



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

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.

Subscription rates per calendar year:

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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

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Inhoudsopgave	Blz. Content	Page
Rubriek NP1 Bevat gegevens betreffende octrooiaanvragen die zijn ingeschreven op grond van de Octrooiwet 1995.	7 Heading NP1 Contains data concerning Netherlands patent applications which have been entered in the patent register under the Patents Act 1995.	7
Rubriek NP2 Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	11 Heading NP2 Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	11
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	15 Heading NP3 Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	15
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	16 Heading EP1 Contains data concerning translations of the conclusions of European patent applications.	16
Rubriek EP2 Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	17 Heading EP2 Contains data concerning European patents granted for The Netherlands.	17
Rubriek EP3 Bevat gegevens betreffende voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend conform artikel 52 lid 1 of 6 van de Octrooiwet 1995.	226Heading EP3 Contains data concerning European patents granted for The Netherlands in which a translation was filed confirm Article 52 par. 1 or 6 of the Patents Act 1995.	226
Rubriek EP4 Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	262Heading EP4 Contains data concerning European patents granted in amended form for the Netherlands.	262
Rubriek EP5 Bevat gegevens betreffende voor Nederland verleende gewijzigde	263Heading EP5 Contains data concerning European patents granted in amended form for	263

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

264Heading SPC

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

264

Rubriek VB1

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

265Heading VB1

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

265

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.

267Heading 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.

267

Rubriek MED

Bevat gegevens betreffende overige mededelingen.

268Heading MED

Contains data concerning other communications.

268

Rubriek VRV

Bevat gegevens betreffende verval of nietigverklaring.

269Heading VRV

Contains data concerning lapse or annulment.

269

Rubriek VRB

Bevat gegevens betreffende verbeteringen op eerdere publicaties.

296Heading VRB

Contains data concerning corrections on earlier publications.

296

Rubriek CO

Bevat gegevens betreffende wijzigingen in het octrooiregister.

297Heading CO

Contains data concerning changes in the Netherland patent register.

297

Rubriek TVH

Bevat gegevens betreffende topografieën van halfgeleiderproducten.

298Heading TVH

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

298

Overzicht van Inid codes

INID CODES

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

INID CODES

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

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

(44) Datum van openbaarmaking	(44) Date of publication by printing or similar process of an examined document on which no grant has taken place on or before said date
(45) Datum van kracht worden van een Europees octrooi in Nederland	(45) Date of publication by printing or similar process of a document on which no grant has taken place on or before said date
(46) Inschrijvingsdatum conclusies	(46) Date of publication by printing or similar process of the claim(s) only of a document
(47) Verleningsdatum octrooi	(47) Date from which the patent takes effect
(48) Datum waarop een verbetering van een octrooi is uitgegeven	(48) Date of issuance of a corrected patent document
(51) Internationale 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) A01D 46/30	(71) PIGLETS TREATMENT SYSTEM B.V.	(32) 19.09.2019
(21) 1043784	(72) Antoon Willem Johan Claessens	(33) China
(22) 09.09.2020	(41) 17.05.2021	(51) A61B 6/03
(54) HARVEST ROBOT SYSTEM	(51) A45C 11/00	(21) 2025775
(71) Panasonic Intellectual Property Management Co., Ltd.	(21) 1043375	(22) 08.06.2020
(74) drs. O. Griebeling	(22) 10.09.2019	(54) DATA PROCESSING SYSTEM FOR ACQUIRING TUMOR POSITION AND CONTOUR IN CT IMAGE AND ELECTRONIC EQUIPMENT
(72) Ryou Toshima	(54) CORD FOR ACCESSORY	(71) SHANDONG CANCER HOSPITAL AND INSTITUTE
Yoshio Kanata	(71) Kascha-C	SHANDONG UNIVERSITY
Toshiki Moriyama	(72) Marscha de Rond	(74) dr. J. van Straaten
(31) 2019-167337	Karin van Dijk	(72) Shuanghu Yuan
(32) 13.09.2019	(41) 17.05.2021	Wei Li
(33) Japan	(51) A47G 25/12	Xiangwei Meng
(51) A01G 22/05	A61H 3/02	Ning Liu
A01H 1/02	(21) 1043378	Jinming Yu
(21) 1043577	(22) 16.09.2019	Qingxi Yu
(22) 26.02.2020	(54) KRUKKENHOUDER	Yuchun Wei
(54) Inrichting voor het telen van vruchtdragende kasplanten, omvattende een trillingsgenerator ten behoeve van onderlinge bestuiving van de kasplanten	(71) Daan Rudolf Horák	Li Li
(71) pellikaan gewasklemsystemen bv	(72) Daan Rudolf Horák	Xiaoxiao Li
(72) cor pellikaan	(41) 17.05.2021	Changmin Liu
(41) 18.05.2021	(51) A61B 5/0408	(31) 201910882016.2
(31) 1043380	A61B 5/00	(32) 18.09.2019
(32) 17.09.2019	A61F 13/00	(33) China
(33) Netherlands	A61F 13/02	(51) A61F 2/16
(51) A01K 11/00	A61K 9/70	(21) 2023829
A01K 29/00	G06K 19/077	(22) 13.09.2019
(21) 2023824	(21) 1043384	(54) INTRAOCULAR LENS
(22) 12.09.2019	(22) 18.09.2019	(71) Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)
(54) Werkwijze voor het genereren van een lijst met identificatie informatie van dieren.	(54) ACTIVATOR FOR ELECTRONIC CIRCUIT	(74) dr. A. Krebs
(71) Nedap N.V.	(71) Everaerts 'sieben Holding	(72) Gré P.M. Luyten
(74) ir. H.A. Witmans c.s.	(72) Dr Ir Franciscus Joannes Leonardus Everaerts	Jan-Willem M. Beenhakker
(72) Rudie Jan Hendrik Lammers	(41) 18.05.2021	Luc van Vught
Jort Johannes Wilhelmus Schutte	(51) A61B 6/00	(41) 18.05.2021
Roxie Sabri Romero Muller	G06T 7/13	(51) A61F 9/007
Ingo Henricus Clemens Wassink	G06T 7/30	(21) 2023788
(41) 17.05.2021	G06T 17/00	(22) 06.09.2019
(51) A01K 29/00	(21) 2025814	(54) A phaco driver system, a method and a computer program product
(21) 2023780	(22) 11.06.2020	(71) D.O.R.C. Dutch Ophthalmic Research Center (International) B.V.
(22) 06.09.2019	(54) PRECISE POSITIONING SYSTEM FOR THREE-DIMENSIONAL POSITION OF TUMOR BY MULTI-IMAGE FUSION	(74) ir. H.A. Witmans c.s.
(54) METHOD AND SYSTEM FOR THE MANAGEMENT OF PRODUCTION ANIMALS	(71) SHANDONG CANCER HOSPITAL AND INSTITUTE	(72) Kees Bijkerk
(71) PIGLETS TREATMENT SYSTEM B.V.	SHANDONG UNIVERSITY	John Peter Kuntz
(72) Antoon Willem Johan Claessens	(74) dr. J. van Straaten	Pieter van 't Hof
(41) 17.05.2021	(72) Shuanghu Yuan	Alejandro Enrique Viteri Vogel
(51) A01K 29/00	Wei Li	(41) 17.05.2021
(21) 2023781	Leilei Dong	(51) A61L 31/06
(22) 06.09.2019	Ning Liu	B33Y 70/10
(54) METHOD AND SYSTEM FOR AUTOMATICALLY MEETING A NEED OF A PRODUCTION ANIMAL	Jinming Yu	(21) 2026161
	Yuchun Wei	(22) 29.07.2020
	Li Li	(54) PREPARATION METHOD OF 4D CHITOSAN-BASED THERMOSENSITIVE HYDROGEL
	Xiaoxiao Li	
	Suzhen Wang	
	Wenju Liu	
	(31) 201910888197.X	

