



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

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Bezoekadres: **Octrooicentrum Nederland**

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadres

Postbus 10366

2501 HJ Den Haag

Telefoon: 088-0426656

Bankrekeningnummer:

Voor taksen en depotrekeningen:

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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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Prinses Beatrixlaan 2

2595 AL Den Haag

Postadress

Post Office Box: 10366

2501 HJ Den Haag

Telephone: +31(0)88 0426656

Account:

Fees, deposit accounts:

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Rubriek NP2 Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	12 Heading NP2 Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	12
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	16 Heading NP3 Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	16
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	17 Heading EP1 Contains data concerning translations of the conclusions of European patent applications.	17
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Rubriek SPC Bevat gegevens betreffende ingeschreven en verleende certificaten	268Heading SPC Contains data concerning applications for- or granted Supplementary Protection Certificates.	268
Rubriek VB1 Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.	269Heading VB1 Contains data concerning requests and notices of opposition under the General administrative law.	269
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Rubriek MED Bevat gegevens betreffende overige mededelingen.	271Heading MED Contains data concerning other communications.	271
Rubriek VRV Bevat gegevens betreffende verval of nietigverklaring.	272Heading VRV Contains data concerning lapse or annulment.	272
Rubriek VRB Bevat gegevens betreffende verbeteringen op eerdere publicaties.	291Heading VRB Contains data concerning corrections on earlier publications.	291
Rubriek CO Bevat gegevens betreffende wijzigingen in het octrooiregister.	292Heading CO Contains data concerning changes in the Netherland patent register.	292
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Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	Contains data concerning European patents with registered Unitary Effect.	
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Overzicht van Inid codes

INID CODES

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

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

INID CODES

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

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

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

Rubrieken/Headings

NP1

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

(51) A01G 9/04 A01G 31/04 (21) 2031269 (22) 14.03.2022 (54) CULTIVATION TROUGH AND TRANSPORT SYSTEM (71) PB Techniek B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Koenraad Hedricus Maria Brabander (41) 20.09.2023	(54) PROSTHESIS OR ORTHOSIS WITH A MODULAR HINGE STIFFNESS (71) AXILES BIONICS BV (74) dr. ir. G.J.C. Verdijck c.s. (72) Julien De Muyter Gil Lauwers Pierre Philippe Cherule Felipe Gomez (41) 20.09.2023	B01F 35/21 G01N 27/02 B01F 31/441 G01N 33/02 G01N 33/04 G01N 33/14 G01N 11/00 G01N 11/12 G01N 27/06
(51) A01N 1/02 C12M 1/00 (21) 2034217 (22) 23.02.2023 (54) THAWING PLANT FOR FROZEN EMBRYOS (71) Bo Ma (74) dr. T. Wittop Koning PhD (72) Bo Ma Wenjiao Tu Luo Niu Yuesong Hao (41) 20.09.2023	(51) A61F 2/66 (21) 2031271 (22) 14.03.2022 (54) PROSTHESIS OR ORTHOSIS WITH VARIABLE HINGE STIFFNESS (71) AXILES BIONICS BV (74) dr. ir. G.J.C. Verdijck c.s. (72) Pierre Philippe Cherule Felipe Gomez Julien De Muyter Gil Lauwers (41) 20.09.2023	(21) 2031248 (22) 11.03.2022 (54) Meetsysteem voor levensmiddelen (71) Lanvi Patent B.V. (74) ir. M.J.F.M. Corten (72) Frans Emo Diderik van Halsema (41) 20.09.2023
(51) A43B 7/1455 A43D 1/02 A43B 17/00 (21) 2031277 (22) 15.03.2022 (54) INSOLE FOR PATIENTS HAVING PLANTAR FASCIITIS (71) Procs B.V. (74) ir. A. van der Maarl (72) Thomas Benjamin Joseph de Windt (41) 27.09.2023	(51) A61P 9/00 A61K 31/4422 A61K 9/30 A61K 31/41 (21) 2033611 (22) 25.11.2022 (54) VALSARTAN-LEVAMLODIPINE COMPOSITION (71) Huang Shan C-KING Pharmaceutical Co., Ltd (74) ir. W.J.J.M. Kempes (72) Peng Si Jie Fu Shiwen Zhou (31) 202210257608.7 (32) 16.03.2022 (33) China	(51) B08B 5/04 A47L 7/00 (21) 2031500 (22) 05.04.2022 (54) LITTER COLLECTION DEVICE (71) Institute of Water Resources for Pastoral Area, MWR (74) dr. T. Wittop Koning PhD (72) Jing Liu Jianying Guo Zhenqi Yang Tiegang Zhang Guodong Tang Yanping Liu Dan Shan Ying Zheng (31) 202210284762.3 (32) 22.03.2022 (33) China
(51) A61B 17/88 (21) 2032122 (22) 10.06.2022 (54) BONE CEMENT AUTOMATIC PROPELLING DEVICE AND BONE CEMENT FILLING METHOD (71) The Fourth Medical Center of Chinese People's Liberation Army General Hospital (74) ir. W.J.J.M. Kempes (72) Yadong Zhang Yaosheng Liu Xuyong Cao Yuncen Cao Boyu Zhu (31) 202210256591.3 (32) 16.03.2022 (33) China	(51) B01D 53/02 B01J 20/30 (21) 2031887 (22) 17.05.2022 (54) PREPARATION METHOD AND APPLICATION OF MATERIAL FOR REMOVING GASEOUS IODINE (71) Radiation Environmental Monitoring Station of Hainan province (74) dr. T. Wittop Koning PhD (72) Yishi Chen Kan Fu Lan Fu Donghai Xie (51) B01F 35/50 G01N 35/00 B01F 35/71 G01N 11/10 B01F 33/453	(51) B09C 1/00 (21) 2031601 (22) 15.04.2022 (54) Application of Humic Acid in Improving the Phytoremediation Effect of Heavy Metals in Water (71) Fuhuan Qingyun Technology (Zhejiang) Co., Ltd Fudan University (74) dr. T. Wittop Koning PhD (72) Weizhen Zhang Guo Li Xingzhang Luo Zheng Zheng Xuhui Huang Suzhen Huang Zhikai Wang (31) 202210254262.5 (32) 15.03.2022 (33) China
(51) A61F 2/66 (21) 2031270 (22) 14.03.2022		(51) B09C 1/02 (21) 2031251

(22) 11.03.2022	(21) 2034361	(51) B62M 6/80
(54) METHOD FOR CLEANING A CONTAMINATED SAND CONTAINING COMPOSITION	(22) 16.03.2023	B62M 6/45
(71) Baggermaatschappij Boskalis B.V.	(54) AXLE ASSEMBLY FOR CONNECTING AT LEAST ONE WHEEL TO A MOBILE ROBOT MOVABLE ON A FERROMAGNETIC SURFACE, MOBILE ROBOT AND METHODS	(21) 2031286
(74) ir. F.A. Geurts c.s.	(71) Remotion AS	(22) 15.03.2022
(72) Hendrikus Wilhelmus van Dam Mark Lughart	(74) ir. A. Blokland c.s.	(54) Electric bicycle and service port for use in such an electric bicycle
(41) 20.09.2023	(72) Csaba Moharos	(71) VANMOOF B.V.
(51) B28B 23/00	(31) 20220332	(74) ir. H.Th. van den Heuvel c.s.
E04G 15/06	(32) 16.03.2022	(72) Jean-Paul Niellissen
F24D 3/14	(33) Norway	Ties Jonan Midas Carlier
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(21) 2031247	B62K 23/02	(41) 27.09.2023
(22) 11.03.2022	B62J 11/00	(51) B65D 19/18
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(71) Wavin B.V.	B62J 50/22	B65D 19/44
(74) dr. ir. F.M. van Bouwelen	B62M 6/45	(21) 2031272
(72) Earnst Korné Brinkhuis Bradley Scott Pierik	B62M 6/50	(22) 14.03.2022
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(22) 27.07.2022	(21) 2031283	(74) dr. ir. G.J.C. Verdijck c.s.
(54) A stretchable layer for a reconfigurable mold, a stretchable heating blanket, a membrane, an apparatus for making a three-dimensionally curved object, and a stretchable layer fabrication method	(22) 15.03.2022	(72) Wouter Jochem Leijen
(71) Curve Works Holding B.V.	(54) Electric bicycle and charging device for use in such an electric bicycle	(41) 20.09.2023
(74) ir. M. van der Velden	(71) VANMOOF B.V.	(51) B65D 19/38
(72) François Geuskens	(74) ir. H.Th. van den Heuvel c.s.	B65D 71/00
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(32) 15.03.2022	B62K 19/40	(54) Reusable Pallet Tent
(33) Netherlands	B62M 6/90	(71) Michael Roodenburg
(51) B30B 1/04	(21) 2031287	(72) Michael Roodenburg
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(54) Inrichting voor het doorbreken van lasnaden dialysezakken	(72) Ties Jonan Midas Carlier Jean-Paul Niellissen Job Hendrik Stehmann	(22) 15.03.2022
(71) Erik Johannes Maria Vale	(41) 27.09.2023	(54) METHOD FOR PREPARING HIGH-PURITY ALUMINA BY COAL GANGUE
(72) Erik Johannes Maria Vale	(51) B62K 19/30	(71) Inner Mongolia University of Technology
(51) B42D 25/328	B62J 45/00	(74) ir. W.J.J.M. Kempes
B42D 25/378	(21) 2031284	(72) Yanbing Gong
(21) 2031320	(22) 15.03.2022	Yongfeng Zhang
(22) 18.03.2022	(54) Bicycle, in particular an electric bicycle, and bicycle antenna	Yujuan Zhang
(54) A sealing mark, a package and methods	(71) VANMOOF B.V.	(41) 27.09.2023
(71) Roelof Voerman	(74) ir. H.Th. van den Heuvel c.s.	(51) C02F 3/32
(74) ir. H.A. Witmans c.s.	(72) Jean-Paul Niellissen Job Hendrik Stehmann Ties Jonan Midas Carlier	(21) 2032913
(72) Roelof Voerman	(41) 27.09.2023	(22) 31.08.2022
(51) B42D 25/328	(51) B62M 6/45	(54) TOWER EARTHWORM ECOFILTER WITH HEATING FUNCTION
B42D 25/378	(21) 2031285	(71) NANJING INSTITUTE OF ENVIRONMENTAL SCIENCES, MINISTRY OF ECOLOGY AND ENVIRONMENT OF THE PEOPLE'S REPUBLIC OF CHINA
(21) 2035811	(22) 15.03.2022	(74) drs. P.A. van Essen c.s.
(22) 18.03.2022	(54) Electric bicycle, and control unit for use in such a bicycle	(72) Feng Xue
(54) A sealing mark, a package and methods	(71) VANMOOF B.V.	Qingqing Pang
(62) 2031320 (18.03.2022)	(74) ir. H.Th. van den Heuvel c.s.	Lin Zhang
(71) Roelof Voerman	(72) Jean-Paul Niellissen	Fuquan Peng
(74) ir. H.A. Witmans c.s.	Ties Jonan Midas Carlier	(51) C07J 9/00
(72) Roelof Voerman	Job Hendrik Stehmann	C12P 33/06
(51) B60B 39/00	(41) 27.09.2023	(21) 2035768
B62D 57/024		(22) 08.09.2023

