLC	(71) ASMPT GmbH & Co. KG	(11) EP3320895
(11) EP2176966	(73) ASMPT GmbH & Co. KG	(00) 06.06.2023
(00) 05.06.2023	(11) EP3054478	(51) A23L 2/52
(51) H04W 74/00	(00) 31.05.2023	A61K 9/20
H04W 74/08	(51) H01L 21/67	A61K 31/155
(00) Assignment	H01L 21/68	A61K 31/198
(71) BioInvent International AB	(00) Change of owner(s) name	A61P 3/00
(73) BioInvent International AB	(71) TECMEN ELECTRONICS CO., LTD	A61P 3/02
(11) EP3180356	(73) TECMEN ELECTRONICS CO., LTD	A61P 7/00
(00) 02.06.2023	(11) EP3281545	A61P 7/10
(51) A61K 39/00	(00) 30.05.2023	A61P 9/00
C07K 16/28	(51) A42B 3/14	A61P 9/08
(00) Assignment	A61F 9/06	A61P 15/00
(71) MICROTTEST S.P.A.	H01F 7/02	A61P 15/10
(73) MICROTTEST S.P.A.	(00) Assignment	A61P 21/00
(11) EP3173798	(71) Rosedale Dynamics LLC	A61P 21/04
(00) 02.06.2023	(73) Rosedale Dynamics LLC	A61P 43/00
(51) G01R 1/04	(11) EP3253138	A23L 33/175
G01R 31/28	(00) 05.06.2023	(00) Change of owner(s) name
(00) Change of Legal Entity	(51) H04W 8/00	(71) ASMPT GmbH & Co. KG
(71) Sunwaves B.V.	H04W 52/38	(73) ASMPT GmbH & Co. KG
(73) Sunwaves B.V.	(00) Assignment	(11) EP2943052
(11) 2021524	(71) Absci Corporation	(00) 31.05.2023
(00) 06.06.2023	(73) Absci Corporation	(51) H05K 13/04
(51) E06B 9/264	(11) EP3187586	H05K 13/08
A01G 9/22	(00) 31.05.2023	(00) Change of owner(s) name

(71) ASMP T GmbH & Co. KG	H02J 13/00	(73) L'AIR LIQUIDE, SOCIETE ANONYME
(73) ASMP T GmbH & Co. KG	(00) Change of owner(s) name	POUR L'ETUDE ET L'EXPLOITATION
(11) EP3340758	(71) Thermoheld GmbH	DES PROCEDES GEORGES CLAUDE
(00) 31.05.2023	(73) Thermoheld GmbH	(11) EP3492756
(51) H05K 13/00	(11) EP3533285	(00) 31.05.2023
H05K 13/02	(00) 25.05.2023	(51) F16B 1/00
(00) Change of owner(s) name	(51) H05B 3/06	F15B 15/10
(71) LINTEC Corporation	H05B 3/14	F16J 15/46
(73) LINTEC Corporation	H05B 3/20	(00) Assignment
(11) EP2985328	(00) Change of owner(s) name	(71) Christian Maier GmbH & Co KG,
(00) 06.06.2023	(71) Les Laboratoires Servier	Maschinenfabrik
(51) H01L 21/301	(73) Les Laboratoires Servier	(73) Christian Maier GmbH & Co KG,
C09J 7/29	(11) EP3443009	Maschinenfabrik
C09J 7/35	(00) 31.05.2023	(11) EP3473898
(00) Assignment	(51) C07K 16/28	(00) 25.05.2023
(71) Mor, Tsafirir	A61P 35/00	(51) F16J 15/34
KBIO Holdings Limited	(00) Assignment	(00) Change of owner(s) name
(73) Mor, Tsafirir	(71) SAMSON ROPE TECHNOLOGIES, INC.	(71) ALTANA New Technolgies GmbH
KBIO Holdings Limited	(73) SAMSON ROPE TECHNOLOGIES, INC.	(73) ALTANA New Technolgies GmbH
(11) EP3052618	(11) EP3472037	(11) EP4121293
(00) 01.06.2023	(00) 06.06.2023	(00) 31.05.2023
(51) A61K 38/46	(51) B63B 21/48	(51) B33Y 70/00
C12N 9/00	B63B 21/00	C09D 11/30
C12N 9/18	B63B 21/04	C09D 11/101
(00) Assignment	B63B 21/56	(00) Change of Legal Entity
(71) TECMEN ELECTRONICS CO., LTD	B63B 21/58	
(73) TECMEN ELECTRONICS CO., LTD	B63B 35/68	
(11) EP3479715	(00) Assignment	
(00) 30.05.2023	(71) SAMSON ROPE TECHNOLOGIES, INC.	
(51) A42B 3/08	(73) SAMSON ROPE TECHNOLOGIES, INC.	
A42B 3/14	(11) EP3472035	
A61F 9/06	(00) 06.06.2023	
(00) Assignment	(51) B63B 21/48	
(71) TECMEN ELECTRONICS CO., LTD	B63B 21/00	
(73) TECMEN ELECTRONICS CO., LTD	B63B 21/04	
(11) EP3228288	B63B 21/56	
(00) 30.05.2023	B63B 21/58	
(51) H01M 50/247	B63B 35/68	
H01M 50/262	(00) Assignment	
(00) Assignment	(71) DELMIC IP B.V.	
(71) SHELL INTERNATIONALE RESEARCH	(11) 2032117	
MAATSCHAPPIJ B.V.	(00) 31.05.2023	
(73) SHELL INTERNATIONALE RESEARCH	(51) G01N 23/2254	
MAATSCHAPPIJ B.V.	G01N 25/18	
(11) EP3577709	(00) Assignment	
(00) 02.06.2023	(71) Absci Corporation	
(51) C01B 3/38	(73) Absci Corporation	
C01B 3/48	(11) EP3310919	
C01B 3/50	(00) 31.05.2023	
H01M 8/04007	(51) C12N 15/50	
H01M 8/04701	C07K 16/24	
H01M 8/04746	C12N 9/74	
H01M 8/04828	A61P 7/02	
H01M 8/0612	A61K 38/48	
H01M 8/0637	(00) Assignment	
H01M 8/0662	(71) Les Laboratoires Servier	
H01M 8/124	(73) Les Laboratoires Servier	
(00) Assignment	(11) EP3368572	
(71) Block Energy LLC	(00) 31.05.2023	
(73) Block Energy LLC	(51) C07K 16/28	
(11) EP3735727	A61K 39/00	
(00) 25.05.2023	A61P 35/00	
(51) H02J 3/14	(00) Assignment	
G05B 1/01	(71) L'AIR LIQUIDE, SOCIETE ANONYME	
G05B 11/01	POUR L'ETUDE ET L'EXPLOITATION	
H02J 1/10	DES PROCEDES GEORGES CLAUDE	
H02J 1/14		

TVH

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

UP1

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

UP2

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

Contains data concerning European patents with registered request ex article 52a (restoration of validation right).

UP3

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

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

UP4

Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en geen complete validatie.

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

UP5

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

Contains data concerning European patents with rejected request ex article 52a (restoration of validation right).

UP6

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

Contains data concerning European patents with withdrawn request ex article 52a (restoration of validation right).