(71) Qingdao University	(51) B23F 5/16	(71) Hedipack Technology Beheer B.V.
(74) ir. F.A. Geurts c.s.	B23F 15/00	(74) ir. A. Blokland c.s.
(72) Wenhua Xu	(21) 2023814	(72) Berend Derk Grootherder
Yanhan Dong	(22) 11.09.2019	(41) 17.05.2021
Lixia Zhang	(54) Method for manufacturing a stepped gear made from one workpiece	(51) B65D 39/00
Yuqiao Fan	(71) VCST Industrial Products BVBA	B65D 47/20
(31) 201910871003.5	(74) ir. G.J.M. Verhees	B65D 51/24
(32) 16.09.2019	(72) Yves Willems	B65D 79/00
(33) China	(41) 17.05.2021	C10M 133/20
(51) A61M 16/00	(51) B30B 1/00	(21) 2023843
(21) 2023830	B30B 9/30	(22) 18.09.2019
(22) 13.09.2019	B65F 1/14	(54) Vacuum stopper and assembly of stopper and container
(54) Ventilation assembly and harness	(21) 1043790	(71) Airtender Works B.V.
(71) LMA Optimizer B.V.	(22) 16.09.2020	(74) ir. H.A. Witmans c.s.
(74) ir. A.R. Aalbers	(54) Ondergrondse afvalcontainer	(72) Dalibor Borjanin
(72) Khaled Rafiqpoor	(71) De Rooij Milieutechniek B.V.	Robert Franciscus van der Hulst
(41) 17.05.2021	(74) drs. O. Griebing	Rui Medeiros Santos
(51) A63C 1/28	(72) Arie Maurits de Rooij	(41) 18.05.2021
(21) 2023782	(31) 1043377	(51) B65D 50/06
(22) 06.09.2019	(32) 16.09.2019	B65D 51/16
(54) Schaats, zoals een shorttrackschaats en combinatie van een schaats en een schaatsschoen	(33) Netherlands	B65D 81/20
(71) Kushi Sports Netherlands BV	(51) B63B 49/00	(21) 1043383
(74) ir. B.J. 't Jong	G01C 3/26	(22) 18.09.2019
(72) Diederik van der Steen	G01C 21/20	(54) Locking device for airtight bottle
(41) 17.05.2021	(21) 2026220	(71) Jui-Te Wang
(51) B01D 46/00	(22) 05.08.2020	Jordan S. Tarlow
B01D 46/24	(54) Multi-boat cooperative localization method with improvement of observability	(74) drs. O. Griebing
(21) 2023812	(71) HARBIN ENGINEERING UNIVERSITY	(72) Jui-Te Wang
(22) 11.09.2019	(74) dr. G. Visser-Luirink	Jordan S. Tarlow
(54) Pulse-jet type bag filter assembly	(72) Bo Xu	(41) 18.05.2021
(71) Dutch Drying Systems B.V.	Yu Guo	(51) B65D 85/50
(74) ir. H.A. Witmans c.s.	Yunpeng Guo	(21) 2023789
(72) Roelof Steven Smeenk	(41) 18.05.2021	(22) 06.09.2019
Remco Leenstra	(51) B63B 49/00	(54) Bouquet holder, bouquet, blank and method
(41) 17.05.2021	G01S 7/52	(71) Hammerhead Group LLC
(51) B01D 67/00	G01S 15/74	(74) ir. A.R. Aalbers
(21) 2026536	(21) 2026219	(72) Sarah de Jonge
(22) 24.09.2020	(22) 05.08.2020	(41) 17.05.2021
(54) METHOD OF PREPARING PATULIN MOLECULARLY IMPRINTED NANOFIBER MEMBRANES	(54) Ranging error compensation method for multi-AUV cooperative navigation in dynamic conditions	(51) B65F 1/10
(71) Institute of Quality Standard and Testing Technology for Agro-products, Chinese Academy of Agricultural Sciences	(71) HARBIN ENGINEERING UNIVERSITY	B65F 1/14
(74) ir. J.C. Volmer c.s.	(74) dr. G. Visser-Luirink	(21) 1043377
(72) Hua Shao	(72) Bo Xu	(22) 16.09.2019
Yongxin She	Xiaoyu Wang	(54) Ondergrondse afvalcontainer
Minjuan Zhao	Zhipeng Li	(71) De Rooij Milieutechniek B.V.
Jing Wang	(41) 18.05.2021	(74) drs. O. Griebing
Fen Jin	(51) B64C 33/02	(72) Arie Maurits de Rooij
Maojun Jin	B64C 3/42	(41) 17.05.2021
Shanshan Wang	B64C 39/02	(51) B65H 35/00
Miao Wang	(21) 2023828	B26D 1/00
Zhen Cao	(22) 13.09.2019	B26F 3/00
(31) 201910905475.8	(54) Attitude control mechanism for a flapping wing aerial vehicle	B65B 67/08
(32) 24.09.2019	(71) Technische Universiteit Delft	B65H 16/00
(33) China	(74) ir. J.C. Volmer c.s.	(21) 2023784
(51) B03C 3/40	(72) Matej Karasek	(22) 06.09.2019
F24F 3/16	Hendricus Maria Ruijsink	(54) Film dispenser with film ripper, and a knife
(21) 1043381	(41) 18.05.2021	(71) Dries Cornelis Maria Stork
(22) 17.09.2019	(51) B65B 23/06	(74) ir. F.A. Geurts c.s.
(54) Inrichting voor het ioniseren van fijnstof	B65G 23/30	(72) Dries Cornelis Maria Stork
(71) Arnoldus Martinus Cornelis Kieboom	(21) 2023787	(41) 17.05.2021
(72) Arnoldus Martinus Cornelis Kieboom	(22) 06.09.2019	(51) B66C 23/52
(41) 18.05.2021	(54) Verpakkinisnrichting voor het verpakken van eieren	B66C 23/90
		E02B 17/02
		(21) 2023832
		(22) 13.09.2019

(54) Method for determining a crane or cantilever operations envelope on a jack-up platform unit, jack-up platform unit	(22) 23.09.2020	Changyun Shi
(71) GustoMSC B.V.	(54) CELL CO-CULTURE DEVICE AND CO-CULTURE METHOD OF BOVINE MYOCYTES AND ADIPOCYTES	Xiangbing Gong
(74) ir. H.A. Witmans c.s.	(71) NORTHWEST A&F UNIVERSITY	Xi Li
(72) Kayo Vanderheggen	(74) ir. W.J.J.M. Kempes	Jun Cai
Frederik Vanhee	(72) Hongbao Wang	Wenchao Wu
(41) 18.05.2021	Xiaotong Su	(31) 201910884633.6
(51) C03C 8/02	Yaning Wang	(32) 19.09.2019
(21) 2027774	Anqi Li	(33) China
(22) 18.03.2021	Gong Cheng	(51) E04B 1/41
(54) METHOD OF MANUFACTURING GLASS FRIT PRODUCTS	Linsen Zan	(21) 1043575
(71) JOHNSON MATTHEY ADVANCED GLASS TECHNOLOGIES B.V.	(31) 201910911343.6	(22) 26.02.2020
(74) ir. F.A. Geurts c.s.	(32) 25.09.2019	(54) FIXTURES FOR BUILDING ELEMENTS
(72) Dale Cuthbertson	(33) China	(71) Tardis Innovations BV
Katie Oxley	(51) C12N 11/18	Willem Neeleman
Abdurrahman Ugur Tezer	C12P 7/04	(72) Willem Neeleman
Stacey Irwin	C12M 1/00	(31) 1043388
(51) C03C 8/02	C12M 1/40	(32) 24.09.2019
(21) 2027773	(21) 2023826	(33) Netherlands
(22) 18.03.2021	(22) 12.09.2019	(51) E04F 15/04
(54) METHOD OF MANUFACTURING GLASS FRITS	(54) Photo biocatalytic synthesis of secondary fatty alcohols from unsaturated fatty acids	B27M 3/06
(71) JOHNSON MATTHEY ADVANCED GLASS TECHNOLOGIES B.V.	(71) Technische Universiteit Delft	(21) 2023808
(74) ir. F.A. Geurts c.s.	Technische Universität Graz	(22) 11.09.2019
(72) Abdurrahman Ugur Tezer	(74) dr. A. Ellens c.s.	(54) Werkwijze voor het vervaardigen van een vloerpaneel, het vloerpaneel en gebruik van het vloerpaneel
Ruud Mullenders	(72) Frank Hollmann	(71) Bert Eikelboom
(51) C03C 17/36	Wuyuan Zhang	(74) ir. F.A. Geurts c.s.
(21) 2027688	Robert Kourist	(72) Bert Eikelboom
(22) 03.03.2021	(41) 17.05.2021	(41) 17.05.2021
(54) CORROSION-RESISTANT GLASS AND PREPARATION METHOD THEREOF	(51) C12Q 1/6818	(51) E06B 9/266
(71) SHANDONG UNIVERSITY	G01N 33/542	E06B 9/38
(74) ir. W.J.J.M. Kempes	G01N 33/58	(21) 2023835
(72) Hui Sun	(21) 2023825	(22) 16.09.2019
Tuofu Zhama	(22) 12.09.2019	(54) INRICHTING VOOR HET BEVESTIGEN VAN EEN KOORD VAN EEN SCHERM AAN EEN OPPERVLAK
Kunlun Wang	(54) Single-molecule FRET for protein characterization	(71) COULISSE B.V.
Yanqing Xin	(71) Technische Universiteit Delft	(74) drs. C.H. Mink-Lindenburg
(31) 202010200627.7	Wageningen Universiteit	(72) Bastiaan Franciscus Klein Tuente
(32) 20.03.2020	(74) dr. A. Ellens c.s.	Ruben Hubert Jan de Vries
(33) China	(72) Chirlimin Joo	Ike Essink
(51) C09K 5/06	Mike Filius	(41) 17.05.2021
A41D 13/00	Carlos de Lannoy	(51) E21B 17/042
(21) 2023799	Dick de Ridder	(21) 2023800
(22) 10.09.2019	(41) 17.05.2021	(22) 10.09.2019
(54) FLEXIBLE PHASE CHANGE MATERIAL	(51) D06F 95/00	(54) Threaded connection for exploration and production of a hydrocarbon well
(71) Tiesnitsch Beheer B.V.	(21) 2023841	(71) Hydril Company
(74) dr. T. Hubregtse	(22) 18.09.2019	(74) ir. J.C. Volmer c.s.
(72) Johannes IJsbrand Tiesnitsch	(54) An apparatus for sorting and stacking textile products	(72) David Mutis Rueda
(41) 17.05.2021	(71) VEGA-systems B.V.	Jorge Alberto Cordero
(51) C10L 5/32	(74) ir. A. Blokland c.s.	(41) 17.05.2021
C10L 5/44	(72) Eugène Reginald Mariane van Vught	(51) F03D 1/04
(21) 2023220	Adrianus Antonius Alouisius van Geffen	(21) 1043374
(22) 28.05.2019	(41) 18.05.2021	(22) 06.09.2019
(54) VERBETERD BRANDSTOFELEMENT VOOR GEBRUIK IN EEN KACHEL EN DERGELIJKE EN WERKWIJZE VOOR HET VERVAARDIGEN ERVAN	(51) E01C 19/23	(54) Curtiswiël windturbine.
(71) MICROCELL B.V.	(21) 2025629	(71) Berend Haan
(74) ir. M.B. Plaggenborg	(22) 20.05.2020	(72) Berend Haan
(41) 17.05.2021	(54) METHOD FOR DETECTING COMPACTION STATUS OF ASPHALT PAVEMENT DURING CONSTRUCTION COMPACTION	(41) 17.05.2021
(51) C12M 3/00	(71) Changsha University of Science and Technology	(51) F04B 1/0456
C12N 5/077	(74) ir. F.A. Geurts c.s.	F04B 1/1071
(21) 2026517	(72) Guoping Qian	F04B 1/1072
	Huanan Yu	F04B 9/04
		F04B 17/03
		(21) 2023831
		(22) 13.09.2019
		(54) Pump unit with conical motor chamber.