(54) METHOD FOR HYDROXYLATION OF BILE ACIDS OR ANALOGUES THEREOF	(41) 27.09.2023 (51) E02F 3/88 E02F 3/92 E01H 1/00 E01H 1/04 E01H 1/08 A01G 20/40	(71) Chongqing Vocational Institute of Engineering (74) ir. W.J.J.M. Kempes (72) Jinguo Zhou (31) 202210287182.X (32) 22.03.2022 (33) China
(71) Centriert Pharmaceuticals Netherlands B.V.	(21) 2031279	(51) F16G 11/14 D07B 1/14 D07B 1/18
(74) A. Rivière	(22) 15.03.2022	(21) 2033909 (22) 04.01.2023
(72) Morten Martinus Cernelis Harald van Schie	(54) DEVICE FOR COLLECTING THRASH FROM ROADSIDES AND METHOD THEREFOR	(54) flexible cable with increased life span, and a method for producing a flexible cable
Juan-José Barrero Peña	(71) REMA Holding BV	(71) CABIN AIR GROUP B.V.
Andrey I. Kononov	(74) dr. ir. G.J.C. Verdijck c.s.	(74) ir. R. Wijnstra
Philipp Süß	(72) Piet Regnerus	(72) Rinze Jan van der Schuit
Vishnu Sinha Tumkur Srinivasamurthy	(72) Wilko Regnerus	(31) 2031274 2033210 (32) 14.03.2022 03.10.2022
(51) C12R 1/225 A61K 35/747 A61P 3/06 C12N 1/20	(41) 27.09.2023	(33) Netherlands Netherlands
(21) 2035174	(51) E04B 1/74 E04F 13/08 E04C 2/284	(51) F23C 9/08 F23D 14/20 F23G 7/06 F23D 99/00
(22) 26.06.2023	(21) 2031255 (22) 11.03.2022	(21) 2033569 (22) 18.11.2022
(54) LACTOBACILLUS FERMENTUM AND APPLICATIONS OF LACTOBACILLUS FERMENTUM IN PREPARATION FOR IMPROVING HYPERLIPIDEMIA	(54) Insulation panel, method of producing thereof and method of installation thereof.	(54) Flameless combustion of hydrocarbons
(71) Chongqing Tianyou Dairy Co. Ltd.	(71) Isowall B.V.	(71) WTE-Tech B.V.
(74) drs. C.M.A. Quintelier	(74) ir. H.C. de Lange	(74) dr. A. Krebs
(72) Jing Wang	(72) David Dorenbos	(72) Johannus Petrus van den Berg
Yadan Deng	Twan Wesel	(41) 27.09.2023
Feng Zhang	(41) 20.09.2023	(51) F24S 20/70 B63B 35/34 H02S 20/00
Qiang Wang	(51) E04H 3/10 A63C 19/02	(21) 2034895 (22) 18.02.2022
Xi Shu	(21) 2031267 (22) 14.03.2022	(54) Pontoon for a solar energy system, use of a pontoon for a solar energy system, and method of manufacturing a pontoon for a solar energy system
Manni Yin	(54) Transportable system for providing a temporary sport court on a foundation, and method for providing a temporary sport court	(62) 2031014 (18.02.2022)
Yuanyuan Jiang	(71) El Pop-Up B.V.	(71) Texel4Trading B.V.
Lin Peng	(74) ir. R. Wijnstra	(74) dr. mr. ir. D.B. van Dam
Zuguo Chen	(72) Thomas Huibertus Sebastiaan Hoffman	(72) Nicolaas Johannes Wilhelmina Hendrikus Schermer
Cuiqing Jia	Dirk van der Weijden	(31) 21158308.3 (32) 19.02.2021 (33) European Patent Office (EPO)
(31) 2022114777778	Casper Rensen	(51) G01M 15/10 (21) 2031310 (22) 16.03.2022
(32) 23.11.2022	(51) E06B 9/32 E06B 9/26 E06B 9/30	(54) EJECTOR TEST DEVICE FOR HYDROGEN FUEL CELL ENGINE AND TEST METHOD
(33) China	(21) 2034338 (22) 15.03.2023	(71) China Automotive Technology and Research Center Co., Ltd. CATARC New Energy Vehicle Test Center (Tianjin) Co., Ltd.
(51) C23C 16/511 H01J 37/32 C23C 16/455	(54) WINDOW BLIND	(74) ir. M.B. Plaggenborg (72) Zirong Yang Xin Zhao Dong Hao Yanyi Zhang Xuefeng Ji
(21) 2031257 (22) 11.03.2022	(71) Nien Made Enterprise Co., Ltd.	
(54) Apparatus and method for plasma enhanced chemical vapour deposition	(74) dr. R.C. van Duijvenbode c.s.	
(71) LeydenJar Technologies B.V.	(72) Shui-Dong Wei	
(74) dr. A. Krebs	Lei Luo	
(72) Pavel Kudlacek	Lin Chen	
Arjen Didden	(31) 202220642916.7	
(41) 20.09.2023	111202817	
(51) D07B 1/18	(32) 23.03.2022	
(21) 2031274 (22) 14.03.2022	18.03.2022	
(54) Flexible cable with increased life span, and a method for producing a flexible cable	(33) China	
(71) CABIN AIR GROUP B.V.	Taiwan, Chinese Taipei	
(74) ir. R. Wijnstra	(51) F16F 15/067 B64D 47/08	
(72) Rinze Jan van der Schuit	(21) 2034343 (22) 15.03.2023	
(51) E01H 1/08 E01C 23/082	(54) UNMANNED AERIAL VEHICLE STABILIZER FOR AERIAL PHOTOGRAMMETRY	
(21) 2031275 (22) 15.03.2022		
(54) Inrichting, systeem en werkwijze voor het verwijderen van markeringsmateriaal		
(71) Heijmans N.V.		
(74) ir. A. Blokland c.s.		
(72) Norbertus Johannes van de Wiel Pieter Brouwer		

Guang Chen	(21) 2031728	AND ELECTRONIC DEVICE
Ruidi Wang	(22) 28.04.2022	MANUFACTURING METHOD
Renguang Wang	(54) Consistency-regularization based	(71) Gigaphoton Inc.
Minghui Ma	approach for mitigating catastrophic	(74) ir. A. Blokland c.s.
Xiaobing Wang	forgetting in continual learning	(72) Shogo Kitasaka
(51) G01N 11/12	(71) NavInfo Europe B.V.	(31) 2022-040629
B01F 33/453	(74) mr. ir. J. van Breda c.s.	(32) 15.03.2022
B01F 31/441	(72) Elahe Arani	(33) Japan
B01F 35/71	Prashant Shivaram Bhat	
B01F 35/21	Bahram Zonooz	
G01N 35/00	(41) 20.09.2023	
B01F 35/50	(31) 17/686,276	
G01N 27/02	(32) 03.03.2022	
G01N 33/14	(33) United States of America	
G01N 11/00	(51) G06Q 50/00	
G01N 27/06	(21) 2033287	
G01N 33/04	(22) 12.10.2022	
G01N 33/02	(54) Method for building a user interface for a	
(21) 2031246	dairy product	
(22) 11.03.2022	(71) Lely Patent N.V.	
(54) Meetsysteem voor levensmiddelen	(74) ir. M.J.F.M. Corten	
(71) Lanvi Patent B.V.	(72) Maria Lucia Elizabeth Boots	
(74) ir. M.J.F.M. Corten	Johannes Jacobs	
(72) Frans Emo Diderik van Halsema	(41) 20.09.2023	
(41) 20.09.2023	(51) G06Q 50/20	
(51) G01N 33/02	G09B 5/14	
G01N 27/06	(21) 2031289	
B01F 35/21	(22) 15.03.2022	
B01F 35/50	(54) INTELLIGENT INTERACTIVE SYSTEM	
G01N 11/00	FOR EDUCATIONAL INNOVATION AND	
G01N 33/04	ENTREPRENEURSHIP TRAINING	
B01F 33/453	(71) Anqing Normal University	
B01F 35/71	(74) ir. W.J.J.M. Kempes	
G01N 11/12	(72) Fengxia Tang	
G01N 27/02	(41) 27.09.2023	
G01N 33/14	(51) H02S 20/23	
G01N 35/00	H02S 30/00	
B01F 31/441	F24S 30/20	
(21) 2031245	F24S 30/00	
(22) 11.03.2022	(21) 2031243	
(54) Meetsysteem voor levensmiddelen	(22) 10.03.2022	
(71) Lanvi Patent B.V.	(54) Montage-eenheid voor zonnepanelen	
(74) ir. M.J.F.M. Corten	(71) Tinteq Holding B.V.	
(72) Frans Emo Diderik van Halsema	(74) ir. M. van der Velden	
(41) 20.09.2023	(72) Matthijs Amandus Barentsen	
(51) G06F 16/2458	Jasper Beekmann	
G06F 17/13	(41) 20.09.2023	
(21) 2032501	(51) H03F 1/02	
(22) 15.07.2022	H03F 3/195	
(54) A METHOD AND A SYSTEM FOR	H03F 1/56	
IDENTIFYING AND POSITIONING	H01L 23/66	
SEWER CLOGGING	H03F 3/213	
(71) QINGDAO UNIVERSITY OF	(21) 2031290	
TECHNOLOGY	(22) 15.03.2022	
(74) ir. A. Blokland c.s.	(54) RF POWER AMPLIFIER	
(72) Fangchao Zhao	(71) Ampleon Netherlands B.V.	
Zhichao Li	(74) dr. ir. G.J.C. Verdijck c.s.	
Xiaodong Wang	(72) Junlei Zhao	
Ning Li	Yi Zhu	
Changqing Liu	Radjindrepersad Gajadharsing	
Harsha Ratnaweera	(41) 27.09.2023	
(31) 202210260266.4	(51) H05G 2/00	
(32) 16.03.2022	G03F 7/20	
(33) China	(21) 2034072	
(51) G06N 3/08	(22) 02.02.2023	
G06N 3/04	(54) EXTREME ULTRAVIOLET LIGHT	
G06N 3/0895	GENERATION APPARATUS	
G06N 3/096		

NP2

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

(51) A01G 9/04 A01G 31/04	(72) Pierre Philippe Cherelle Felipe Gomez Julien De Muyter Gil Lauwers	(73) Baggermaatschappij Boskalis B.V. (72) Hendrikus Wilhelmus van Dam Mark Lugthart
(11) 2031269 (47) 20.09.2023 (22) 14.03.2022	(74) dr. ir. G.J.C. Verdijck c.s.	(74) ir. F.A. Geurts c.s.
(54) CULTIVATION TROUGH AND TRANSPORT SYSTEM	(51) A61F 2/66 (11) 2031270 (47) 20.09.2023 (22) 14.03.2022	(51) B28B 23/00 E04G 15/06 F24D 3/14 E04B 5/48 (11) 2031247 (47) 20.09.2023 (22) 11.03.2022
(73) PB Techniek B.V. (72) Koenraad Hedricus Maria Brabander (74) dr. ir. G.J.C. Verdijck c.s.	(54) PROSTHESIS OR ORTHOSIS WITH A MODULAR HINGE STIFFNESS	(54) A method for providing a pattern of pipes, tubes and/or cables within a volume that is to be included in a construction element, and a system for use in such a method
(51) A01N 1/02 C12M 1/00 (11) 2034217 (47) 20.09.2023 (22) 23.02.2023	(73) AXILES BIONICS BV (72) Julien De Muyter Gil Lauwers Pierre Philippe Cherelle Felipe Gomez	(73) Wavin B.V. (72) Earnst Korné Brinkhuis Bradley Scott Pierik (74) dr. ir. F.M. van Bouwelen
(54) THAWING PLANT FOR FROZEN EMBRYOS	(74) dr. ir. G.J.C. Verdijck c.s.	(51) B29C 51/30 (11) 2032624 (47) 27.09.2023 (22) 27.07.2022
(73) Bo Ma (72) Bo Ma Wenjiao Tu Luo Niu Yuesong Hao	(51) B01D 53/02 B01J 20/30 (11) 2031887 (47) 20.09.2023 (22) 17.05.2022	(54) A stretchable layer for a reconfigurable mold, a stretchable heating blanket, a membrane, an apparatus for making a three-dimensionally curved object, and a stretchable layer fabrication method
(74) dr. T. Wittop Koning PhD	(54) PREPARATION METHOD AND APPLICATION OF MATERIAL FOR REMOVING GASEOUS IODINE	(73) Curve Works Holding B.V. (72) François Geuskens (74) ir. M. van der Velden (31) 2031298 (32) 15.03.2022 (33) Netherlands
(51) A43B 7/1455 A43D 1/02 A43B 17/00 (11) 2031277 (47) 27.09.2023 (22) 15.03.2022	(73) Radiation Environmental Monitoring Station of Hainan province (72) Yishi Chen Kan Fu Lan Fu Donghai Xie	(51) B62J 6/16 B62K 23/02 B62J 11/00 B62J 43/30 B62J 50/22 B62M 6/45 B62M 6/50 B62K 19/30 B62K 23/06 (11) 2031283 (47) 27.09.2023 (22) 15.03.2022
(54) INSOLE FOR PATIENTS HAVING PLANTAR FASCIITIS	(74) dr. T. Wittop Koning PhD	(54) Electric bicycle and charging device for use in such an electric bicycle
(73) Procs B.V. (72) Thomas Benjamin Joseph de Windt (74) ir. A. van der Maarl	(51) B01F 35/50 G01N 35/00 B01F 35/71 G01N 11/10 B01F 33/453 B01F 35/21 G01N 27/02 B01F 31/441 G01N 33/02 G01N 33/04 G01N 33/14 G01N 11/00 G01N 11/12 G01N 27/06	(73) VANMOOF B.V. (72) Ties Jonan Midas Carlier Job Hendrik Stehmann Jean-Paul Niellissen (74) ir. H.Th. van den Heuvel c.s.
(51) A47B 3/00 A47B 43/00 A47B 3/12 B60P 3/36 (11) 2033490 (47) 20.09.2023 (22) 09.11.2022	(11) 2031248 (47) 20.09.2023 (22) 11.03.2022	(51) B62J 11/10 B62K 19/40 B62M 6/90 (11) 2031287 (47) 27.09.2023 (22) 15.03.2022
(54) FOLDABLE-INTO-BUNDLE TYPE KITCHEN CABINET STRUCTURE	(54) Meetsysteem voor levensmiddelen	
(73) ZHEJIANG HENGFENG TOP LEISURE CO., LTD.	(73) Lanvi Patent B.V. (72) Frans Emo Diderik van Halsema (74) ir. M.J.F.M. Corten	
(72) Baoqing Yang Xiaoming Lu Haoran Yang	(51) B09C 1/02 (11) 2031251 (47) 20.09.2023 (22) 11.03.2022	
(74) ir. H.Th. van den Heuvel c.s. (31) 202122747665.7 (32) 10.11.2021 (33) China	(54) METHOD FOR CLEANING A CONTAMINATED SAND CONTAINING COMPOSITION	
(51) A61F 2/66 (11) 2031271 (47) 20.09.2023 (22) 14.03.2022		
(54) PROSTHESIS OR ORTHOSIS WITH VARIABLE HINGE STIFFNESS		
(73) AXILES BIONICS BV		

(54) Electric bicycle and charging device for use in such an electric bicycle	EEN HYGIENISCHE OF STERIELE OMGEVING	(54) MULTI-LAYER COMPOSITE BARRIER FILM BASED ON REDUCED GRAPHENE OXIDE AND PREPARATION METHOD AND APPLICATION
(73) VANMOOF B.V.	(73) Vreugdenhil Groep B.V.	(73) Changsha University of Science & Technology
(72) Ties Jonan Midas Carlier Jean-Paul Niellissen Job Hendrik Stehmann	(72) Wouter Jochem Leijen (74) dr. ir. G.J.C. Verdijck c.s.	(72) Qing Zeng Chongshan Yin Zhi Ding Xuan Du Chunqing He Litao Long
(74) ir. H.Th. van den Heuvel c.s.	(51) B65D 19/38 B65D 71/00	(74) ir. M.B. Plaggenborg
(51) B62K 19/30 B62J 45/00	(11) 1044279 (47) 20.09.2023	(31) 202111127036.2
(11) 2031284 (47) 27.09.2023	(22) 11.03.2022 (54) Reusable Pallet Tent	(32) 26.09.2021
(22) 15.03.2022 (54) Bicycle, in particular an electric bicycle, and bicycle antenna	(73) Michael Roodenburg (72) Michael Roodenburg	(33) China
(73) VANMOOF B.V.	(51) C01F 7/26 C01F 7/30	(51) C09K 11/06 C07F 3/06
(72) Jean-Paul Niellissen Job Hendrik Stehmann Ties Jonan Midas Carlier	(11) 2031288 (47) 27.09.2023	(11) 2033634 (47) 20.09.2023
(74) ir. H.Th. van den Heuvel c.s.	(22) 15.03.2022 (54) METHOD FOR PREPARING HIGH-PURITY ALUMINA BY COAL GANGUE	(22) 28.11.2022 (54) ZINC-BASED HYBRID MATERIAL FOR BLUE LIGHT EMISSION AND PREPARATION METHOD THEREOF
(51) B62M 6/45 (11) 2031285 (47) 27.09.2023	(73) Inner Mongolia University of Technology (72) Yanbing Gong Yongfeng Zhang Yujuan Zhang	(74) Institute of Applied Chemistry, Jiangxi Academy of Sciences
(22) 15.03.2022 (54) Electric bicycle, and control unit for use in such a bicycle	(74) ir. W.J.J.M. Kempes	(72) Ling Li Shengyong You Li Zhang Jiyong Zou
(73) VANMOOF B.V.	(51) C02F 3/32 (11) 2032913	(74) ir. M.B. Plaggenborg
(72) Jean-Paul Niellissen Ties Jonan Midas Carlier Job Hendrik Stehmann	(47) 20.09.2023 (22) 31.08.2022	(31) 202111545811.6
(74) ir. H.Th. van den Heuvel c.s.	(54) TOWER EARTHWORM ECOFILTER WITH HEATING FUNCTION	(32) 16.12.2021
(51) B62M 6/80 B62M 6/45	(73) NANJING INSTITUTE OF ENVIRONMENTAL SCIENCES, MINISTRY OF ECOLOGY AND ENVIRONMENT OF THE PEOPLE'S REPUBLIC OF CHINA	(33) China
(11) 2031286 (47) 27.09.2023	(72) Feng Xue Qingqing Pang Lin Zhang Fuquan Peng	(51) C23C 16/511 H01J 37/32 C23C 16/455
(22) 15.03.2022 (54) Electric bicycle and service port for use in such an electric bicycle	(74) drs. P.A. van Essen c.s.	(11) 2031257 (47) 20.09.2023
(73) VANMOOF B.V.	(51) C05F 3/00 C05F 5/00	(22) 11.03.2022 (54) Apparatus and method for plasma enhanced chemical vapour deposition
(72) Jean-Paul Niellissen Ties Jonan Midas Carlier Job Hendrik Stehmann	(11) 2030659 (47) 27.09.2023	(73) LeydenJar Technologies B.V.
(74) ir. H.Th. van den Heuvel c.s.	(22) 24.01.2022 (54) METHOD FOR PREPARING ORGANIC FERTILIZER BY MIXING DEER DUNG WITH CORN STRAWS	(72) Pavel Kudlacek Arjen Didden
(51) B63C 11/52 B63G 8/00 F17D 5/02	(73) Northeast Normal University (72) Jianling Xu Hanxi Wang Difu Yao Xinyu Wang	(74) dr. A. Krebs
(11) 2025790 (47) 20.09.2023	(74) dr. T. Wittop Koning PhD	(51) D07B 1/18 (11) 2031274
(22) 09.06.2020 (54) INTELLIGENT SYSTEM AND METHOD FOR INSPECTING OFFSHORE OIL AND GAS PIPELINES	(31) 202210033272.6 (32) 12.01.2022	(47) 20.09.2023 (22) 14.03.2022
(73) Hainan University (72) Hui Li Pengxiang Li	(33) China	(54) Flexible cable with increased life span, and a method for producing a flexible cable
(74) ir. F.A. Geurts c.s.	(51) C08J 7/048 C08K 3/04 C09D 5/00 C09D 7/62 C09D 179/02	(73) CABIN AIR GROUP B.V.
(31) 201910503666.1 (32) 12.06.2019 (33) China	(11) 2032762 (47) 27.09.2023	(72) Rinze Jan van der Schuit
(51) B65D 19/18 B65D 19/12 B65D 19/44	(22) 16.08.2022	(74) ir. R. Wijnstra
(11) 2031272 (47) 20.09.2023	(51) C08J 7/048 C08K 3/04 C09D 5/00 C09D 7/62 C09D 179/02	(51) E01H 1/08 E01C 23/082
(22) 14.03.2022 (54) PALLETHOUDER EN WERKWIJZE VOOR HET TRANSPORTEREN VAN EEN PALLET MET ZAKGOED NAAR	(11) 2032762 (47) 27.09.2023	(11) 2031275 (47) 27.09.2023
	(22) 16.08.2022	(22) 15.03.2022 (54) Inrichting, systeem en werkwijze voor het verwijderen van markeringsmateriaal
		(73) Heijmans N.V.
		(72) Norbertus Johannes van de Wiel Pieter Brouwer

(74) ir. A. Blokland c.s.	(54) Flameless combustion of hydrocarbons	(22) 28.04.2022
(51) E02F 3/88	(73) WTE-Tech B.V.	(54) Consistency-regularization based approach for mitigating catastrophic forgetting in continual learning
E02F 3/92	(72) Johannus Petrus van den Berg	(73) Navinfo Europe B.V.
E01H 1/00	(74) dr. A. Krebs	(72) Elahe Arani
E01H 1/04	(51) G01N 1/02	Prashant Shivaram Bhat
E01H 1/08	G01N 1/38	Bahram Zonooz
A01G 20/40	(11) 2031895	(74) mr. ir. J. van Breda c.s.
(11) 2031279	(47) 27.09.2023	(31) 17/686,276
(47) 27.09.2023	(22) 17.05.2022	(32) 03.03.2022
(22) 15.03.2022	(54) DISSOLUTION-METHOD SAMPLING	(33) United States of America
(54) DEVICE FOR COLLECTING THRASH FROM ROADSIDES AND METHOD THEREFOR	DEVICE FOR LARGE-AREA SURFACE	(51) G06Q 50/00
(73) REMA Holding BV	(73) DALIAN MARITIME UNIVERSITY	(11) 2033287
(72) Piet Regnerus	(72) Qinggong Zheng	(47) 20.09.2023
Wilko Regnerus	Bin Zhang	(22) 12.10.2022
(74) dr. ir. G.J.C. Verdijck c.s.	Xing Feng	(54) Method for building a user interface for a dairy product
(51) E04B 1/74	Yafei Guo	(73) Lely Patent N.V.
E04F 13/08	Wanqing Wu	(72) Maria Lucia Elizabeth Boots
E04C 2/284	Qing Chen	Johannes Jacobs
(11) 2031255	(74) ir. M.B. Plaggenborg	(74) ir. M.J.F.M. Corten
(47) 20.09.2023	(31) 202110587187.X	(51) G06Q 50/20
(22) 11.03.2022	(32) 27.05.2021	G09B 5/14
(54) Insulation panel, method of producing thereof and method of installation thereof.	(33) China	(11) 2031289
(73) Isowall B.V.	(51) G01N 11/12	(47) 27.09.2023
(72) David Dorenbos	B01F 33/453	(22) 15.03.2022
Twan Wesel	B01F 31/441	(54) INTELLIGENT INTERACTIVE SYSTEM FOR EDUCATIONAL INNOVATION AND ENTREPRENEURSHIP TRAINING
(74) ir. H.C. de Lange	B01F 35/71	(73) Anqing Normal University
(51) E04H 3/10	B01F 35/21	(72) Fengxia Tang
A63C 19/02	G01N 35/00	(74) ir. W.J.J.M. Kempes
(11) 2031267	B01F 35/50	(51) G08G 5/00
(47) 20.09.2023	G01N 27/02	(11) 2030658
(22) 14.03.2022	G01N 33/14	(47) 27.09.2023
(54) Transportable system for providing a temporary sport court on a foundation, and method for providing a temporary sport court	G01N 11/00	(22) 23.01.2022
(73) El Pop-Up B.V.	G01N 27/06	(54) Flow Management Method of FAB Based on Distributed Decision Model
(72) Thomas Huibertus Sebastiaan Hoffman	G01N 33/04	(73) Civil Aviation Flight University of China
Dirk van der Weijden	G01N 33/02	Weijun Pan
Casper Rensen	(11) 2031246	(72) Yuanfei Leng
(74) ir. R. Wijnstra	(47) 20.09.2023	Weijun Pan
(51) F03D 13/10	(22) 11.03.2022	Qinghai Zuo
B63B 21/50	(54) Meetsysteem voor levensmiddelen	Rundong Wang
F03D 13/25	(73) Lanvi Patent B.V.	Xuan Wang
F03D 13/20	(72) Frans Emo Diderik van Halsema	Li Chen
B63B 35/38	(74) ir. M.J.F.M. Corten	Haotian Luo
E02B 17/02	(51) G01N 33/02	(74) dr. T. Wittop Koning PhD
(11) 2033705	G01N 27/06	(51) H01J 37/21
(47) 20.09.2023	B01F 35/21	H01J 37/26
(22) 09.12.2022	B01F 35/50	H01J 37/28
(54) OFFSHORE PLATFORM	G01N 11/00	(11) 2029294
(73) Murata Yuatsukikai Co., Ltd.	G01N 33/04	(47) 27.09.2023
(72) Kohei Murata	B01F 33/453	(22) 30.09.2021
(74) dr. ir. G.J.C. Verdijck c.s.	B01F 35/71	(54) Multiple particle beam microscope and associated method with fast autofocus around an adjustable working distance
(31) 2021-201555	G01N 11/12	(73) Carl Zeiss MultiSEM GmbH
(32) 13.12.2021	G01N 27/02	(72) Dirk Zeidler
(33) Japan	G01N 33/14	Stefan Schubert
(51) F23C 9/08	G01N 35/00	Ingo Mueller
F23D 14/20	B01F 31/441	(74) ir. H.A. Witmans c.s.
F23G 7/06	(11) 2031245	(31) 10 2020 125 534.9
F23D 99/00	(47) 20.09.2023	(32) 30.09.2020
(11) 2033569	(22) 11.03.2022	(33) Germany
(47) 27.09.2023	(54) Meetsysteem voor levensmiddelen	(51) H01J 37/21
(22) 18.11.2022	(73) Lanvi Patent B.V.	
	(72) Frans Emo Diderik van Halsema	
	(74) ir. M.J.F.M. Corten	
	(51) G06N 3/08	
	G06N 3/04	
	G06N 3/0895	
	G06N 3/096	
	(11) 2031728	
	(47) 20.09.2023	

H01J 37/28
H01J 37/26
(11) 2031161
(47) 27.09.2023
(22) 04.03.2022
(54) Multiple particle beam microscope and associated method with fast autofocus with special embodiments
(73) Carl Zeiss MultiSEM GmbH
(72) Thomas Schmid
Ingo Mueller
Stefan Schubert
Dirk Zeidler
Walter Pauls
(74) ir. H.A. Witmans c.s.
(31) 10 2021 105 201.7
(32) 04.03.2021
(33) Germany

(51) H02S 20/23
H02S 30/00
F24S 30/20
F24S 30/00
(11) 2031243
(47) 20.09.2023
(22) 10.03.2022
(54) Montage-eenheid voor zonnepanelen
(73) Tinteq Holding B.V.
(72) Matthijs Amandus Barentsen
Jasper Beekmann
(74) ir. M. van der Velden

(51) H03F 1/02
H03F 3/195
H03F 1/56
H01L 23/66
H03F 3/213
(11) 2031290
(47) 27.09.2023
(22) 15.03.2022
(54) RF POWER AMPLIFIER
(73) Ampleon Netherlands B.V.
(72) Junlei Zhao
Yi Zhu
Radjindrepersad Gajadharsing
(74) dr. ir. G.J.C. Verdijck c.s.