(71) Power Packer North America, Inc. (74) ir. J.C. Volmer c.s. (72) Marcel Gerardus Maria Nieuwenhuis Johnny Antonius Jacobus Wiggemans (41) 18.05.2021	(41) 17.05.2021 (51) G03F 7/20 H05G 2/00 (21) 2026231 (22) 06.08.2020 (54) EXTREME ULTRAVIOLET LIGHT GENERATION DEVICE AND ELECTRONIC DEVICE MANUFACTURING METHOD (71) GIGAPHOTON INC. (74) ir. H.A. Witmans c.s. (72) Georg Saumagne (31) 2019-167115 (32) 13.09.2019 (33) Japan	(72) Zhaohui Liu Chao Wang Runze Song Zhifa Yang Junbo Wang Dedong Zhang Muzi Li (31) 201910868606.X (32) 16.09.2019 (33) China
(51) F04B 49/22 B01F 3/04 (21) 2023846 (22) 18.09.2019 (54) Kitchen appliance apparatus (71) Airtender Works B.V. (74) ir. H.A. Witmans c.s. (72) Dalibor Borjanin Robert Franciscus van der Hulst Rui Medeiros Santos (41) 18.05.2021	(51) G04B 3/04 G04F 7/08 (21) 2023823 (22) 12.09.2019 (54) Watch (71) Flexous Mechanisms IP B.V. (74) mr. ir. J. van Breda c.s. (72) Sybren Lennard Weeke (41) 17.05.2021	(51) G09B 19/00 A47B 97/04 (21) 2023956 (22) 03.10.2019 (54) Teaching Device Based on Memory Improvement (71) Shanghai Taixiong Education Equipment Group Co., Ltd. (74) J. Hoekstra (72) Jianyong Yao (41) 17.05.2021 (31) 201921482771.3 (32) 07.09.2019 (33) China
(51) F16M 11/10 (21) 2023844 (22) 18.09.2019 (54) DISPLAY COUNTERBALANCE MECHANISM (71) Microsoft Technology Licensing, LLC (74) ir. J.C. Volmer c.s. (72) Nicholas Benjamin Wendt (41) 18.05.2021	(51) G01C 21/00 (21) 2026218 (22) 05.08.2020 (54) An multi-platform cooperative navigation method based on information filtering with retaining historical status (71) HARBIN ENGINEERING UNIVERSITY (74) dr. G. Visser-Luirink (72) Bo Xu Jiao Zhang Yalin Fei (41) 18.05.2021	(51) H01L 31/048 (21) 2023851 (22) 18.09.2019 (54) Solar panel curved in two direction (71) ATLAS TECHNOLOGIES HOLDING B.V. (72) Hendrik Slingerland Durandus Dijken (41) 18.05.2021
(51) G01F 1/56 G01F 1/716 G01N 24/08 G01R 33/30 G01R 33/44 (21) 2026489 (22) 17.09.2020 (54) Werkwijze voor het bepalen van een afgeleide eigenschap van een medium en een nucleair magnetisch meetapparaat, computerprogramma-product en computerleesbaar opslagmedium voor een dergelijk medium (71) KROHNE AG (74) mr. ir. J. van Breda c.s. (72) Rutger Reinout Tromp (31) DE102019125121.4 (32) 18.09.2019 (33) Germany	(51) G06F 3/02 G06F 3/0354 G06F 3/039 (21) 2025036 (22) 03.03.2020 (54) Handheld pointing device, weighing unit therefore, extension unit and combination of keyboard and extension unit (71) 360 Service Agency GmbH (74) ir. M. van der Velden (72) Tobias Brinkmann (41) 17.05.2021 (31) 2023793 (32) 06.09.2019 (33) Netherlands	(51) H02S 20/30 H02S 40/38 H02S 40/42 (21) 2023809 (22) 11.09.2019 (54) Solar panel support and assembly comprising the solar panel support (71) Supersola B.V. (74) ir. A. Blokland c.s. (72) Julius Smith (41) 17.05.2021
(51) G01S 5/00 G01S 5/02 A01K 11/00 (21) 2023820 (22) 12.09.2019 (54) Systeem voor het bepalen van posities van een veelvoud van labels. (71) Nedap N.V. (74) ir. H.A. Witmans c.s. (72) Jeroen Martin van Dijk	(51) G06Q 50/08 (21) 1043382 (22) 17.09.2019 (54) WERKWIJZE VOOR HET VISUEEL IDENTIFICEREN VAN KRITIEKE STAPPEN IN EEN BOUWPROJECT (71) René Wehkamp Holding B.V. (72) René Johannes Josef Wehkamp (41) 18.05.2021	(51) H04L 12/58 (21) 2023811 (22) 11.09.2019 (54) VALIDATING AND PROVIDING ACCESSIBLE ELECTRONIC MESSAGES (71) Microsoft Technology Licensing, LLC (74) ir. J.C. Volmer c.s. (72) Christopher Dee Elvold Walker Peter Frem Vandana Gummuluru (41) 17.05.2021
	(51) G08G 1/095 G08G 1/096 (21) 2025140 (22) 16.03.2020 (54) GREEN SIGNAL CONTROL METHOD AND APPARATUS DEDICATED FOR OLD PERSON CROSSING THE STREET (71) SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY (74) dr. J. van Straaten	

NP2

Ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.

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

(51) A01G 22/05 A01H 1/02 (11) 1043577 (47) 18.05.2021 (22) 26.02.2020 (54) Inrichting voor het telen van vruchtdragende kasplanten, omvattende een trillingsgenerator ten behoeve van onderlinge bestuiving van de kasplanten (73) pelikaan gewasklemsystemen bv (72) cor pelikaan (31) 1043380 (32) 17.09.2019 (33) Netherlands	(72) Weicheng Wu Qile Xia Yan Cao Zhiguo Zhang Chengcheng Zhang Liehong Wu (74) M. Schmid (51) A23L 33/17 B01J 13/02 A23L 3/3463 A23L 33/105 (11) 2026059 (47) 17.05.2021 (22) 15.07.2020 (54) SODIUM ALGINATE CHITOSAN MICROCAPSULE CONTAINING POLYLISINE AND NISIN AND PREPARATION METHOD THEREFOR (73) Zhejiang University of Science and Technology (72) Jinyan Gong Gongnian Xiao Haina Yuan Bingquan Chu Shiwang Liu Ruosi Fang Ling Li Hui Zhang (74) M. Schmid (51) A45C 11/00 (11) 1043375 (47) 17.05.2021 (22) 10.09.2019 (54) CORD FOR ACCESSORY (73) Kascha-C (72) Marscha de Rond Karin van Dijk (51) A47G 25/12 A61H 3/02 (11) 1043378 (47) 17.05.2021 (22) 16.09.2019 (54) KRUKKENHOUDER (73) Daan Rudolf Horák (72) Daan Rudolf Horák (51) A61B 5/0408 A61B 5/00 A61F 13/00 A61F 13/02 A61K 9/70 G06K 19/077 (11) 1043384 (47) 18.05.2021 (22) 18.09.2019 (54) ACTIVATOR FOR ELECTRONIC CIRCUIT (73) Everaerts \sieben Holding (72) Dr Ir Franciscus Joannes Leonardus Everaerts (51) A61B 5/11	G01C 22/00 G01P 3/00 (11) 2025460 (47) 17.05.2021 (22) 29.04.2020 (54) Determining a walking speed (73) KONINKLIJKE PHILIPS N.V. (72) Sietse Rispens Alberto Giovanni Bonomi (74) dr. P.E. de Haan c.s. (51) A61F 2/16 (11) 2023829 (47) 18.05.2021 (22) 13.09.2019 (54) INTRAOCULAR LENS (73) Academisch Ziekenhuis Leiden (h.o.d.n. LUMC) (72) Gré P.M. Luyten Jan-Willem M. Beenhakker Luc van Vught (74) dr. A. Krebs (51) A61F 9/007 (11) 2023788 (47) 17.05.2021 (22) 06.09.2019 (54) A phaco driver system, a method and a computer program product (73) D.O.R.C. Dutch Ophthalmic Research Center (International) B.V. (72) Kees Bijkerk John Peter Kuntz Pieter van 't Hof Alejandro Enrique Viteri Vogel (74) ir. H.A. Witmans c.s. (51) A61H 23/02 A61H 1/00 (11) 2024910 (47) 18.05.2021 (22) 14.02.2020 (54) An apparatus suitable for promoting healing of a pre-tibial laceration, and for preventing occurrence and reoccurrence (73) Valdgård Holding ApS (72) Søren Valdgård Boye (74) ir. M.F.J.M. Ketelaars c.s. (31) PA 2019 00243 (32) 27.02.2019 (33) Denmark (51) A61M 16/00 (11) 2023830 (47) 17.05.2021 (22) 13.09.2019 (54) Ventilation assembly and harness (73) LMA Optimizer B.V. (72) Khaled Rafiqpoor (74) ir. A.R. Aalbers (51) A63C 1/28 (11) 2023782 (47) 17.05.2021 (22) 06.09.2019
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(54) Schaats, zoals een shorttrackschaats en combinatie van een schaats en een schaatsschoen	(54) Attitude control mechanism for a flapping wing aerial vehicle	(47) 17.05.2021
(73) Kushi Sports Netherlands BV	(73) Technische Universiteit Delft	(22) 06.09.2019
(72) Diederik van der Steen	(72) Matej Karasek	(54) Film dispenser with film ripper, and a knife
(74) ir. B.J. 't Jong	(72) Hendricus Maria Ruijsink	(73) Dries Cornelis Maria Stork
(51) B01D 46/00	(74) ir. J.C. Volmer c.s.	(72) Dries Cornelis Maria Stork
B01D 46/24	(51) B65B 23/06	(74) ir. F.A. Geurts c.s.
(11) 2023812	B65G 23/30	(51) B66C 23/52
(47) 17.05.2021	(11) 2023787	B66C 23/90
(22) 11.09.2019	(47) 17.05.2021	E02B 17/02
(54) Pulse-jet type bag filter assembly	(22) 06.09.2019	(11) 2023832
(73) Dutch Drying Systems B.V.	(54) Verpakkingsinrichting voor het verpakken van eieren	(47) 18.05.2021
(72) Roelof Steven Smeenk	(73) Hedipack Technology Beheer B.V.	(22) 13.09.2019
Remco Leenstra	(72) Berend Derk Grootherder	(54) Method for determining a crane or cantilever operations envelope on a jack-up platform unit, jack-up platform unit
(74) ir. H.A. Witmans c.s.	(74) ir. A. Blokland c.s.	(73) GustoMSC B.V.
(51) B03C 3/40	(51) B65D 39/00	(72) Kayo Vanderheggen
F24F 3/16	B65D 47/20	Frederik Vanhee
(11) 1043381	B65D 51/24	(74) ir. H.A. Witmans c.s.
(47) 18.05.2021	B65D 79/00	(51) C01B 33/14
(22) 17.09.2019	C10M 133/20	C01B 33/158
(54) Inrichting voor het ioniseren van fijnstof	(11) 2023843	(11) 2024151
(73) Arnoldus Martinus Cornelis Kieboom	(47) 18.05.2021	(47) 17.05.2021
(72) Arnoldus Martinus Cornelis Kieboom	(22) 18.09.2019	(22) 03.11.2019
(51) B23F 5/16	(54) Vacuum stopper and assembly of stopper and container	(54) High-temperature resistant silicon-based aerogel powder and preparation method thereof
B23F 15/00	(73) Airtender Works B.V.	(73) JIANGSU MIRAFUL NANO MATERIAL CO., LTD
(11) 2023814	(72) Dalibor Borjanin	(72) Wanjing Li
(47) 17.05.2021	Robert Franciscus van der Hulst	Meilan Wang
(22) 11.09.2019	Rui Medeiros Santos	Chuansheng Wang
(54) Method for manufacturing a stepped gear made from one workpiece	(74) ir. H.A. Witmans c.s.	(74) dr. J. van Straaten
(73) VCST Industrial Products BVBA	(51) B65D 50/06	(31) 201910184728.7
(72) Yves Willems	B65D 51/16	(32) 12.03.2019
(74) ir. G.J.M. Verhees	B65D 81/20	(33) China
(51) B63B 49/00	(11) 1043383	(51) C05G 1/00
G01C 3/26	(47) 18.05.2021	C05G 3/80
G01C 21/20	(22) 18.09.2019	(11) 2023363
(11) 2026220	(54) Locking device for airtight bottle	(47) 18.05.2021
(47) 18.05.2021	(73) Jui-Te Wang	(22) 24.06.2019
(22) 05.08.2020	Jordan S. Tarlow	(54) COMPOUND FERTILIZER AND APPLICATION METHOD THEREOF
(54) Multi-boat cooperative localization method with improvement of observability	(72) Jui-Te Wang	(73) Fujian Agriculture and Forestry University
(73) HARBIN ENGINEERING UNIVERSITY	Jordan S. Tarlow	(72) Fenglin Zhong
(72) Bo Xu	(74) drs. O. Griebeling	Zhiyuan Lin
Yu Guo	(51) B65D 85/50	Chunyu Shang
Yunpeng Guo	(11) 2023789	Maomao Hou
(74) dr. G. Visser-Luirink	(47) 17.05.2021	(74) mr. ir. J. van Breda c.s.
(51) B63B 49/00	(22) 06.09.2019	(31) 201910251293.3
G01S 7/52	(54) Bouquet holder, bouquet, blank and method	(32) 29.03.2019
G01S 15/74	(73) Hammerhead Group LLC	(33) China
(11) 2026219	(72) Sarah de Jonge	(51) C09K 5/06
(47) 18.05.2021	(74) ir. A.R. Aalbers	A41D 13/00
(22) 05.08.2020	(51) B65F 1/10	(11) 2023799
(54) Ranging error compensation method for multi-AUV cooperative navigation in dynamic conditions	B65F 1/14	(47) 17.05.2021
(73) HARBIN ENGINEERING UNIVERSITY	(11) 1043377	(22) 10.09.2019
(72) Bo Xu	(47) 17.05.2021	(54) FLEXIBLE PHASE CHANGE MATERIAL
Xiaoyu Wang	(22) 16.09.2019	(73) Tiesnitsch Beheer B.V.
Zhipeng Li	(54) Ondergrondse afvalcontainer	(72) Johannes IJsbrand Tiesnitsch
(74) dr. G. Visser-Luirink	(73) De Rooij Milieutechniek B.V.	(74) dr. T. Hubregtse
(51) B64C 33/02	(72) Arie Maurits de Rooij	(51) C10L 5/32
B64C 3/42	(74) drs. O. Griebeling	C10L 5/44
B64C 39/02	(51) B65H 35/00	(11) 2023220
(11) 2023828	B26D 1/00	(47) 17.05.2021
(47) 18.05.2021	B26F 3/00	(22) 28.05.2019
(22) 13.09.2019	B65B 67/08	
	B65H 16/00	
	(11) 2023784	

(54) VERBETERD BRANDSTOFELEMENT VOOR GEBRUIK IN EEN KACHEL EN DERGELIJKE EN WERKWIJZE VOOR HET VERVAARDIGEN ERVAN	(72) Bastiaan Franciscus Klein Tuente Ruben Hubert Jan de Vries Ike Essink	F15B 19/00 (11) 2022338 (47) 17.05.2021
(73) MICROCELL B.V.	(74) drs. C.H. Mink-Lindenburg	(22) 03.01.2019
(74) ir. M.B. Plaggenborg	(51) E21B 17/042	(54) Inrichting en werkwijze voor het detecteren van functiestoringen van een hydraulische actuator.
(51) C12N 11/18	(11) 2023800	(73) ROBERT BOSCH GMBH
C12P 7/04	(47) 17.05.2021	(72) Leo Caspers
C12M 1/00	(22) 10.09.2019	(74) ir. H.A. Witmans c.s.
C12M 1/40	(54) Threaded connection for exploration and production of a hydrocarbon well	(31) DE 10 2018 200 066.2
(11) 2023826	(73) Hydril Company	(32) 04.01.2018
(47) 17.05.2021	(72) David Mutis Rueda	(33) Germany
(22) 12.09.2019	Jorge Alberto Cordero	
(54) Photo biocatalytic synthesis of secondary fatty alcohols from unsaturated fatty acids	(74) ir. J.C. Volmer c.s.	(51) F16M 11/10
(73) Technische Universiteit Delft	(51) F03D 1/04	(11) 2023844
Technische Universität Graz	(11) 1043374	(47) 18.05.2021
(72) Frank Hollmann	(47) 17.05.2021	(22) 18.09.2019
Wuyuan Zhang	(22) 06.09.2019	(54) DISPLAY COUNTERBALANCE MECHANISM
Robert Kourist	(54) Curtiswiell windturbine.	(73) Microsoft Technology Licensing, LLC
(74) dr. A. Ellens c.s.	(73) Berend Haan	(72) Nicholas Benjamin Wendt
(51) C12Q 1/6818	(72) Berend Haan	(74) ir. J.C. Volmer c.s.
G01N 33/542	(51) F03D 7/00	(51) G01C 21/00
G01N 33/58	F03D 80/00	(11) 2026218
(11) 2023825	(11) 2026735	(47) 18.05.2021
(47) 17.05.2021	(47) 18.05.2021	(22) 05.08.2020
(22) 12.09.2019	(22) 22.10.2020	(54) An multi-platform cooperative navigation method based on information filtering with retaining historical status
(54) Single-molecule FRET for protein characterization	(54) AMPLITUDE MODULATION TYPE WIND TURBINE	(73) HARBIN ENGINEERING UNIVERSITY
(73) Technische Universiteit Delft	(73) SHANXI PINGYAO REDUCER CO., LTD.	(72) Bo Xu
Wageningen Universiteit	(72) Huijing Liang	Jiao Zhang
(72) Chirlmin Joo	Huanjing Yan	Yalin Fei
Mike Filius	Ning Lv	(74) dr. G. Visser-Luirink
Carlos de Lannoy	Yingjing Liang	(51) G01S 5/00
Dick de Ridder	Qihui Wang	G01S 5/02
(74) dr. A. Ellens c.s.	Shiyao Fan	A01K 11/00
(51) D06F 95/00	Shiming Wen	(11) 2023820
(11) 2023841	Dongdong Wu	(47) 17.05.2021
(47) 18.05.2021	Yingjun Yang	(22) 12.09.2019
(22) 18.09.2019	Zenghong Wu	(54) Systeem voor het bepalen van posities van een veelvoud van labels.
(54) An apparatus for sorting and stacking textile products	Dexiu Guo	(73) Nedap N.V.
(73) VEGA-systems B.V.	Haipeng Fan	(72) Jeroen Martin van Dijk
(72) Eugène Reginald Mariane van Vught	(74) ir. J.C. Volmer c.s.	(74) ir. H.A. Witmans c.s.
Adrianus Antonius Alouisius van Geffen	(51) F04B 1/0456	(51) G04B 3/04
(74) ir. A. Blokland c.s.	F04B 1/1071	G04F 7/08
(51) E04F 15/04	F04B 1/1072	(11) 2023823
B27M 3/06	F04B 9/04	(47) 17.05.2021
(11) 2023808	F04B 17/03	(22) 12.09.2019
(47) 17.05.2021	(11) 2023831	(54) Watch
(22) 11.09.2019	(47) 18.05.2021	(73) Flexous Mechanisms IP B.V.
(54) Werkwijze voor het vervaardigen van een vloerpaneel, het vloerpaneel en gebruik van het vloerpaneel	(22) 13.09.2019	(72) Sybren Lennard Weeke
(73) Bert Eikelboom	(54) Pump unit with conical motor chamber.	(74) mr. ir. J. van Breda c.s.
(72) Bert Eikelboom	(73) Power Packer North America, Inc.	(51) G04F 7/08
(74) ir. F.A. Geurts c.s.	(72) Marcel Gerardus Maria Nieuwenhuis	(11) 2023822
(51) E06B 9/266	Johnny Antonius Jacobus Wiggemans	(47) 17.05.2021
E06B 9/38	(74) ir. J.C. Volmer c.s.	(22) 12.09.2019
(11) 2023835	(51) F04B 49/22	(54) Chronograph watch
(47) 17.05.2021	B01F 3/04	(73) Flexous Mechanisms IP B.V.
(22) 16.09.2019	(11) 2023846	(72) Sybren Lennard Weeke
(54) INRICHTING VOOR HET BEVESTIGEN VAN EEN KOORD VAN EEN SCHERM AAN EEN OPPERVLAK	(47) 18.05.2021	(74) mr. ir. J. van Breda c.s.
(73) COULISSE B.V.	(22) 18.09.2019	(51) G06F 3/02
	(54) Kitchen appliance apparatus	G06F 3/0354
	(73) Airtender Works B.V.	G06F 3/039
	(72) Dalibor Borjanin	(11) 2025036
	Robert Franciscus van der Hulst	(47) 17.05.2021
	Rui Medeiros Santos	
	(74) ir. H.A. Witmans c.s.	
	(51) F15B 15/20	