NP3

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

EP1

Vertaalde conclusies van Europese octrooiaanvragen.

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

EP2

Voor Nederland verleende Europese octrooien.

Contains data concerning European patents granted for The Netherlands.

(51) A01B 23/02 A01B 39/18	(73) Kverneland Group Soest GmbH	(54) ROOT CROP HARVESTER COMPRISING AN ELEVATOR FOR LIFTING ROOT CROPS
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(51) B21D 17/04	(73) Schaeffler Technologies GmbH & Co. KG	B22D 47/00
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(72) Kratochwill, Jürgen	(73) Strataysys Ltd.	FISCHER, Michael
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MATERIAL, AND METHOD FOR	B33Y 30/00	(51) B29C 64/153
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(54) CLIMATE CONTROLLED VEHICLE, TRANSPORT CLIMATE CONTROL EQUIPMENT, METHOD OF RETROFITTING A VEHICLE AND METHOD OF OPERATION	B60J 9/04	(73) Konvekta Aktiengesellschaft
(73) Thermo King LLC	F24F 9/00	(72) Sonnekalb, Michael
(72) VILA SOLER, Joan	F25D 23/02	(51) B60J 1/00
FERNANDEZ BLANCO, Inaki	(11) EP3549802	B60J 7/04
GARCIA FARRAN, Jordi	(21) EP19166842.5	(11) EP3944976
RAFECAS SABATE, Josep	(47) 27.09.2023	(21) EP20187987.1
(51) B60H 1/00	(22) 02.04.2019	(47) 27.09.2023
B60L 58/24	(54) AN AIR CURTAIN, AND A VEHICLE COMPRISING AN AIR CURTAIN	(22) 27.07.2020
(11) EP3915814	(73) H.OPDAM MANAGEMENT B.V.	(54) PANEL AND OPEN ROOF CONSTRUCTION PROVIDED THEREWITH
(21) EP20901192.3	(72) OPDAM, Joannes Jozef Gerardus	(73) Inalfa Roof Systems Group B.V.
(47) 27.09.2023	OPDAM, Thomas Theodorus Jozef	(72) Albers, Thomas Anton Martijnszoon
(87) CN2020121584	(31) 2020728	(51) B60K 1/00
24.06.2021	(32) 06.04.2018	B60K 6/40
(22) 16.10.2020	(33) Netherlands	B60K 17/04
(54) VEHICLE THERMAL MANAGEMENT SYSTEM AND VEHICLE	(51) B60H 1/24	B60K 7/00
(73) Guangdong Xiaopeng Motors Technology Co., Ltd.	F24F 13/24	B60K 17/356
(72) LV, Yang	(11) EP3856556	(11) EP3390128
	(21) EP19779533.9	(21) EP16876756.4
		(47) 27.09.2023
		(87) US2016067136

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(22) 16.12.2016	FINKENZELLER, Marc	CRYOGENIC CONTAINER HAVING A
(54) AXLE ASSEMBLY FOR A VEHICLE	(31) 102019106653	CONNECTION PROTRUDING OUT OF
(73) Allison Transmission, Inc.	(32) 15.03.2019	THE CONTAINER SHELL
(72) KUCHARSKI, Cyril	(33) Germany	(73) Cryoshelter GmbH
(31) 201662333032 P	(51) B60K 7/00	(72) REBERNIK, Matthias
201562268852 P	B60G 7/00	(31) 5016119 U
(32) 06.05.2016	(11) EP4019310	(32) 05.09.2019
17.12.2015	(21) EP21208310.9	(33) Austria
(33) United States of America	(47) 27.09.2023	(51) B60K 15/07
United States of America	(22) 15.11.2021	B60K 15/063
(51) B60K 1/00	(54) INDEPENDENT DRIVE MODULE	B60K 1/00
F16H 47/08	(73) Hyundai Mobis Co., Ltd.	B60K 1/04
F16H 47/06	(72) CHOI, Won Hyok	(11) EP4045351
F16H 41/30	MIN, Kyongwon	(21) EP20793833.3
B60K 17/26	(31) 20200186300	(47) 27.09.2023
(11) EP3722640	20200184815	(87) NL2020050642
(21) EP20167947.9	(32) 29.12.2020	22.04.2021
(47) 27.09.2023	28.12.2020	(22) 19.10.2020
(22) 03.04.2020	(33) Korea (Republic)	(54) A SYSTEM FOR STORING
(54) DRIVE UNIT	Korea (Republic)	PRESSURISED FUEL ON A TRUCK
(73) Exedy Corporation	(51) B60K 13/04	(73) DAF Trucks N.V.
(72) MATSUOKA, Yoshihiro	B60K 15/03	(72) WEIJENBORG, Bernardus Johannes
(31) 2019074898	(11) EP3319830	Maria
(32) 10.04.2019	(21) EP16736435.5	VAN DER KNAAP, Albertus Clemens
(33) Japan	(47) 27.09.2023	Maria
(51) B60K 6/387	(87) EP2016065953	(31) 2024051
B60K 6/442	12.01.2017	(32) 18.10.2019
B60K 6/547	(22) 06.07.2016	(33) Netherlands
B60K 6/54	(54) FROST-RESISTANT OPERATING	(51) B60K 35/00
B60K 6/48	FLUID CONTAINER WITH MOVABLE	B60Q 1/50
F16H 3/00	PARTS	B60R 11/02
F16H 3/08	(73) Kautex Textron GmbH & Co. KG	B60R 16/02
(11) EP3768989	(72) GRUNERT, Ottmar	(11) EP3835105
(21) EP19795106.4	KOUKAN, Ibrahim	(21) EP19848437.0
(47) 27.09.2023	SCHUMACHER, Nicolai	(47) 27.09.2023
(87) EP2019077892	(31) 102015212904	(87) JP2019030579
10.09.2020	(32) 09.07.2015	13.02.2020
(22) 15.10.2019	(33) Germany	(22) 02.08.2019
(54) HYBRID TRANSMISSION FOR MOTOR	(51) B60K 15/05	(54) VEHICLE DISPLAY SYSTEM AND
VEHICLE, AND MOTOR VEHICLE	B62D 25/24	VEHICLE
POWERTRAIN	(11) EP4019312	(73) KOITO MANUFACTURING CO., LTD.
(73) ZF Friedrichshafen AG	(21) EP21215286.2	(72) SHIBATA, Yoshinori
(72) BECK, Stefan	(47) 27.09.2023	KAMIYA, Misako
KUTTER, Fabian	(22) 16.12.2021	TAKII, Naoki
BREHMER, Martin	(54) COVERING DEVICE, IN PARTICULAR	NAKABAYASHI, Masaaki
HORN, Matthias	A LOADING FLAP DEVICE, WITH A	FUSHIMI, Yoshiaki
MARTIN, Thomas	COVER COMPONENT FOR CLOSING	(31) 2018152957
WECHS, Michael	AND RELEASING AN OPENING IN A	2018147734
KROH, Thomas	VEHICLE BODY	(32) 15.08.2018
BAYER, Oliver	(73) Valmet Automotive Oy	06.08.2018
ZIEMER, Peter	(72) Kreiling, Nils	(33) Japan
KALTENBACH, Johannes	Hämmerling, Nils	Japan
BACHMANN, Max	(31) 102021111573	(51) B60K 37/02
(31) 102019202973	102020134314	F21V 8/00
(32) 05.03.2019	(32) 04.05.2021	(11) EP4105055
(33) Germany	18.12.2020	(21) EP22173798.4
(51) B60K 6/387	(33) Germany	(47) 27.09.2023
F16D 25/08	Germany	(22) 17.05.2022
(11) EP3938231	(51) B60K 15/067	(54) FUNCTION DISPLAY FOR
(21) EP20708413.8	B60K 15/07	SELECTIVELY DISPLAYING
(47) 27.09.2023	(11) EP4025447	A PLURALITY OF SYMBOLS
(87) DE2020100087	(21) EP20760372.1	REPRESENTING A SWITCHING
24.09.2020	(47) 27.09.2023	FUNCTION AND / OR A PLURALITY
(22) 11.02.2020	(87) AT2020060300	OF SWITCHING STATES WITH
(54) HYBRID MODULE HAVING A	11.03.2021	ALIGNMENT FUNCTION OF
DISCONNECT CLUTCH	(22) 12.08.2020	THE LIGHT SOURCES AND
(73) Schaeffler Technologies AG & Co. KG		

CORRESPONDING METHOD OF ASSEMBLY	(54) METHOD AND SYSTEM FOR RECONNECTING A POWER SOURCE TO AN ELECTRICAL SYSTEM INCLUDING TWO VOLTAGE LEVELS, ESPECIALLY AFTER A CRASH	(33) Germany
(73) Preh GmbH		(51) B60L 50/50
(72) SCHUSTEK, Wolfgang		B60K 6/22
BENKERT, Michael		E02F 9/26
(31) 102021115868	(73) Volvo Car Corporation	B60L 58/13
(32) 18.06.2021	(72) FOGELBERG, Fabian	(11) EP3666584
(33) Germany	VÄNERHAV, Axel	(21) EP18932314.0
(51) B60L 1/00		(47) 27.09.2023
H02J 1/14	(51) B60L 5/12	(87) JP2018036518
(11) EP3088235	(11) EP3909800	02.04.2020
(21) EP16167022.9	(21) EP20174480.2	(22) 28.09.2018
(47) 27.09.2023	(47) 27.09.2023	(54) ELECTRIC-POWERED CONSTRUCTION MACHINE
(22) 26.04.2016	(22) 13.05.2020	(73) Hitachi Construction Machinery Tierra Co., Ltd.
(54) ENERGY MANAGEMENT SYSTEM FOR AN AGRICULTURAL VEHICLE ASSEMBLY	(54) A TROLLEY POLE ARRANGEMENT, AND A METHOD FOR PREVENTING SHORT CIRCUITS AND MECHANICAL DAMAGES IN A TROLLEY POLE ARRANGEMENT	(72) NOMURA, Takuya
(73) Deere & Company		YUNOUE, Masayuki
(72) Fritz Dr., Norbert	(73) Sandvik Mining and Construction Oy	TAKAGI, Wataru
Böhm Dr., Barbara	(72) JUNTUNEN, Raimo	YUKAWA, Hiromu
Gugel, Rainer	KOMU, Raimo	YAMAMOTO, Yuki
Münch Dr., Philipp		(51) B60L 50/53
Regenauer, John W	(51) B60L 7/14	B60L 50/40
(31) 102015207965	B60L 7/10	B60L 50/30
(32) 29.04.2015	B60T 1/10	B60L 50/51
(33) Germany	B60W 10/08	B60L 58/40
(51) B60L 3/00	B60W 10/18	B60L 3/00
G01R 31/00	B60W 20/00	B60L 1/00
G01R 31/52	B60W 20/14	B60L 9/22
B60L 53/62	(11) EP3829943	B60L 15/00
B60L 53/66	(21) EP19843991.1	B60L 15/20
B60L 53/20	(47) 27.09.2023	B60L 8/00
H02M 1/36	(87) US2019044332	(11) EP2738034
B60L 58/20	06.02.2020	(21) EP11870374.3
(11) EP4052948	(22) 31.07.2019	(47) 27.09.2023
(21) EP22160006.7	(54) SYSTEM AND METHOD FOR REGENERATIVE BRAKING TORQUE SCHEDULING	(87) JP2011067489
(47) 27.09.2023		07.02.2013
(22) 03.03.2022	(73) Cummins, Inc.	(22) 29.07.2011
(54) ACTIVE SYMMETRIZATION VIA INSULATION MONITORING FOR ELECTRICAL VEHICLE INTEROPERABILITY WITH CHARGING STATIONS	(72) BOOKS, Martin T.	(54) ELECTRIC VEHICLE PROPULSION CONTROL DEVICE
	BAQUETTE, Joseph E.	(73) Mitsubishi Electric Corporation
(73) VOLVO CAR CORPORATION	(31) 201862713142 P	(72) HATANAKA, Keita
(72) SAGLAM, Ustun	(32) 01.08.2018	(51) B60L 50/60
GANNAMANENI, Narendar Rao	(33) United States of America	B60L 50/40
(31) 202217651496	(51) B60L 50/15	B60L 55/00
202163157218 P	B60L 15/20	B60L 53/24
(32) 17.02.2022	B60L 58/10	H02J 1/00
05.03.2021	B60L 7/10	H02M 1/00
(33) United States of America	B60L 50/61	H02M 5/44
United States of America	B60K 6/28	H02M 7/483
(51) B60L 3/04	B60L 50/53	H02M 7/487
B60L 3/00	B60L 58/13	H02P 27/14
H02H 11/00	B60W 20/13	(11) EP3765328
H02H 9/00	B60W 20/15	(21) EP19768539.9
B60L 58/20	B61C 3/02	(47) 27.09.2023
H02H 1/00	(11) EP4010215	(87) US2019021845
H02J 7/00	(21) EP20764023.6	19.09.2019
H02H 3/06	(47) 27.09.2023	(22) 12.03.2019
B60W 30/08	(87) EP2020072774	(54) MULTILEVEL MOTOR DRIVE WITH INTEGRATED BATTERY CHARGER
B60W 50/02	01.04.2021	(73) Jabil Inc.
B60R 21/00	(22) 13.08.2020	(72) DANNER, Jeffrey David
(11) EP3663121	(54) METHOD FOR OPERATING A RAIL VEHICLE AND RAIL VEHICLE	(31) 201862641809 P
(21) EP18209778.2	(73) Siemens Mobility GmbH	(32) 12.03.2018
(47) 27.09.2023	(72) MELZER, Michael	(33) United States of America
(22) 03.12.2018	FISCHPERER, Rolf	(51) B60L 53/24
	MEINERT, Michael	(11) EP2540553
	(31) 102019214918	(21) EP12173724.1
	(32) 27.09.2019	(47) 27.09.2023