(22) 03.03.2020	(22) 11.09.2019
(54) Handheld pointing device, weighing unit therefore, extension unit and combination of keyboard and extension unit	(54) VALIDATING AND PROVIDING ACCESSIBLE ELECTRONIC MESSAGES
(73) 360 Service Agency GmbH	(73) Microsoft Technology Licensing, LLC
(72) Tobias Brinkmann	(72) Christopher Dee Elvoid Walker
(74) ir. M. van der Velden	Peter Frem
(31) 2023793	Vandana Gummuluru
(32) 06.09.2019	(74) ir. J.C. Volmer c.s.
(33) Netherlands	
(51) G06Q 50/08	
(11) 1043382	
(47) 18.05.2021	
(22) 17.09.2019	
(54) WERKWIJZE VOOR HET VISUEEL IDENTIFICEREN VAN KRITIEKE STAPPEN IN EEN BOUWPROJECT	
(73) René Wehkamp Holding B.V.	
(72) René Johannes Josef Wehkamp	
(51) G07F 11/54	
(11) 2022000	
(47) 17.05.2021	
(22) 14.11.2018	
(54) System and method for dispensing and returning objects	
(73) Verhuurt het Holding B.V.	
(72) Liebertus Beukema	
(74) ir. M. van der Velden	
(31) NL2019910	
(32) 14.11.2017	
(33) Netherlands	
(51) G09B 19/00	
A47B 97/04	
(11) 2023956	
(47) 17.05.2021	
(22) 03.10.2019	
(54) Teaching Device Based on Memory Improvement	
(73) Shanghai Taixiong Education Equipment Group Co., Ltd.	
(72) Jianyong Yao	
(74) J. Hoekstra	
(31) 201921482771.3	
(32) 07.09.2019	
(33) China	
(51) H01L 31/048	
(11) 2023851	
(47) 18.05.2021	
(22) 18.09.2019	
(54) Solar panel curved in two direction	
(73) ATLAS TECHNOLOGIES HOLDING B.V.	
(72) Hendrik Slingerland	
Durandus Dijken	
(51) H02S 20/30	
H02S 40/38	
H02S 40/42	
(11) 2023809	
(47) 17.05.2021	
(22) 11.09.2019	
(54) Solar panel support and assembly comprising the solar panel support	
(73) Supersola B.V.	
(72) Julius Smith	
(74) ir. A. Blokland c.s.	
(51) H04L 12/58	
(11) 2023811	
(47) 17.05.2021	

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 29/04	(31) 201210585225	A01N 25/00
(11) EP3113596	201210584509	A01N 31/02
(21) EP14786790.7	(32) 28.12.2012	A01N 37/02
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(73) KLP Baumaschinen GmbH	G09B 29/00	Rickey, Todd Brandon
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(73) MTD Products Inc	CONVEYER	(72) MA, Yanbo
(72) LADD, JR., Timothy	(73) Forage Company B.V.	FENG, Jianxiong
HOBATH, Gary	(72) REIJERSEN VAN BUUREN, Willem	ZHOU, Jinying
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(73) Tokuyama Corporation	(31) 1856739	(72) HARADA Naomoto
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20.04.2015	(22) 26.05.2016	Olson, Matthew, Jonathan
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United States of America	(72) VAN HOVEN, Dylan T.	(31) 222737
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(47) 19.05.2021	A61B 90/00	(21) EP19154970.8
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(54) SINGLE-INSERTION, MULTIPLE	(87) US2015056978	ROBOT SYSTEM HAVING THE SAME
SAMPLING BIOPSY DEVICE WITH	19.05.2016	(73) Industry - University Cooperation
LINEAR DRIVE	(22) 22.10.2015	Foundation Hanyang University
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(72) THOMPSON, Stanley, O.	(73) Applied Medical Resources Corporation	Jeon, Seung Mun
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(47) 19.05.2021	ELLIOTT, Patrick	A61B 18/22
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(54) A BIOPSY DEVICE	YOUNG, Wayne	A61F 9/008
(73) National University of Ireland, Galway	FILEK, Jacob	A61M 25/01
(72) LONG, Damien	CASTELO, Kevin, B.	(11) EP2768446
BRENNAN, Edmund	Hoke, Adam	(21) EP12777986.6
SKELTON, Eugene	HOFSTETTER, Greg	(47) 19.05.2021
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		(73) Katalyst Surgical, LLC
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		Zeid, Matthew, N.

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(22) 10.02.2017	(54) ULTRASONIC SURGICAL	CHEN, Liping
(54) DRIVING DEVICES FOR	INSTRUMENT	QI, Haiping
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(73) Smart Medical Devices, Inc.	BEAUPRE, Jean	LIN, Wenjiao
(72) ANDERSON, Wayne R.	(31) 201762520491 P	(31) 201610016894
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A61F 2/42	(73) Servizo Galego de Saúde (SERGAS)	(73) Zimmer Spine, Inc.
(11) EP3244838	(72) NOGUERA AGUILAR, José Francisco	(72) VEDULA, Krishna C.
(21) EP15721107.9	AGUIRREZABALAGA GONZÁLEZ,	HESTAD, Hugh
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(87) US2015011020	CENTENO CORTÉS, Alberto	NUCKLEY, David
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(54) TARGETED SCREW FOR TALAR	(33) European Patent Office (EPO)	(32) 03.04.2014
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(73) Wright Medical Technology, Inc.	A61B 17/70	(51) A61B 17/70
(72) SANDER, Elizabeth J.	A61B 17/88	(11) EP3500195
(51) A61B 17/225	(11) EP3335653	(21) EP17758782.1
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(21) EP18211388.6	(54) ACCESS DEVICE FOR	(22) 22.08.2017
(47) 19.05.2021	PERCUTANEOUS SPINAL FUSION	(54) ARTICULATING DEROTATORS FOR
(22) 26.07.2013	(73) Stryker European Holdings I, LLC	DEFORMITY SPINAL SYSTEMS
(54) MICROWAVE ABLATION CATHETER	(72) REITBLAT, Abram	(73) Zimmer Biomet Spine, Inc.

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(54) METHOD AND APPARATUS FOR	(21) EP15704841.4	(47) 19.05.2021
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IMAGE SPACE	(87) IB2015000106	(54) LIGHT HARDENING DEVICE
(73) Medtronic Navigation, Inc.	23.12.2015	(73) Ivoclar Vivadent AG
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Ghanei, Amir	(54) ELASTIC-COATED ORTHODONTIC	SENN, Bruno
Mark, Kevin	APPLIANCE	(51) A61C 17/02
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A61C 1/06	(11) EP2496169	(54) PAUSE VALVE AND SWIVEL
A61C 1/08	(21) EP10795459.6	ASSEMBLIES FOR ORAL IRRIGATOR
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H02K 5/15	(54) IMPROVED DENTAL IMPLANT	MCCLARD, Christina
H02K 29/03	(73) Karmon, Ben-Zion	(31) 201662435054 P
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(22) 30.07.2015	(11) EP3397192	(21) EP13878438.4
(54) ELECTRIC MOTOR AND DENTAL	(21) EP16825573.5	(47) 19.05.2021
DEVICE	(47) 19.05.2021	(87) CN2013072420
(73) Nakanishi Inc.	(87) IL2016051339	18.09.2014
(72) NAKAMURA, Akito	06.07.2017	(22) 11.03.2013
(31) 2014156111	(22) 15.12.2016	(54) METHOD AND SYSTEM FOR BITE
(32) 31.07.2014	(54) DEVICES FOR ELEVATING THE	REGISTRATION
(33) Japan	SCHNEIDERIAN MEMBRANE	(73) Carestream Dental Technology Topco
(51) A61C 7/00	(73) Karmon, Ben-Zion	Limited
A61C 7/14	(72) Karmon, Ben-Zion	(72) GLINEC, Yannick
A61C 13/00	(31) 24340115	CHEN, Qinran
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(22) 11.02.2016	A61C 13/00	(21) EP18700879.2
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TRANSFER SHELL	(21) EP19173971.3	(87) EP2018050684
(73) Hodecker, Matthias	(47) 19.05.2021	19.07.2018
Wein, Stephan	(22) 27.05.2014	(22) 11.01.2018
Wüllenweber, Peter	(54) METHOD FOR CREATING ARTIFICIAL	(54) TEETH ILLUMINATION DEVICE WITH A
(72) Hodecker, Matthias	TEETH	LIGHT GUIDE
Wein, Stephan	(73) Ivoclar Vivadent AG	(73) Koninklijke Philips N.V.
(31) 102015102058	(72) Burger, Goran	(72) VERMEULEN, Olaf, Thomas, Johan,
(32) 12.02.2015	(51) A61C 9/00	Antonie
(33) Germany	A61C 19/04	VAN DEN BIJGAART, Adrianus,
(51) A61C 7/08	A61C 19/05	Wilhelmus, Dionisius, Maria
(11) EP3157458	(11) EP3536277	BLOEMEN, Pascal, Jean, Henri
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HU, Wenhui	(73) CSL Behring Lengnau AG	Vaucluse
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(33) Germany	(73) Dimension-Polyant GmbH	(31) 201461968257 P
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B32B 27/34	C09J 127/16	B32B 27/20
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C23C 22/52	GUIDON, Eric	KLIPPE, Lutz
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AND METHOD FOR PRODUCING	SUPPRESSION BY CONDUCTION	FOR PREPARATION OF A FIREPROOF
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(72) TOMATSU, Itsuro	SYSTEM OF A GLAZING	(72) TE STRAKE, David
KUMAZAKI, Kosuke	(73) SAINT-GOBAIN GLASS FRANCE	GELDERIE, Udo
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AND MANUFACTURING THEREOF	B64D 45/02	COMPRISING A MULTILAYER
(73) Wayray AG	(11) EP3648972	SAPPHIRE COVER PLATE
(72) POPKOVA, Vera Ya	(21) EP18765687.1	(73) GTAT Corporation
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(47) 19.05.2021	ELEMENT AND THE WINDOW PRESS	C04B 35/563
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AND LAMINATED GLASS	(72) DEBRUS, Marie-Hélène	C04B 35/80
(73) AGC Inc.	TONDU, Thomas	F01D 5/20
(72) NAKAMURA, Atsushi	CANALES, Hugo	F01D 5/28
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G06K 9/00	(51) B32B 17/10	CERAMIC MATRIX COMPOSITE
G06K 9/20	C03B 18/02	COMPONENT
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(73) Canon Kabushiki Kaisha	(51) B41J 25/00	Scherer, Maik Rudolf Johann
(72) HORIUCHI Izuru	(11) EP3157754	Scherer, Kai Herrmann
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(51) B41J 11/00	(73) Giesecke+Devrient Currency Technology GmbH	(51) B42D 25/25
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(21) EP19164156.2	B42D 25/346	(87) EP2016081228
(47) 19.05.2021	B42D 25/351	22.06.2017
(22) 20.03.2019	B42D 25/373	(22) 15.12.2016
(54) MEDIUM CONVEYING DEVICE, RECORDING DEVICE, AND METHOD FOR DETERMINING SKEWING STATE OF CONVEYANCE BELT	B42D 25/435	(54) OBJECT COMPRISING INFORMATION, AND METHOD FOR APPLYING AND READING THE INFORMATION TO/ON THE OBJECT
(73) Seiko Epson Corporation	(11) EP2746059	(73) Bogen Electronic GmbH
(72) SASAKI, Tsutomu	(21) EP13005877.9	(72) BECKER, Torsten
YAMASHITA, Takahiro	(47) 19.05.2021	(31) 102015121822
(31) 2018052140	(22) 17.12.2013	(32) 15.12.2015
(32) 20.03.2018	(54) Safety element with tilting effect	(33) Germany
(33) Japan	(73) Giesecke+Devrient Currency Technology GmbH	(51) B43K 5/18
(51) B41J 11/00	(72) Dörfler, Walter, Dr.	B43K 7/01
B41J 15/04	(31) 102012025089	B43K 7/02
B65H 23/02	(32) 20.12.2012	B43K 7/08
B65H 23/04	(33) Germany	B43K 8/02
B65H 23/188	(51) B42D 1/00	B43K 8/04
G03G 15/00	B44F 1/00	B43K 8/08
H04N 1/50	B44F 7/00	(11) EP3424746
(11) EP3378809	C09C 1/00	(21) EP18759540.0
(21) EP18152953.8	C09C 1/62	(47) 19.05.2021
(47) 19.05.2021	C09C 1/64	(87) CN2018071970
(22) 23.01.2018	G11B 33/00	15.11.2018
(54) BASE MATERIAL PROCESSING APPARATUS AND DETECTION METHOD	B42D 25/29	(22) 09.01.2018
(73) SCREEN Holdings Co., Ltd.	B42D 25/378	(54) DIRECT LIQUID TYPE WRITING TOOL
(72) USUMOTO, Hiroaki	(11) EP3608369	(73) Qingdao Changlong Stationery CO., LTD
YOSHIDA, Mitsuhiro	(21) EP19020462.8	(72) XIE, Sipeng
YAMAMOTO, Takaharu	(47) 19.05.2021	(31) 201710335298
(31) 2017058462	(22) 07.08.2019	201720528082 U
2017166917	(54) PLATELET-SHAPED EFFECT PIGMENT COMPRISING A THERMOCHROMIC	(32) 12.05.2017
(32) 24.03.2017		12.05.2017
		(33) China

China	17.02.2017	(22) 21.06.2018
(51) B44F 1/06	17.03.2017	(54) PNEUMATIC TYRE FOR A VEHICLE
B44F 1/10	(33) Switzerland	CARRYING HEAVY LOADS,
D21H 21/44	Switzerland	COMPRISING A NEW TREAD
G02B 3/00	Switzerland	(73) Compagnie Générale des
G02B 27/06	(51) B60B 7/00	Etablissements Michelin
B42D 25/00	B60B 7/20	(72) FLEURY, Etienne
B42D 25/342	B60K 7/00	(31) 1755700
G02B 30/27	B60Q 1/32	(32) 22.06.2017
(11) EP2284018	B60Q 1/34	(33) France
(21) EP10014985.5	(11) EP3505364	(51) B60C 1/00
(47) 19.05.2021	(21) EP18210829.0	C08F 4/54
(22) 22.11.2004	(47) 19.05.2021	C08F 210/02
(54) Micro-optic security and image	(22) 06.12.2018	C08F 236/06
presentation system	(54) WHEEL COVER FOR VEHICLE, DRIVE	(11) EP3390465
(73) Visual Physics, LLC	UNIT FOR VEHICLE AND VEHICLE	(21) EP16829259.7
(72) Steenblik, Richard A.	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(47) 19.05.2021
Hurt, Mark J.	(72) MATSUOKA, Tomohito	(87) FR2016053537
Jordan, Gregory R.	TSUNODA, Seiichi	22.06.2017
(31) 524281 P	GOTO, Jiro	(22) 16.12.2016
538392 P	YAMADA, Masayuki	(54) ETHYLENE/BUTADIENE
627234 P	ETO, Yasutaka	COPOLYMER OF HOMOGENEOUS
(32) 21.11.2003	FUKUNAGA, Keima	MICROSTRUCTURE
22.01.2004	(31) 2017249587	(73) Compagnie Générale des
12.11.2004	(32) 26.12.2017	Etablissements Michelin
(33) United States of America	(33) Japan	(72) THUILLIEZ, Julien
United States of America	(51) B60B 21/02	PACHECO, Nuno
United States of America	B60B 21/06	(31) 1562573
(51) B60B 3/14	(11) EP2487047	(32) 17.12.2015
B60B 5/02	(21) EP11193633.2	(33) France
F16D 65/00	(47) 19.05.2021	(51) B60C 1/00
(11) EP3585624	(22) 15.12.2011	C08F 236/06
(21) EP17811571.3	(54) BICYCLE RIM	C08F 236/08
(47) 19.05.2021	(73) Shimano Components (Malaysia) SDN	(11) EP3645312
(87) EP2017081978	BHD	(21) EP18758912.2
30.08.2018	(72) Chan, Yoke Seng	(47) 19.05.2021
(22) 08.12.2017	Kuan, Kim Hong	(87) FR2018051584
(54) WHEEL MADE OF FIBER-	Hanatan, Masahiro	03.01.2019
REINFORCED COMPOSITE MATERIAL	(31) 201113026492	(22) 28.06.2018
AND PROVIDED WITH GALVANIC	(32) 14.02.2011	(54) PROCESS FOR PREPARING A
ISOLATION	(33) United States of America	STATISTICAL COPOLYMER BASED
(73) Bayerische Motoren Werke	(51) B60C 1/00	ON ACYCLIC DIENE MONOMERS
Aktiengesellschaft	B60C 11/00	AND CYCLIC DIENE MONOMERS,
ThyssenKrupp Carbon Components	B60C 11/03	COPOLYMERS AND COMPOSITIONS
GmbH	B60C 11/13	CONTAINING SAME
(72) JÄGER, Elmar	(11) EP3523140	(73) Compagnie Générale des
WERNER, Jens	(21) EP17786979.9	Etablissements Michelin
DREßLER, Michael	(47) 19.05.2021	(72) MATMOUR, Rachid
(31) 102017203172	(87) FR2017052733	NGO, Robert
(32) 27.02.2017	12.04.2018	SCHNELL, Benoît
(33) Germany	(22) 05.10.2017	(31) 1756120
(51) B60B 5/02	(54) TYRE TREAD FOR A HEAVY CIVIL-	(32) 30.06.2017
B60B 25/04	ENGINEERING VEHICLE	(33) France
(11) EP3526057	(73) Compagnie Générale des	(51) B60C 1/00
(21) EP17784246.5	Etablissements Michelin	C08G 77/18
(47) 19.05.2021	(72) SPINNLER, Olivier	C08G 77/22
(87) EP2017075219	CLADIERE, Julien	C08G 77/442
26.04.2018	(31) 1659672	C08K 3/04
(22) 04.10.2017	(32) 07.10.2016	C08K 3/36
(54) WHEEL MADE OUT OF FIBER	(33) France	C08L 9/00
REINFORCED MATERIAL AND	(51) B60C 1/00	C08L 21/00
PROCEDURE TO MAKE SUCH WHEEL	C08F 2/22	C08L 47/00
(73) Mubea Carbo Tech GmbH	C08L 9/06	C08L 83/10
(72) RENNER, Christoph	(11) EP3642050	(11) EP3445807
(31) 13832016	(21) EP18755505.7	(21) EP17786609.2
1852017	(47) 19.05.2021	(47) 19.05.2021
3292017	(87) FR2018051497	(87) US2017028522
(32) 17.10.2016	27.12.2018	26.10.2017