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(54) Systems and methods for charging	(31) 102019213946	ROCK, Arkadius
(73) General Electric Company	(32) 12.09.2019	SCHUELER, Rolf
(72) Hernandez, Yaru Najem	(33) Germany	YASEN, Mothanna
El-Barbari, Said Farouk Said	(51) B60N 2/06	(31) 202020102030 U
Vyas, Parag	(11) EP4126590	102019129502
(31) 201113172042	(21) EP21718805.1	(32) 14.04.2020
(32) 29.06.2011	(47) 27.09.2023	31.10.2019
(33) United States of America	(87) EP2021057966	(33) Germany
(51) B60L 58/10	07.10.2021	Germany
B60L 58/12	(22) 26.03.2021	(51) B60P 1/44
B60L 58/24	(54) LONGITUDINAL ADJUSTING DEVICE	B62K 7/04
(11) EP3891011	FOR A VEHICLE SEAT	B62K 21/18
(21) EP19813816.6	(73) FISHER DYNAMICS GERMANY GMBH	(11) EP3634805
(47) 27.09.2023	(72) BECKER, Hans, Burckhard	(21) EP18813392.0
(87) EP2019083444	SPECK, Axel	(47) 27.09.2023
11.06.2020	(31) 102020108920	(87) IN2018050360
(22) 03.12.2019	(32) 31.03.2020	13.12.2018
(54) METHOD FOR OPERATING AN	(33) Germany	(22) 02.06.2018
ELECTRICAL ENERGY STORE	(51) B60N 2/08	(54) CARGO SCOOTER 2/3 WHEELER
(73) Robert Bosch GmbH	B60N 2/42	LOAD CARRYING VEHICLE
(72) SARFERT, Christel	(11) EP3898322	(73) Das, Alok
BECKER, Jens	(21) EP19816579.7	K Praveen, Vijay
KROENER, Christoph	(47) 27.09.2023	(72) Das, Alok
POEHLER, Joerg	(87) EP2019083243	K Praveen, Vijay
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(32) 05.12.2018	(22) 02.12.2019	(32) 04.06.2017
(33) Germany	(54) VEHICLE SEATING DEVICE FOR AN	(33) India
(51) B60L 58/12	AUTOMOTIVE VEHICLE	(51) B60Q 1/00
(11) EP3782851	(73) VOLKSWAGEN	F21S 41/20
(21) EP20190679.9	AKTIENGESELLSCHAFT	G01S 7/481
(47) 27.09.2023	(72) BRILL, Daniel	G01S 17/931
(22) 12.08.2020	(31) 102018222061	(11) EP4031411
(54) ASSISTANCE SYSTEM FOR A RAIL	(32) 18.12.2018	(21) EP20768627.0
VEHICLE	(33) Germany	(47) 27.09.2023
(73) Siemens Mobility GmbH	(51) B60N 2/22	(87) EP2020075782
(72) Probst, Sebastian	B60N 2/36	25.03.2021
Lottersberger, Christoph	(11) EP3924217	(22) 15.09.2020
(31) 102019212695	(21) EP20705050.1	(54) LIGHT DEVICE OF A VEHICLE
(32) 23.08.2019	(47) 27.09.2023	(73) Valeo Vision
(33) Germany	(87) EP2020053520	(72) RENAUD, Pierre
(51) B60L 58/13	20.08.2020	PLANCHE, Gregory
B60L 3/00	(22) 12.02.2020	LOZANO, Anthony
B60L 3/04	(54) LOCKING DEVICE AND VEHICLE SEAT	JOERG, Alexandre
G01R 31/3842	(73) KEIPER Seating Mechanisms Co., Ltd.	(31) 1910197
G01R 31/3828	(72) MUELLER, Peter	(32) 16.09.2019
(11) EP3650265	WINDECKER, Volker	(33) France
(21) EP19204673.8	ULLMERT, Erik	(51) B60Q 1/068
(47) 27.09.2023	(31) 102019103475	(11) EP4041597
(22) 22.10.2019	(32) 12.02.2019	(21) EP20797045.0
(54) BATTERY CONTROL UNIT	(33) Germany	(47) 27.09.2023
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(51) B60N 2/225	(87) EP2020078630
(72) AKAISHI, Takayuki	B60N 2/90	15.04.2021
(31) 2018211499	F16H 1/28	(22) 12.10.2020
(32) 09.11.2018	F16H 1/32	(54) ADJUSTING DEVICE FOR A
(33) Japan	(11) EP4051531	HEADLIGHT
(51) B60N 2/00	(21) EP20800126.3	(73) EJOT SE & Co. KG
B61D 41/00	(47) 27.09.2023	(72) FISCHER, Torsten
(11) EP4007710	(87) EP2020080506	DEUTENBERG, Thomas
(21) EP20764015.2	06.05.2021	SCHROEDER, Joachim
(47) 27.09.2023	(22) 30.10.2020	RAUSCH, Uwe
(87) EP2020072595	(54) GEARING FITTING FOR A VEHICLE	MATOUSEK, Radim
18.03.2021	SEAT, AND A VEHICLE SEAT	(31) 102019127345
(22) 12.08.2020	(73) Adient US LLC	(32) 10.10.2019
(54) DISPLAY OF AN OCCUPIED AND	(72) ALBERT, Kirubakaran	(33) Germany
UNOCCUPIED SEAT IN A VEHICLE	SCHOLZ, Grit	(51) B60Q 1/12
FOR TRANSPORTING PASSENGERS	HUEBNER, Daniel	B62J 6/023
(73) Siemens Mobility GmbH	HENKEL, Dieter	F21S 41/26

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(21) EP19190701.3	(72) VAN OIRSCHOT, Petrus Adrianus	(22) 10.08.2021
(47) 27.09.2023	SCHMITT, Thomas	(54) FAR-SIDE AIRBAG APPARATUS
(22) 08.08.2019	(31) 2023346	(73) Toyota Gosei Co., Ltd.
(54) STEERING LIGHT ASSEMBLY	(32) 19.06.2019	(72) ICHIMURA, Takashi
(73) T.Y.C. Brother Industrial Co., Ltd.	(33) Netherlands	HATTA, Hiroshi
(72) SHIH, Ming-Chih	(51) B60R 9/042	SUZUKI, Kyohei
(51) B60R 1/072	B60P 1/02	MATSUZAKI, Yuji
B60R 1/074	B60R 9/08	HAYASHI, Takeki
(11) EP3768556	(11) EP3797054	HISAMINATO, Kazuki
(21) EP19720180.9	(21) EP19812508.0	(31) 2021024469
(47) 27.09.2023	(47) 27.09.2023	2020135874
(87) NL2019050171	(87) CA2019050760	(32) 18.02.2021
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(22) 21.03.2019	(22) 31.05.2019	(33) Japan
(54) DRIVE FOR AN ADJUSTING	(54) LIFT-ASSISTED RACK FOR A VEHICLE	Japan
INSTRUMENT, IN PARTICULAR FOR	(73) 9358-3433 Québec Inc.	(51) B60R 25/04
ADJUSTING AN EXTERIOR VISION	(72) BOUCHARD, Mathieu	(11) EP3573865
UNIT OF A MOTOR VEHICLE	LAURIN-LALONDE, Frédéric	(21) EP18704601.6
(73) MCI (Mirror Controls International)	GACANOVIC, Damir	(47) 27.09.2023
Netherlands B.V.	HÉBERT, Joey	(87) IB2018050460
(72) VAN STIPHOUT, Paulus Gerardus Maria	(31) 201862679518 P	02.08.2018
MAAT, Bastiaan Bartjan	(32) 01.06.2018	(22) 25.01.2018
(31) 2020641	(33) United States of America	(54) FLEET AND FLEET MANAGEMENT
(32) 21.03.2018	(51) B60R 13/02	SYSTEM OF TRACKED VEHICLES
(33) Netherlands	(11) EP3842290	(73) PRINOTH S.p.A.
(51) B60R 1/12	(21) EP20216512.2	(72) KIRCHMAIR, Martin
B60Q 1/26	(47) 27.09.2023	CASARTELLI, Richard
(11) EP3981648	(22) 22.12.2020	(31) 201700007911
(21) EP21210816.1	(54) TRIM ELEMENT FOR A VEHICLE	(32) 25.01.2017
(47) 27.09.2023	INCLUDING A SEAM AND AN	(33) Italy
(22) 07.08.2018	ELEMENT FOR PROTECTING THE	(51) B60S 3/00
(54) REARVIEW DEVICE AND VEHICLE	SEAM	A47L 7/00
WITH SUCH REAR VIEW DEVICE	(73) Faurecia Intérieur Industrie	B25J 5/00
(73) SMR Patents S.à.r.l.	(72) BEYOU, Régis	B25J 9/00
(72) HORNE, Steve	(31) 1915443	B25J 11/00
LETTIS, Andrew	(32) 23.12.2019	B25J 19/00
REHILL, Graham	(33) France	(11) EP3898354
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(32) 25.08.2017	B60R 13/08	(47) 27.09.2023
(33) Germany	B32B 27/00	(87) EP2019084921
(51) B60R 1/22	B32B 27/40	25.06.2020
H04N 7/18	B29C 44/12	(22) 12.12.2019
(11) EP4032752	B60J 7/12	(54) METHOD FOR CLEANING AN
(21) EP22152792.2	B29C 44/56	INTERIOR OF A VEHICLE, CLEANING
(47) 27.09.2023	(11) EP3565742	ROBOT, POSITIONING ROBOT AND
(22) 21.01.2022	(21) EP18827644.8	SYSTEM
(54) VEHICLE AND METHOD FOR	(47) 27.09.2023	(73) VOLKSWAGEN
GENERATING AND DISPLAYING	(87) TR2018050026	AKTIENGESELLSCHAFT
COMPOSITE IMAGES	10.01.2019	(72) SCHÜTZ, Daniel
(73) Toyota Motor Engineering &	(22) 25.01.2018	OTREMBIA, Maik
Manufacturing North America, Inc.	(54) ROOF INSULATION MATERIAL FOR	HEROLD, Stephan
(72) NAKAGAWA, Masashi	VEHICLES AND PRODUCTION	TORO RAMOS, Juan Mauricio
(31) 202117155774	METHOD	TOPPEL, Kristoph
(32) 22.01.2021	(73) Pimsa Otomotiv Anonim Sirketi	(31) 102018222654
(33) United States of America	(72) OZYEGIT, Adnan	(32) 20.12.2018
(51) B60R 7/04	YIGIT, Cem	(33) Germany
A47B 57/40	INCEKARA, Emre	(51) B60S 3/04
B62D 33/06	OZEN, Emre	B08B 3/02
B60R 11/00	OZBEN, Koksai	B08B 17/00
(11) EP3986750	TAK, Ramazan	(11) EP4021770
(21) EP20743884.7	GUR, Suleyman	(21) EP20788842.1
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(87) NL2020050375	(32) 23.02.2017	(87) FI2020050551
24.12.2020	(33) Türkiye	04.03.2021
(22) 12.06.2020	(51) B60R 21/23	(22) 25.08.2020
(54) A ROAD VEHICLE AND A CLEAT FOR	(11) EP3954587	(54) ARRANGEMENT FOR CLEANING
USE IN SUCH A ROAD VEHICLE	(21) EP21190657.3	VEHICLE TIRES