(22) 20.04.2017	(21) EP18714819.2	(11) EP3656586
(54) TERMINAL-FUNCTIONALIZED POLYMER, RUBBER COMPOSITION CONTAINING SAME AND RELATED PROCESSES	(47) 19.05.2021	(21) EP18913202.0
(73) Bridgestone Corporation	(87) FR2018050482	(47) 19.05.2021
(72) YAN, Yuan-Yong	07.09.2018	(87) JP2018036755
(31) 201662325552 P	(22) 02.03.2018	09.04.2020
(32) 21.04.2016	(54) TYRE TREAD FOR HGV TRAILER	(22) 01.10.2018
(33) United States of America	(73) Compagnie Générale des Etablissements Michelin	(54) TIRE STATE MONITORING SYSTEM, TRANSMITTER, AND RECEIVER
(51) B60C 9/00	(72) DAYET, Patrick	(73) Pacific Industrial Co., Ltd.
B60C 9/20	BUFFETAUD, Benoît	(72) FUJII, Keiyu
(11) EP3027424	BABAUD, Jacques	(51) B60C 23/06
(21) EP14737231.2	(31) 1770212	(11) EP3027436
(47) 19.05.2021	(32) 03.03.2017	(21) EP14741291.0
(87) EP2014064559	(33) France	(47) 19.05.2021
05.02.2015	(51) B60C 11/03	(87) EP2014065476
(22) 08.07.2014	B60C 11/12	05.02.2015
(54) RADIAL TYRE HAVING A LIGHTWEIGHT BELT STRUCTURE	(11) EP3727892	(22) 18.07.2014
(73) Compagnie Générale des Etablissements Michelin	(21) EP18833536.8	(54) METHOD AND SYSTEM FOR DETERMINING A PRESSURE RATIO BETWEEN A TARGET TIRE PRESSURE AND A CURRENT TIRE PRESSURE FOR A TIRE OF A VEHICLE
(72) ASTAIX, Camille	(47) 19.05.2021	(73) Volkswagen Aktiengesellschaft
TADJOA, Odile	(87) IB2018060289	Scania CV AB
LARDJANE, Aurore	27.06.2019	(72) STEINMEYER, Simon
(31) 1357498	(22) 18.12.2018	MEINECKE, Marc-Michael
(32) 30.07.2013	(54) TREAD COMPONENT	DEGERMAN, Pär
(33) France	(73) Bridgestone Europe NV/SA	DEEG, Carsten
(51) B60C 11/03	(72) SPARACINO, Andrea	(31) 102013108283
(11) EP3718788	SANTANGELI, Fabio	(32) 01.08.2013
(21) EP20165365.6	DE LIDDO, Marco	(33) Germany
(47) 19.05.2021	(31) 201700149345	(51) B60C 25/05
(22) 24.03.2020	(32) 22.12.2017	B60C 25/138
(54) TIRE	(33) Italy	(11) EP3556578
(73) Sumitomo Rubber Industries, Ltd.	(51) B60C 23/00	(21) EP19164533.2
(72) NAKANO, Kosuke	B60K 7/00	(47) 19.05.2021
FUJITA, Masayuki	B60K 17/34	(22) 22.03.2019
AOKI, Daisuke	F04B 1/047	(54) METHOD AND MACHINE FOR TREATING A TIRED WHEELS
IMAI, Daiki	(11) EP3645328	(73) Butler Engineering & Marketing S.p.A.
(31) 2019071436	(21) EP18755507.3	(72) GONZAGA, Tullio
2019071437	(47) 19.05.2021	TAROZZI, Cristiano
2019071441	(87) FR2018051588	(31) 201800004624
(32) 03.04.2019	03.01.2019	(32) 17.04.2018
03.04.2019	(22) 28.06.2018	(33) Italy
03.04.2019	(54) IMPROVED STEERING PIVOT PIN FORMING AN INTERNAL PNEUMATIC PASSAGE	(51) B60D 1/14
(33) Japan	(73) Poclain Hydraulics Industrie	B60S 13/00
Japan	(72) FREY, Adam	B65G 35/00
Japan	HAWK, Homer	G01V 5/00
(51) B60C 11/03	MICHON, Sylvain	(11) EP3285093
B60C 11/12	(31) 1756152	(21) EP15888750.5
(11) EP3461657	(32) 30.06.2017	(47) 19.05.2021
(21) EP18190383.2	(33) France	(87) CN2015000531
(47) 19.05.2021	(51) B60C 23/04	20.10.2016
(22) 23.08.2018	(11) EP3532317	(22) 24.07.2015
(54) TIRE	(21) EP17783858.8	(54) FIXED VEHICLE SAFETY INSPECTION SYSTEM
(73) SUMITOMO RUBBER INDUSTRIES, LTD.	(47) 19.05.2021	(73) Nuctech Company Limited
(72) KUJIME, Tomoyuki	(87) EP2017076194	(72) FU, Bing
OKAGAWA, Hiroshi	03.05.2018	SUN, Shangmin
(31) 2017178880	(22) 13.10.2017	YU, Weifeng
2017248056	(54) METHOD FOR OPERATING A TYRE PRESSURE MONITORING UNIT AND TYRE PRESSURE MONITORING SYSTEM	TANG, Sheng
(32) 19.09.2017	(73) Huf Baolong Electronics Bretten GmbH	TAN, Haitian
25.12.2017	(72) ALEXANDER, Markus	LIANG, Jinning
(33) Japan	WAGNER, Markus	LIANG, Zhizhong
Japan	(31) 102016120457	HE, Yuan
(51) B60C 11/03	(32) 26.10.2016	WANG, Qiangqiang
B60C 11/12	(33) Germany	
(11) EP3589503	(51) B60C 23/04	

(31) 201510176907	28.12.2017	(22) 29.08.2018
(32) 15.04.2015	(22) 24.06.2016	(54) MOTOR VEHICLE WITH A COOLING SYSTEM
(33) China	(54) VEHICLE THRUST BEARING	(73) VOLKSWAGEN AKTIENGESELLSCHAFT
(51) B60D 1/46	(73) Oiles Corporation	(72) LUCKE, Stefan
B60P 1/64	Oiles Deutschland GmbH	SCHULZE, Tobias
B62B 3/00	(72) HAMRODI, Robert	STELZNER, Robert
B65G 1/137	METZLER, Kai	REUTERS, Ulf
G05D 1/02	NAGASHIMA, Tsuyoshi	(31) 102017120615
(11) EP3098111	KUROSE, Kouhei	(32) 07.09.2017
(21) EP16172360.6	(51) B60G 21/055	(33) Germany
(47) 19.05.2021	(11) EP3638523	(51) B60H 1/22
(22) 22.09.2005	(21) EP18735644.9	F23C 99/00
(54) INVENTORY SYSTEM WITH MOBILE DRIVE UNIT AND INVENTORY HOLDER	(47) 19.05.2021	F23D 3/40
(73) Amazon Technologies, Inc.	(87) FR2018051224	F23Q 7/08
(72) MOUNTZ, Michael C.	20.12.2018	F23Q 13/00
AMSBURY, Burl W.	(22) 23.05.2018	F23Q 21/00
D'ANDREA, Raffaello	(54) ANTI-ROLL DEVICE WITH CONTROLLED COUPLING MEANS FOR A MOTOR VEHICLE AXLE ASSEMBLY	(11) EP3650755
LAPLANTE, John A.	(73) PSA Automobiles SA	(21) EP19206393.1
LYONS, David F., II	BWI France S.A.S.U.	(47) 19.05.2021
MANSFIELD, Peter K.	(72) CAVAREC, Alan	(22) 31.10.2019
(31) 965523	GERMAIN, Philippe	(54) COMBUSTION CHAMBER MODULE FOR A VEHICLE HEATER
(32) 14.10.2004	PERR E, Bruno	(73) Eberspächer Climate Control Systems GmbH
(33) United States of America	(31) 1755356	(72) Keefer, Jörg
(51) B60D 5/00	(32) 14.06.2017	(31) 102018127863
B61D 13/00	(33) France	(32) 08.11.2018
B61D 17/20	(51) B60H 1/00	(33) Germany
B61D 19/02	(11) EP3041694	(51) B60H 1/32
B62D 47/02	(21) EP14752608.1	B60P 3/20
(11) EP3504096	(47) 19.05.2021	B62D 35/00
(21) EP17816483.6	(87) EP2014067354	(11) EP2938517
(47) 19.05.2021	12.03.2015	(21) EP13868375.0
(87) EP2017080097	(22) 13.08.2014	(47) 19.05.2021
31.05.2018	(54) HEATING/COOLING SYSTEM FOR VEHICLES AND METHOD FOR OPERATING A HEATING/COOLING SYSTEM FOR VEHICLES	(87) US2013078536
(22) 22.11.2017	(73) Pierburg GmbH	03.07.2014
(54) ARTICULATED VEHICLE	(72) HOPP, Martin	(22) 31.12.2013
(73) Siemens Mobility Austria GmbH	NAUSE, Fabienne	(54) DEVICE AND METHOD FOR ENHANCING HEAT EXCHANGER AIRFLOW
(72) NEDELIK, Robert	EBERT, Christian	(73) Thermo King Corporation
(31) 510742016	KÖHLER, Matthias	(72) LAWRENCE, Wilson Samuel Jesudason
(32) 25.11.2016	(31) 102013109666	DYKES, David John
(33) Austria	(32) 04.09.2013	BALAKRISHNA, Abhijith
(51) B60G 3/20	(33) Germany	ARNESON, Christopher Thomas
B62D 7/06	(51) B60H 1/00	(31) 201261747856 P
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(21) EP19202142.6	(21) EP19201379.5	(32) 31.12.2012
(47) 19.05.2021	(47) 19.05.2021	14.03.2013
(22) 09.10.2019	(22) 04.10.2019	(33) United States of America
(54) WHEEL SUSPENSION SYSTEM FOR THE FRONT AXLE OF MOTOR VEHICLES	(54) AIR-CONDITIONING DEVICE FOR A VEHICLE COMPRISING AN ARTICULATED FLAP	United States of America
(73) Perri, Eugenio	(73) DENSO THERMAL SYSTEMS S.p.A.	(51) B60H 1/32
(72) Perri, Eugenio	(72) FERRARESE, Claudio	F25B 39/02
(31) 201800009669	CARBONE, Andrea	F28D 1/053
(32) 22.10.2018	(31) 201800009225	F28D 20/00
(33) Italy	(32) 08.10.2018	F28D 20/02
(51) B60G 15/06	(33) Italy	(11) EP3480545
F16C 17/04	(51) B60H 1/00	(21) EP17836635.7
F16C 17/10	B60H 1/32	(47) 19.05.2021
F16C 19/10	B60K 11/02	(87) JP2017022724
F16C 19/12	H01M 6/50	08.02.2018
F16C 35/02	(11) EP3454401	(22) 20.06.2017
F16C 35/06	(21) EP18191416.9	(54) COLD STORAGE EVAPORATOR
F16F 9/32	(47) 19.05.2021	(73) Japan Climate Systems Corporation
(11) EP3477138		(72) IWANARI Motoaki
(21) EP16906344.3		YOSHIDA Takashi
(47) 19.05.2021		
(87) JP2016068927		