(73) Tyre Wash Tws Oy	(33) Germany	(47) 27.09.2023
(72) KARPPINEN, Juha	(51) B60T 8/1755	(87) EP2018051092
(31) 20197112	G09B 19/16	16.08.2018
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(72) TWEEDT, Daniel Lawrence	(51) B64C 15/02	B64C 27/57
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G05D 1/10	GÜROCAK, Maximilian	F02K 1/10
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(73) Liebherr-Werk Biberach GmbH	DANGEROUS OBJECTS IN AN	MALDONADO, Ye-Bonne Karina
(72) SCHÜTZ, Gebhard	ENCLOSED VEHICLE CAB	(31) 1911535
BRAMBERGER, Robert	(73) Airbus Operations GmbH	(32) 16.10.2019
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(54) PRESET CAPTURE FOR A VEHICLE	(21) EP19216870.6	SYSTEM, AND FUEL CELL SYSTEM
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(73) Gulfstream Aerospace Corporation	(54) PASSENGER SEAT ASSEMBLY	(72) Law, Barnaby
(72) SPENCER, Stephen	WITH SEAT PAN ARTICULATION	(31) 102019108158
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B60R 7/00	(21) EP21166755.5	(54) INTELLIGENT OFFLOAD OF NON-
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B60R 7/04	(22) 01.04.2021	ENGINE DURABILITY
(11) EP3774539	(54) CONTINUOUS STACKED DUAL WRAP	(73) Hamilton Sundstrand Corporation
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E04H 1/12	(54) HYDROGEN PROPULSION SYSTEMS	(54) PROPELLER TIP WARNING MARKER
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F16K 31/56	AND ASSOCIATED METHOD FOR	B65B 43/42
G05D 16/10	REDUCING DRAG DURING FLIGHT OF	B65B 7/20
B64D 37/14	AN UNMANNED AERIAL VEHICLE	(11) EP3717361
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(72) Gammon, James H.	(32) 11.05.2020	OPTIMIZING THE HEIGHT OF A BOX
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PASSENGER BOARDING BRIDGE OR	(73) Airbus Helicopters	B65D 85/60
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B64G 1/12	B65B 47/06	FIGURED EGG-SHAPED CHOCOLATE
(11) EP3831723	B65B 51/14	FOOD PRODUCT
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AND METHOD FOR PLACING A	(73) Stampac GmbH	(51) B65B 25/00
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(73) Yunitski, Anatoli Eduardovich	Lesch, Hans-Bernd	B65B 59/00
(72) Yunitski, Anatoli Eduardovich	(31) 102020122536	B65B 59/02
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H01Q 1/28	(33) Germany	B65B 61/22
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(54) ARTIFICIAL SATELLITE WITH	(54) CAPSULE-SEALING MACHINE	(22) 19.12.2019
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(73) NEC Corporation	OF SEALING HEAD FOR APPLYING	AUTOMATED PACKAGING OF SHOES
(72) MORIGUCHI, Tatsuji	A COVERING CAPSULE TO THE TOP	(73) Adidas AG
(31) 2011240400	SURFACES OF CANS AND THEIR	(72) BAUER, Ulrich
(32) 01.11.2011	IMPROVED SEALING HEAD AND CAN	STEINDORF, Ulrich
(33) Japan	EQUIPPED WITH THE COVERING	ALATORRE MERCADO, Raymundo
(51) B64U 10/13	CAPSULE	NASCIMENTO, Danilo
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B64U 50/13	(72) CASSOLI, Jacopo	KÖSTER, Claus Dieter
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(87) TR2019050421	MADE OF PLASTIC MATERIAL FOR	B65D 5/58
12.11.2020	PACKAGING FOOD PRODUCTS AND/	B65D 5/74
(22) 06.06.2019	OR FOODSTUFFS AND RELATED	B65D 77/06
(54) AUTOMATIC LID BOXING SYSTEM	CONTAINER	B65D 65/46
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(87) EP2022053884	PRODUCING SEALED PACKAGES FOR	(51) B65D 5/64
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(22) 17.02.2022	SEALED PACKAGE	B65D 5/72
(54) DEVICE AND METHOD FOR	(73) Tetra Laval Holdings & Finance S.A.	B65D 5/74
TRANSFERRING A PACKAGING	(72) Barbieri, Marcello	B65D 43/02
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PHARMACEUTICALS	Cereda, Massimiliano	B65D 75/58
(73) Syntegon Technology GmbH	De Pietri Tonelli, Roberto	(11) EP4091960
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(51) B65C 9/04	B32B 3/04	ZIROLLO, Angelo
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(73) Fameccanica.Data S.p.A.	(73) Daiwa Can Company	World Intellectual Property Office (WIPO)
(72) ZIROLLO, Angelo	(72) OHKOSHI, Toshiyuki	(51) B65D 43/16
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(54) RECLOSABLE POUR ELEMENT FOR CARDBOARD/PLASTIC COMPOSITE PACKAGING WITH AN ANCHOR RING FOR SECURELY ATTACHING A SCREW CAP	(33) Japan	(73) Alpha Werke Alwin Lehner GmbH & Co. KG
(73) SIG Combibloc Services AG	Japan	(72) KUENZ, Johann
(72) LEUENBERGER, Markus	(51) B65D 19/38	WESTHOFEN, Christa
KOLLER, David	G01L 1/14	GARCIA GRANADOS, Israel
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(73) Amcor Rigid Plastics USA, LLC	C09D 151/00	STOVER, Curtis Emmanuel
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A61K 39/00	(72) NOESSNER, Elfriede	FINK, Katja
A61P 35/00	SCHLENKER, Ramona	MACARY, Paul
A61P 37/00	WEISZ, Stephan	ZUEST, Roland
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(72) FAN, Xiaohu	Beijing Research Institute of Chemical	YANG, Qing
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A HEATER OPERABLE WITH	(22) 24.06.2020	LEE, Yongsoo
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DEVICE	(72) LIU, Guangyou	F24F 110/10
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(31) 20180066319	(47) 27.09.2023	(11) EP3814890
(32) 08.06.2018	(22) 13.07.2018	(21) EP19805070.0
(33) Korea (Republic)	(54) HOME SYSTEM	(47) 27.09.2023
<hr/>	(73) Daikin Industries, Ltd.	(87) US2019058474
(51) G06F 3/16	(72) TASAKA, Akio	07.05.2020
G06F 9/44	HIROSE, Tadashi	(22) 29.10.2019
H04M 1/725	KITaura, Yoshihiro	(54) REFINEMENT OF MACHINE
H04L 12/28	MATSUBARA, Atsushi	LEARNING ENGINES FOR
G06N 3/08	TSUBOI, Kousuke	AUTOMATICALLY GENERATING
G06N 5/046	TEI, Shimei	COMPONENT-BASED USER
H04R 27/00	KURIYAMA, Naoko	INTERFACES
(11) EP3635533	SAKAI, Seichi	(73) SALESFORCE.COM, INC.
(21) EP18834490.7	MATSUMURA, Naoki	(72) ROHDE, Sönke
(47) 27.09.2023	OHSHIMA, Hisanori	LONSDORF, Brian J.
(87) KR2018008034	GUNTURU, Naveen	(31) 201816176760
24.01.2019	MAEDA, Toshiyuki	(32) 31.10.2018
(22) 16.07.2018	TSUDA, Tetsushi	(33) United States of America
(54) ELECTRONIC APPARATUS FOR	(31) 2017213117	<hr/>
PROCESSING USER UTTERANCE	2017138612	(51) G06F 8/41
FOR CONTROLLING AN EXTERNAL	2017138627	G06F 8/71
ELECTRONIC APPARATUS AND	2017138626	G06F 8/20
CONTROLLING METHOD THEREOF	2017138625	G06F 8/53
(73) Samsung Electronics Co., Ltd.	2017138613	(11) EP3605324
(72) KIM, Joo Hwan	2017138624	(21) EP18777281.9
LEE, Sun Key	(32) 02.11.2017	(47) 27.09.2023
KIM, Kyung Tae	14.07.2017	(87) CN2018080564
YEO, Jae Yung	14.07.2017	04.10.2018
WOO, Kyoung Gu	14.07.2017	(22) 26.03.2018
YUN, Jeong Hyeon	14.07.2017	(54) APPLICATION DEVELOPMENT
LIM, Dong Sun	14.07.2017	METHOD AND TOOL, AND STORAGE
JE, Seong Min	14.07.2017	MEDIUM THEREOF
(31) 20170092590	(33) Japan	(73) Tencent Technology (Shenzhen)
(32) 21.07.2017	Japan	Company Limited
(33) Korea (Republic)	Japan	(72) GONG, Cheng
<hr/>	Japan	LIU, Yuanhong
(51) G06F 3/16	Japan	ZHANG, Ji
H04S 7/00	Japan	LI, Yuanming
(11) EP3561660	Japan	ZHONG, Yu
(21) EP18382291.5	Japan	XU, Jiangwei
(47) 27.09.2023	Japan	(31) 201710193344
(22) 27.04.2018	(51) G06F 8/35	(32) 28.03.2017
(54) DIGITAL ASSISTANT	G06Q 10/0639	(33) China
(73) Sherpa Europe, S.L.	(11) EP3516510	<hr/>
(72) URIBE-ETXEBARRIA JIMENEZ, Xabier	(21) EP17788346.9	(51) G06F 8/61
<hr/>	(47) 27.09.2023	(11) EP3821337
(51) G06F 7/58	(87) US2017053974	(21) EP19769932.5
H04L 9/32	03.05.2018	(47) 27.09.2023
(11) EP3865997	(22) 28.09.2017	(87) US2019046818
(21) EP21156119.6	(54) HOUSE OF QUALITY FOR FEDERATED	20.02.2020
(47) 27.09.2023	MANUFACTURING APPS	(22) 16.08.2019
(22) 09.02.2021	(73) Siemens Aktiengesellschaft	(54) METHODS AND APPARATUS FOR
(54) SYSTEM AND METHOD FOR	Georgia Tech Research Corporation	SAFE AND SMART DISTRIBUTION OF
GENERATING AND AUTHENTICATING	(72) CHEN, Aoyu	SOFTWARE PATCHES
A PHYSICALLY UNCLONABLE	GRUENEWALD, Thomas	(73) Ivanti, Inc.
FUNCTION	HAN, Dongmin	(72) LIVNE, Eran
(73) NXP B.V.	HUANG, Nuodi	BARON, Sébastien
(72) SCHAT, Jan-Peter	KURFESS, Thomas	(31) 201862719155 P
(31) 202016787566	LOCKS, Stephanie	(32) 17.08.2018
(32) 11.02.2020	LYNN, Roby	(33) United States of America
(33) United States of America	ROSCA, Justinian	<hr/>
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(51) G06F 11/34 G06N 20/00 G06N 20/20	(73) Beijing Baidu Netcom Science and Technology Co., Ltd. KunlunXin Technology (Beijing) Company Limited	(11) EP3665561 (21) EP18843334.6 (47) 27.09.2023 (87) IB2018001006 14.02.2019 (22) 06.08.2018
(11) EP3716075 (21) EP20165075.1 (47) 27.09.2023 (22) 24.03.2020	(72) Tang, Chao Du, Xueliang	(21) EP18843334.6 (47) 27.09.2023 (87) IB2018001006 14.02.2019 (22) 06.08.2018
(54) UTILIZING MACHINE LEARNING MODELS TO PROCESS RESOURCE USAGE DATA AND TO DETERMINE ANOMALOUS USAGE OF RESOURCES	(31) 202010700198 (32) 20.07.2020 (33) China	(22) 06.08.2018
(73) Accenture Global Solutions Limited	(51) G06F 13/16	(54) A METADATA CONTROL IN A LOAD-BALANCED DISTRIBUTED STORAGE SYSTEM
(72) QIU, Kun DESAI, Vijay KAPLAN, Laser Seymour KALYAN GANJAPU, Durga LOMBARDO, Daniel Marcus	G06F 12/08 G06F 12/0802 G06F 12/0808 G06F 12/0817 G06F 12/12 G06F 12/128 G06F 12/0831	(73) Weka, Io Ltd. (72) BEN DAYAN, Maor PALMON, Omri ZVIBEL, Liran
(31) 201916551314 201962826405 P	(11) EP3800557 (21) EP20197596.8 (47) 27.09.2023 (22) 26.02.2016	(31) 201715670189 (32) 07.08.2017 (33) United States of America
(32) 26.08.2019 29.03.2019	(47) 27.09.2023 (22) 26.02.2016	(51) G06F 16/2452 (11) EP3832481
(33) United States of America United States of America	(54) IMPLIED DIRECTORY STATE UPDATES	(21) EP20212031.7 (47) 27.09.2023 (22) 04.12.2020
(51) G06F 12/02 G06F 12/06	(73) INTEL Corporation (72) BLANKENSHIP, Robert G.	(54) DATA PERMISSIONING THROUGH DATA REPLICATION
(11) EP4018313 (21) EP20772356.0 (47) 27.09.2023 (87) FR2020051460 25.02.2021	(31) 201514670526 (32) 27.03.2015 (33) United States of America	(73) Palantir Technologies Inc.
(22) 12.08.2020	(51) G06F 13/16	(72) Dorne, Jeremy Bagdis, Jeffrey Jain, Hirsh Skiles, Mitchell Belardo, Armando Schiavone, Joseph Zweig, Joshua
(54) DATA COLLECTOR IN AN ELECTRONIC DEVICE	G06F 12/0815 G06F 12/0875 G06F 9/30 G06F 9/52 G06F 9/38	(31) 202016782602 201962944570 P (32) 05.02.2020 06.12.2019 (33) United States of America United States of America
(73) Idemia Identity & Security France	(11) EP3746902 (21) EP19705276.4 (47) 27.09.2023 (87) US2019015463 01.08.2019	(32) 05.02.2020 06.12.2019 (33) United States of America United States of America
(72) DEL GIUDICE, Lauren Marjorie DUCLOS, Rémi Louis Marie BIEULES, Pierrick	(22) 28.01.2019	(51) G06F 16/2458 G06F 16/90 G06F 21/60 G06F 21/62
(31) 1909319 (32) 21.08.2019 (33) France	(54) MEMORY CONTROLLER	(11) EP3256967 (21) EP16749884.9 (47) 27.09.2023 (87) US2016017551 18.08.2016
(51) G06F 12/0846 G06F 12/084	(73) Micron Technology, Inc. (72) BREWER, Tony, M. (31) 201862623331 P (32) 29.01.2018 (33) United States of America	(22) 11.02.2016 (54) INCREASING SEARCH ABILITY OF PRIVATE, ENCRYPTED DATA
(11) EP3887960 (21) EP20704111.2 (47) 27.09.2023 (87) US2020012232 16.07.2020	(51) G06F 13/38 H04N 25/75 H04N 25/40 H04N 25/46	(73) Visa International Service Association (72) CONWAY, Adam (31) 201562114976 P (32) 11.02.2015 (33) United States of America
(22) 03.01.2020	(11) EP3997579 (21) EP21849477.1 (47) 27.09.2023 (87) SE2021050699 03.02.2022	(51) G06F 16/43 (11) EP3399430 (21) EP16880805.3 (47) 27.09.2023 (87) CN2016105885 06.07.2017 (22) 15.11.2016
(54) COPROCESSOR OPERATION BUNDLING	(22) 08.07.2021	
(73) Apple Inc.	(54) ADAPTIVE READOUT FROM AN OPTICAL BIOMETRIC SENSOR TO A HOST DEVICE	
(72) KESIRAJU, Aditya FEERO, Brett S. GUPTA, Nikhil GAUTAM, Viney	(73) Fingerprint Cards Anacatum IP AB (72) ÖSTLUND, Petter THÖRNBLÖM, Hans	
(31) 201916242151 (32) 08.01.2019 (33) United States of America	(31) 2050928 (32) 29.07.2020 (33) Sweden	
(51) G06F 12/14 G06F 9/30 G06F 9/38 G06F 3/06		
(11) EP3872629 (21) EP21185828.7 (47) 27.09.2023 (22) 15.07.2021		

(54) METHOD AND APPARATUS FOR RECOGNIZING SLIDE	G06V 10/74 G06T 7/73	(51) G06F 21/31 G06F 21/57
(73) Beijing Kingsoft Office Software, Inc. Zhuhai Kingsoft Office Software Co., Ltd Guangzhou Kingsoft Mobile Technology Co., Ltd	G06V 10/24 G06V 10/20 G06V 20/64 (11) EP3550470	G06F 21/36 G06F 21/33 H04L 9/40 G06F 21/30 G06F 21/62
(72) HU, Juan WANG, Qian ZHOU, Xian ZHUANG, Yong	(21) EP19164284.2 (47) 27.09.2023 (22) 21.03.2019 (54) OBJECT RECOGNITION PROCESSING APPARATUS AND METHOD, AND OBJECT PICKING APPARATUS AND METHOD	H04L 9/08 H04L 9/32 (11) EP3891619 (21) EP19916898.0 (47) 27.09.2023 (87) US2019020143 03.09.2020 (22) 28.02.2019 (54) ACCESS TO FIRMWARE SETTINGS WITH ASYMMETRIC CRYPTOGRAPHY (73) Hewlett-Packard Development Company, L.P.
(31) 201511033937 (32) 31.12.2015 (33) China	(73) OMRON Corporation (72) KONISHI, Yoshinori (31) 2018072896 (32) 05.04.2018 (33) Japan	(72) JEANSONNE, Jeffrey Kevin ALI, Valiuddin BRAMLEY JR, Richard Alden BALDWIN, Adrian John SCHIFFMAN, Joshua Serratelli
(51) G06F 16/901 (11) EP3507720 (21) EP17844692.8 (47) 27.09.2023 (87) AU2017050937 08.03.2018	(73) OMRON Corporation (72) KONISHI, Yoshinori (31) 2018072896 (32) 05.04.2018 (33) Japan	(51) G06F 21/32 (11) EP3961441 (21) EP20794930.6 (47) 27.09.2023 (87) CN2020078777 29.10.2020 (22) 11.03.2020 (54) IDENTITY VERIFICATION METHOD AND APPARATUS, COMPUTER DEVICE AND STORAGE MEDIUM (73) Tencent Technology (Shenzhen) Company Limited (72) LIANG, Jian CAO, Yuren ZHANG, Chenbin BAI, Kun (31) 201910336037 (32) 24.04.2019 (33) China
(22) 31.08.2017 (54) METHOD AND SYSTEM FOR STORING AND RETRIEVING MULTI-DIMENSIONAL DATA	(51) G06F 21/00 H04B 5/00 H04L 65/612 H04L 65/75 H04L 67/306 H04N 21/258 H04N 21/41 H04N 21/4415 H04N 21/422 H04N 21/442 H04N 21/45 H04N 21/466 G06F 3/16 (11) EP3607482 (21) EP18781382.9 (47) 27.09.2023 (87) US2018026034 11.10.2018 (22) 04.04.2018 (54) INTERACTION-BASED USER IDENTIFICATION	(72) JEANSONNE, Jeffrey Kevin ALI, Valiuddin BRAMLEY JR, Richard Alden BALDWIN, Adrian John SCHIFFMAN, Joshua Serratelli
(73) Pointerra Technologies Pty Ltd (72) DOUGLAS, Shane (31) 2016903463 (32) 31.08.2016 (33) Australia	(73) OMRON Corporation (72) KONISHI, Yoshinori (31) 2018072896 (32) 05.04.2018 (33) Japan	(51) G06F 21/32 (11) EP3961441 (21) EP20794930.6 (47) 27.09.2023 (87) CN2020078777 29.10.2020 (22) 11.03.2020 (54) IDENTITY VERIFICATION METHOD AND APPARATUS, COMPUTER DEVICE AND STORAGE MEDIUM (73) Tencent Technology (Shenzhen) Company Limited (72) LIANG, Jian CAO, Yuren ZHANG, Chenbin BAI, Kun (31) 201910336037 (32) 24.04.2019 (33) China
(51) G06F 16/906 G06F 16/27 G06F 21/64 G06Q 10/00 G06F 21/62 (11) EP4086788 (21) EP21805343.7 (47) 27.09.2023 (87) CN2021081102 15.09.2022 (22) 16.03.2021 (54) BLOCKCHAIN-BASED DATA PROCESSING METHOD AND APPARATUS, DEVICE, AND READABLE STORAGE MEDIUM	(73) OMRON Corporation (72) KONISHI, Yoshinori (31) 2018072896 (32) 05.04.2018 (33) Japan	(51) G06F 21/32 G06F 21/44 G06F 21/72 G06F 21/82 G06F 18/22 G06V 10/74 G06V 40/10 G06V 40/12 (11) EP3855326 (21) EP20217350.6 (47) 27.09.2023 (22) 28.12.2020 (54) BIOMETRIC SYSTEM AND METHOD FOR RECOGNIZING A BIOMETRIC CHARACTERISTIC IN THE BIOMETRIC SYSTEM (73) NXP B.V. (72) Van VREDENDAAL, Christine DE JONG, Hans VAUCLAIR, Marc (31) 202016752734 (32) 27.01.2020 (33) United States of America
(73) ICALC HOLDINGS LIMITED (72) POON, Ho Man (31) 202110272084 (32) 12.03.2021 (33) China	(51) G06F 21/10 H04L 9/32 H04L 9/00 G06Q 10/10 G06Q 50/18 (11) EP3410327 (21) EP17759096.5 (47) 27.09.2023 (87) CN2017073053 08.09.2017 (22) 07.02.2017 (54) RIGHTS MANAGEMENT METHOD AND SYSTEM	(51) G06F 21/32 G06F 21/44 G06F 21/72 G06F 21/82 G06F 18/22 G06V 10/74 G06V 40/10 G06V 40/12 (11) EP3855326 (21) EP20217350.6 (47) 27.09.2023 (22) 28.12.2020 (54) BIOMETRIC SYSTEM AND METHOD FOR RECOGNIZING A BIOMETRIC CHARACTERISTIC IN THE BIOMETRIC SYSTEM (73) NXP B.V. (72) Van VREDENDAAL, Christine DE JONG, Hans VAUCLAIR, Marc (31) 202016752734 (32) 27.01.2020 (33) United States of America
(51) G06F 16/955 H04L 61/301 (11) EP3580665 (21) EP18751740.4 (47) 27.09.2023 (87) US2018017156 16.08.2018 (22) 07.02.2018 (54) GENERATING RICH DIGITAL DOCUMENTS FROM LIMITED INSTRUCTIONAL DATA	(73) OMRON Corporation (72) KONISHI, Yoshinori (31) 2018072896 (32) 05.04.2018 (33) Japan	(51) G06F 21/32 G06F 21/44 G06F 21/72 G06F 21/82 G06F 18/22 G06V 10/74 G06V 40/10 G06V 40/12 (11) EP3855326 (21) EP20217350.6 (47) 27.09.2023 (22) 28.12.2020 (54) BIOMETRIC SYSTEM AND METHOD FOR RECOGNIZING A BIOMETRIC CHARACTERISTIC IN THE BIOMETRIC SYSTEM (73) NXP B.V. (72) Van VREDENDAAL, Christine DE JONG, Hans VAUCLAIR, Marc (31) 202016752734 (32) 27.01.2020 (33) United States of America
(73) Documensions, Inc. (72) WARNER, James A. (31) 201715588963 201715427463 (32) 08.05.2017 08.02.2017 (33) United States of America United States of America	(51) G06F 21/10 H04L 9/32 H04L 9/00 G06Q 10/10 G06Q 50/18 (11) EP3410327 (21) EP17759096.5 (47) 27.09.2023 (87) CN2017073053 08.09.2017 (22) 07.02.2017 (54) RIGHTS MANAGEMENT METHOD AND SYSTEM	(51) G06F 21/32 G06F 21/44 G06F 21/72 G06F 21/82 G06F 18/22 G06V 10/74 G06V 40/10 G06V 40/12 (11) EP3855326 (21) EP20217350.6 (47) 27.09.2023 (22) 28.12.2020 (54) BIOMETRIC SYSTEM AND METHOD FOR RECOGNIZING A BIOMETRIC CHARACTERISTIC IN THE BIOMETRIC SYSTEM (73) NXP B.V. (72) Van VREDENDAAL, Christine DE JONG, Hans VAUCLAIR, Marc (31) 202016752734 (32) 27.01.2020 (33) United States of America
(51) G06F 18/22	(73) Huawei Technologies Co., Ltd. (72) CHEN, Yixin WEN, Junrong LIU, Deqian ZHANG, Pu (31) 201610116238 (32) 01.03.2016 (33) China	(51) G06F 21/32 H04L 9/08

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G07C 9/00	(72) GUNYUZLU, Mason	(73) RingCentral, Inc.
(11) EP3752940	ALI, Valiuddin	(72) LAHAV, Aviad
(21) EP19755203.7	CRAIG, Robert	ROSENBLIT, Lev
(47) 27.09.2023	RICHARDS, Tevin	(31) 201762461808 P
(87) SE2019050107	BRAMLEY, Richard	(32) 22.02.2017
22.08.2019	PINHEIRO, Endrigo Nadin	(33) United States of America
(22) 08.02.2019		
(54) UPDATING BIOMETRIC TEMPLATE PROTECTION KEYS	(51) G06F 21/57	
(73) Fingerprint Cards Anacatum IP AB	(11) EP4044057	(51) G06F 21/62
(72) GEHRMANN, Christian	(21) EP22156478.4	G06F 21/64
POPE, Steven	(47) 27.09.2023	H04L 9/32
(31) 1850151	(22) 14.02.2022	H04L 9/40
(32) 13.02.2018	(54) METHOD AND SYSTEM FOR IDENTIFYING SECURITY VULNERABILITIES	G06F 21/57
(33) Sweden	(73) Tata Consultancy Services Limited	(11) EP4109317
(51) G06F 21/54	(72) Sahu, Monika	(21) EP22183531.7
G06F 21/57	Vidhani, Kumar Mansukhlal	(47) 27.09.2023
(11) EP4085361	Tupsamudre, Harshal	(22) 12.05.2020
(21) EP20824008.5	Lodha, Sachin Premsukh	(54) PRIVACY PRESERVING APPLICATION AND DEVICE ERROR DETECTION
(47) 27.09.2023	(31) 202121006132	(73) Google LLC
(87) US2020060811	(32) 12.02.2021	(72) WANG, Gang
08.07.2021	(33) India	YUNG, Marcel, M. Moti
(22) 17.11.2020	(51) G06F 21/57	TURNER, David, Bruce
(54) PROTECTING COMMERCIAL OFF-THE-SHELF PROGRAM BINARIES FROM PIRACY USING HARDWARE ENCLAVES	G06F 21/51	(31) 27416520
(73) Microsoft Technology Licensing, LLC	G06F 21/56	(32) 23.04.2020
(72) GE, Xinyang	G06F 21/64	(33) Israel
CUI, Weidong	H04L 9/32	(51) G06F 21/73
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H01M 4/48	LADPLI, Purim	Dainichi Co., Ltd.
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(54) IRON, FLUORINE, SULFUR	H01M 8/10	(51) H01M 8/04089
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(72) HOLME, Timothy, P.	(47) 27.09.2023	H01M 8/04014
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(32) 13.03.2013	METHOD FOR PRODUCING AN	(22) 03.12.2019
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(51) H01M 4/62	(73) EKPO Fuel Cell Technologies GmbH	INCREASING SOLID OXIDE FUEL
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C08L 101/08	FINK, Oliver	(73) The Boeing Company
H01M 4/13	DAHL, Karsten	(72) MATA, Marianne E.
H01M 4/139	KRAFT, Jürgen	BALAN, Chellappa
H01M 4/04	(31) 102018115994	STOIA, Tina
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C08F 220/56	(33) Germany	(31) 201916237787
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SLURRY COMPOSITION FOR	(87) EP2020065804	H01M 4/88
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(51) H01M 4/70	(51) H01M 8/04	WATANABE, Seiichi
H01M 4/38	H01M 8/0606	(51) H01M 8/18
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(73) Schaeffler Technologies AG & Co. KG	(72) UTSUNO, Futoshi	(72) ONISHI, Takanori
(72) DOBRENIZKI, Ladislaus	NAKATA, Akiko	NISHI, Koji
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(33) Germany	(51) H01M 10/0567	KAWANO, Masafumi
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H01M 10/0567	KIM, Daeil	(73) BYD Company Limited
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H01M 4/46	14.04.2017	ZHU, Yan
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(22) 11.04.2020	(21) EP19826123.2	H01M 50/30
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(73) Contemporary Amperex Technology Co., Limited	(87) JP2019020909	H01M 50/317
(72) CHENG, Meng	02.01.2020	H01M 50/325
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(54) BATTERY PACK AND METHOD FOR	H01M 50/507	RING PROBE
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(73) Panasonic Energy Co., Ltd.	H01M 50/512	(72) PEARSON JR, Phil, E.
(72) TAKATSU, Takao	H01M 50/588	(31) 202062956471 P
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H01M 50/423	PREVENTING BATTERY CELL	H01R 24/50
H01M 50/446	DAMAGE, AND BATTERY PACK AND	H01R 103/00
H01M 50/449	VEHICLE COMPRISING BATTERY	(11) EP3890105
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(72) AKAMATSU, Tetsuya	(54) FILLING DEVICE FOR FILLING A	(51) H01P 5/16
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C08L 53/00	(21) EP22181787.7	TECHNOLOGY (AMT) LOW PROFILE
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C09D 127/16	(22) 29.06.2022	(73) Raytheon Company
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AN ACTIVE PART OF AN ELECTRIC	F16C 29/00	H02M 3/158
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GENERATOR	H01L 31/05	YAKYMCHUK, Maxym
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(22) 15.08.2019	(73) Panasonic Intellectual Property	PERMISSIBLE EXPOSURE (MPE)
(54) WIRELESS COMMUNICATION	Corporation of America	CONSTRAINT BASED ON USER
METHOD, TERMINAL DEVICE AND	(72) CHITRAKAR, Rojan	EQUIPMENT (UE) FEEDBACKS
COMPUTER READABLE STORAGE	HUANG, Lei	(73) QUALCOMM INCORPORATED
MEDIUM	URABE, Yoshio	(72) RAGHAVAN, Vasanthan
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(54) METHOD AND APPARATUS FOR	(51) H04W 52/36	(33) United States of America
SAVING USER EQUIPMENT POWER	H04W 52/14	(51) H04W 56/00
WITH MIMO OPERATION	(11) EP3900444	(11) EP3849269
(73) Lenovo (Singapore) Pte. Ltd.	(21) EP20759946.5	(21) EP21160521.7
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NANGIA, Vijay	27.08.2020	(54) INFORMATION TRANSMISSION
(31) 201862755354 P	(22) 18.02.2020	METHOD, TERMINAL DEVICE, AND
(32) 02.11.2018	(54) CONTROLLING TRANSMISSION	NETWORK DEVICE
(33) United States of America	POWER OF USER EQUIPMENT IN A	(73) GUANGDONG OPPO MOBILE
(51) H04W 52/02	MMWAVE WIRELESS NETWORK	TELECOMMUNICATIONS CORP., LTD.
H04W 24/04	(73) Samsung Electronics Co., Ltd.	(72) TANG, Hai
G01R 31/36	(72) GODALA, Anirudh Reddy	XU, Hua
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H04W 16/14	HOU, Xiaolin	(72) LJUNG, Rickard
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CONTROL DEVICE, WIRELESS	(73) QUALCOMM Incorporated	H04W 84/12
COMMUNICATION CONTROL	(72) MONTOJO, Juan	(11) EP3967100
METHOD, WIRELESS	TOKGOZ, Yeliz	(21) EP20731565.6
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(21) EP19939992.4	KADOUS, Tamer	METHOD AND TERMINAL DEVICE
(47) 27.09.2023	YOO, Taesang	(73) GUANGDONG OPPO MOBILE
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(22) 01.08.2019	201862714576 P	ZHAO, Zhenshan
(54) RANDOM ACCESS METHOD AND	(32) 30.07.2019	LIN, Hwei-Ming
RELATED DEVICE	03.08.2018	(31) PCT/CN2019/115155
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Contains data concerning European patents granted for The Netherlands in which a translation was filed confirm Article 52 par. 1 or 6 of the Patents Act 1995.

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GÜVEN, Nuri	(72) YAMAGUCHI, Takahiro	(74) dr. A. Krebs
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(73) Synthomer Adhesive Technologies LLC	C10N 30/00	(74) ir. F.A. Geurts c.s.
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VB1

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VB2

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F21V 8/00	
G02B 6/032	
H01S 5/40	
(11) EP3284797	
(51) C09K 5/04	
(11) EP3366283	
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A61P 3/04	
A61P 3/10	
A61P 19/02	
A61P 19/10	
A61P 37/08	
A61P 43/00	
(00) 25/22	
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MED**Overige mededelingen.
Contains data concerning other communications.**

(11) 2024148	(51) D21B 1/02
(00) 04.09.2023	B07B 9/00
(51) B07B 1/20	D21B 1/30
B07B 1/30	D21B 1/32
D21B 1/02	B07B 1/20
D21B 1/32	(00) Pre-judgement attachement
(00) Pre-judgement attachement	(11) EP3721062
(11) 2024220	(51) F01L 13/00
(00) 04.09.2023	F01L 1/352
(51) B07B 1/20	(11) EP3816345
D21B 1/02	(00) 04.09.2023
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(51) G01N 15/14	(00) Pre-judgement attachement
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(51) B65B 25/06	
B65B 35/30	
B65B 35/44	
B65B 35/54	
B65G 47/08	
B65G 15/24	
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B65H 18/00	
B26D 7/18	
B26D 7/02	
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A23G 1/54	
A23G 1/00	
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(51) C08J 7/04	
C09D 177/00	
C08G 18/73	
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C08G 18/62	
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C09D 175/04	
C09D 177/02	
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VRV

Verval of nietigverklaring.

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(11) EP4020646	(11) EP4058505	
(00) 24.05.2023	(00) 24.05.2023	

VRB

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

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) FAAC Partecipazioni Industriali S.r.l.	(71) Promontory Therapeutics, Inc.	G01N 33/552
(73) FAAC S.p.A.	(73) Promontory Therapeutics, Inc.	(00) Assignment
(11) EP1832756	(11) EP2855496	(71) Prof. Dr. Marc Braem Tandarts BV
(00) 28.10.2021	(00) 05.09.2023	(73) Prof. Dr. Marc Braem Tandarts BV
(51) F15B 7/00	(51) C07F 15/00	(11) EP3448305
F15B 7/10	(00) Change of owner(s) name	(00) 08.09.2023
(00) Change of Legal Entity	(71) FAAC Partecipazioni Industriali S.r.l.	(51) A61B 5/107
(71) FAAC S.p.A.	(73) FAAC S.p.A.	A61C 19/04
(73) FAAC S.p.A.	(11) EP2567369	A61C 19/05
(11) EP1832756	(00) 28.10.2021	A61F 5/56
(00) 28.10.2021	(51) G08C 17/02	(00) Assignment
(51) F15B 7/00	(00) Change of Legal Entity	(71) Prof. Dr. Marc Braem Tandarts BV
F15B 7/10	(71) FAAC S.p.A.	(73) Prof. Dr. Marc Braem Tandarts BV
(00) Assignment	(73) FAAC S.p.A.	(11) EP3209241
(71) FAAC Partecipazioni Industriali S.r.l.	(11) EP2567369	(00) 08.09.2023
(73) FAAC S.p.A.	(00) 28.10.2021	(51) A61C 19/05
(11) EP2092149	(51) G08C 17/02	(00) Assignment
(00) 28.10.2021	(00) Assignment	(71) Clariant International Ltd
(51) E05F 15/16	(71) KO-MA Holding B.V.	(73) Clariant International Ltd
(00) Change of Legal Entity	(73) KO-MA Holding B.V.	(11) EP2370206
(71) FAAC Partecipazioni Industriali S.r.l.	(11) EP3265303	(00) 06.09.2023
(73) FAAC S.p.A.	(00) 05.09.2023	(51) B01J 23/00
(11) EP2524145	(51) B30B 1/00	(00) Assignment
(00) 28.10.2021	B30B 9/30	(71) KOREA MEDICINE RESEARCH
(51) F15B 7/00	B65F 1/10	INSTITUTE, INC.
(00) Change of Legal Entity	B65F 1/14	(73) KOREA MEDICINE RESEARCH
(71) FAAC S.p.A.	B65F 1/16	INSTITUTE, INC.
(73) FAAC S.p.A.	(00) Assignment	(11) EP3065752
(11) EP2092149	(71) Promontory Therapeutics, Inc.	(00) 05.09.2023
(00) 28.10.2021	(73) Promontory Therapeutics, Inc.	(51) A61K 36/899
(51) E05F 15/16	(11) EP3202769	A61P 19/00
(00) Assignment	(00) 05.09.2023	(00) Assignment
(71) FAAC S.p.A.	(51) C07F 15/00	(71) Kim, Hohyun
(73) FAAC S.p.A.	(00) Change of owner(s) name	Kim, Sooyeon
(11) EP2524145	(71) Halliburton Energy Services, Inc.	KOREA MEDICINE RESEARCH
(00) 28.10.2021	(73) Halliburton Energy Services, Inc.	INSTITUTE, INC.
(51) F15B 7/00	(11) EP3041910	(73) KOREA MEDICINE RESEARCH
(00) Assignment	(00) 05.09.2023	INSTITUTE, INC.
(71) DISH NETWORK TECHNOLOGIES	(51) C09K 8/00	(11) EP3065752
INDIA PRIVATE LIMITED	C09K 8/02	(00) 05.09.2023
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(73) DISH NETWORK TECHNOLOGIES	(71) Clariant International Ltd	A61P 19/00
INDIA PRIVATE LIMITED	(73) Clariant International Ltd	(00) Merge
Sling Media L.L.C.	(11) EP2158035	(71) MEGELLAN, SE
(11) EP2720413	(00) 06.09.2023	(73) MEGELLAN, SE
(00) 05.09.2023	(51) B01J 21/16	(11) 2032207
(51) H04L 12/24	B01J 23/66	(00) 08.09.2023
H04L 12/28	B01J 37/04	(51) A62C 35/13
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(71) Sling Media, Inc.	(00) Assignment	(00) Assignment
DISH NETWORK TECHNOLOGIES	(71) Biosearch Technologies, Inc.	(71) Daimler Truck AG
INDIA PRIVATE LIMITED	(73) Biosearch Technologies, Inc.	(73) Daimler Truck AG
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	G01N 33/543	(71) Daimler Truck AG

(73) Daimler Truck AG
(11) EP3444569
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(51) G01C 21/26
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(71) Veneziana Energia Risorse Idriche
Territorio Ambiente Servizi- V.E.R.I.T.A.S.
S.p.A.
Pietrogiovanni CERCHIER
(73) Veneziana Energia Risorse Idriche
Territorio Ambiente Servizi- V.E.R.I.T.A.S.
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(11) EP3993067
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(71) Veneziana Energia Risorse Idriche
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(71) Suido Kiko Kaisha, Ltd.
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(11) EP3858453
(00) 05.09.2023
(51) B01D 21/01
C02F 1/56
C02F 11/143
C02F 11/147
C02F 1/52
C02F 10/14
C02F 1/66
(00) Assignment

TVH

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

UP1

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

(11) EP3588452	(11) EP3743598	(11) EP3781915
(11) EP3554328	(11) EP3775310	(11) EP3650272
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UP2

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

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

UP3

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

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

UP4

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

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

UP5

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

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

UP6

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

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