YAMAGUCHI Hiroshi	(73) Compagnie Plastic Omnium	(32) 20.08.2015
KITA Kazunori	(72) DEMANGE, Jean-Yves	(33) United States of America
(31) 2016153828	COUDRON, Philippe	(51) B60J 10/24
(32) 04.08.2016	(31) 1358548	B60J 10/80
(33) Japan	(32) 06.09.2013	(11) EP3354502
(51) B60H 1/34	(33) France	(21) EP18153540.2
F24F 13/14	(51) B60J 5/06	(47) 19.05.2021
(11) EP3693198	B64C 1/14	(22) 25.01.2018
(21) EP19156081.2	E05F 5/00	(54) DOOR FOR A VEHICLE
(47) 19.05.2021	(11) EP3747760	(73) IVECO FRANCE S.A.S.
(22) 07.02.2019	(21) EP19400013.9	(72) CODRON, Stephane
(54) AN AIR VENT DEVICE FOR A	(47) 19.05.2021	(31) 201700007820
VENTILATION SYSTEM OF A VEHICLE	(22) 06.06.2019	(32) 25.01.2017
(73) Ningbo Geely Automobile Research &	(54) A VEHICLE, IN PARTICULAR AN	(33) Italy
Development Co. Ltd.	AIRCRAFT, WITH A SLIDING ELEMENT	(51) B60K 1/00
(72) PIHLGÅRD, Måns	ARRANGEMENT	B60K 7/00
SETTERBERG, Johan	(73) AIRBUS HELICOPTERS	B60K 17/08
(51) B60J 1/00	DEUTSCHLAND GmbH	B60K 17/16
B60J 1/17	Airbus Helicopters	F16H 3/66
B61D 25/00	(72) Vayssiere, Aurélien	F16H 57/10
(11) EP3668734	Semoli, Glauco	F16H 63/30
(21) EP18785831.1	Fruitet, Pierre	(11) EP3591261
(47) 19.05.2021	(51) B60J 5/10	(21) EP19193979.2
(87) EP2018075808	(11) EP3164284	(47) 19.05.2021
28.03.2019	(21) EP15756962.5	(22) 19.07.2018
(22) 24.09.2018	(47) 19.05.2021	(54) FOUR-SPEED TRANSAXLE FOR HIGH
(54) WINDOW DEVICE FOR A RAIL	(87) FR2015051829	EFFICIENCY ELECTRIC VEHICLE
VEHICLE	07.01.2016	(73) Guangzhou Sunmile Dynamic
(73) Siemens Mobility GmbH	(22) 02.07.2015	Technologies Corp., LTD
(72) KAMMERLOHER, Herbert	(54) MOTOR VEHICLE COMPRISING A	(72) DUAN, Fuhai
HENGSTENBERG, Thomas	PIVOTING TAILGATE	WANG, Yu
WIMBERGER, Thomas	(73) Renault S.A.S.	CHEN, Jun
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(32) 25.09.2017	GODAVARI, Balaji Sai Kiran	201710891299
(33) Germany	JHA, Brijesh	201710967159
(51) B60J 3/04	(31) 3256CH2014	201711015033
B60K 35/00	1457786	201711084984
B60R 1/00	(32) 02.07.2014	201711461366
B60R 11/00	13.08.2014	201810090955
B60R 11/02	(33) India	201810140978
B60W 50/00	France	201810212143
B60Q 3/252	(51) B60J 5/10	(32) 08.09.2017
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(21) EP18215608.3	(47) 19.05.2021	25.10.2017
(47) 19.05.2021	(87) FR2016052319	07.11.2017
(22) 21.12.2018	23.03.2017	28.12.2017
(54) VEHICLE	(22) 14.09.2016	30.01.2018
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(54) VEHICLE TAILGATE COMPRISING A	11.02.2018
(72) SASAKI, Akira	REINFORCED INTERFACE ELEMENT	15.03.2018
ANDO, Eisuke	(73) Compagnie Plastic Omnium	(33) China
HAYASHIMA, Misako	(72) PORCHEROT, Didier	China
KITOH, Saki	HACHE, Bertrand	China
YAMASHITA, Masahiro	(31) 1558523	China
(31) 2018009973	(32) 14.09.2015	China
(32) 24.01.2018	(33) France	China
(33) Japan	(51) B60J 7/11	China
(51) B60J 5/04	B60J 7/12	China
B60J 5/10	(11) EP3132956	China
(11) EP3041698	(21) EP16185007.8	(51) B60K 1/00
(21) EP14777719.7	(47) 19.05.2021	B60K 17/16
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(22) 05.09.2014	(72) HABERKAMP, William Henry	(21) EP17203741.8
(54) INNER BOX FOR A VEHICLE	STICKLES, George	(47) 19.05.2021
TAILGATE, WITH A TECHNICAL PANEL	JUNKIN, Duane Charles	(22) 27.11.2017
FITTED THERETO	(31) 201514831414	(54) HEAVY-DUTY DRIVE AXLE

(73) Zhejiang Linix Motor Co., Ltd.	(72) NGUYEN, Luan	(47) 19.05.2021
(72) Shentu, Jun	ERNAULT, Hubert	(22) 25.01.2013
(31) 201710638702	ESTIOT, Christophe	(54) Method and user interface system of
(32) 31.07.2017	(51) B60K 20/02	a vehicle for providing an energy level
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(73) Ichikoh Industries, Ltd.	(73) HUF Hülsbeck & Fürst GmbH & Co. KG	FANG, Yong Qiang
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DEVICE	United States of America	C08J 5/24
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C01B 3/48	H01B 1/10	(47) 19.05.2021
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AND MOLDED ARTICLE USING SAID	SHIN, Ji-Yong	USING A BIOELECTROCHEMICAL
RESIN COMPOSITION	HOELZLE, Markus	SYSTEM
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(54) METHOD FOR PRODUCING NICKEL	C02F 3/28	FIBERS IN A REDUCING
LITHIUM METAL COMPLEX OXIDE	C02F 3/30	ATMOSPHERE
POWDER OF SMALL PARTICLE SIZE	C02F 103/00	(73) Corning Incorporated
(73) Umicore	C12M 1/00	(72) BILLINGS, Amanda, Lee
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C04B 111/62	H01M 10/0568	C23C 24/08
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(73) INSTITUTE OF CHEMISTRY, CHINESE ACADEMY OF SCIENCES	BATRA, Ashish	(11) EP3476872
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(73) DIC Corporation	(73) Bostik SA	MARÍN PERALES, Laura
(72) IMADA Tomoyuki	(72) MICHAUD, Guillaume	GALDÁMEZ PEÑA, Román
KAGE Takakazu	SIMON, Frédéric	BLANCO GONZÁLEZ, María Dolores
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NEFZGER, Hartmut	AMICI-KROUTILOVA, Irena	Centre National de la Recherche Scientifique
ARNTZ, Hans-Detlef	COOKSON, Paul	Université d'Aix Marseille
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THOMAS, Oliver	Scientifique (CNRS)	OTA, Miharū
HATTA, Minoru	College de France	TATEMACHI, Mayuko
FUJII, Takamasa	Université Pierre et Marie Curie (Paris 6)	KOMATSU, Nobuyuki
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AND METHOD FOR MANUFACTURING	(73) Corning Incorporated	Katayama, Tsutaki
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C08L 51/04	AND HIGH STIFFNESS AND THE	SCHERZER, Dietrich
C08L 55/02	SHAPED ARTICLE THEREFORE	FERBITZ, Jens
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C08K 3/00	SONG, Shijie	TAYLOR, Ryan E
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(22) 22.11.2018		TAKEMURA Hirofumi
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Université de Haute Alsace	VOZNYI, Oleksandr	(32) 11.10.2016
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(51) E06B 9/54	14.06.2018	ALIGNED BALANCING FLANGE AND
(11) EP3453824	(22) 05.12.2017	COMPRESSOR
(21) EP17770090.3	(54) THRU-TUBING RETRIEVABLE	(73) MTU Aero Engines AG
(47) 19.05.2021	INTELLIGENT COMPLETION SYSTEM	(72) Binstener, Thomas
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(22) 16.03.2017	NOUI-MEHIDI, Mohamed N.	F01D 25/16
(54) SCREEN DEVICE	(31) 201662430395 P	F01D 25/18
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(72) TODA Hirosugu	(32) 06.12.2016	(11) EP3196424
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E21B 3/02	E21B 47/06	(54) CENTER VENT TUBE ALIGNING
E21B 19/06	E21B 47/12	MECHANISM AND CENTER VENT
E21B 19/15	(11) EP3204603	TUBE SUPPORT DEVICE
E21B 19/16	(21) EP15849646.3	(73) IHI Corporation
E21B 19/20	(47) 19.05.2021	(72) AMANO Shinichi
E21B 19/24	(87) CA2015051009	(31) 2015012153
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(47) 19.05.2021	(54) APPARATUS AND METHODS	(51) F01D 5/02
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(73) Schenck RoTec GmbH (72) Wanke, Thomas Hartnagel, Matthias (31) 102018115363 (32) 26.06.2018 (33) Germany	(51) F01D 5/14 F01D 5/28 (11) EP3604740 (21) EP19188278.6 (47) 19.05.2021 (22) 25.07.2019 (54) COMPOSITE VANE WITH METAL FRAME AND MANUFACTURING METHOD THEREOF (73) SAFRAN AIRCRAFT ENGINES (72) FROMONTEIL, Didier DALLOZ, Alexandre (31) 1857143 (32) 31.07.2018 (33) France	(51) F01D 5/18 (11) EP3354853 (21) EP18153612.9 (47) 19.05.2021 (22) 26.01.2018 (54) TURBINE BLADE WITH SLOT FILM COOLING AND MANUFACTURING METHOD (73) Raytheon Technologies Corporation (72) LEWIS, Scott D. LANA, Kyle C. (31) 201715419612 (32) 30.01.2017 (33) United States of America
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(72) Prophet-Hinckley, Tracey A. Gregg, Shawn J. Learned, Amanda Jean	(72) BLANEY, Ken F. HAYFORD, Richard K. JAROCHYM, Christopher M.	(73) Nuovo Pignone Tecnologie Srl
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(22) 12.02.2013	(73) General Electric Company	(22) 19.06.2018
(54) GAS TURBINE ENGINE COMPONENT	(72) LASKOWSKI, Benjamin David SEELY, William Forrester	(54) UNISON RING ASSEMBLY
(73) Raytheon Technologies Corporation	(31) 201715426649	(73) Rolls-Royce plc
(72) MONGILLO, Dominic, J. GLEINER, Matthew, S.	(32) 07.02.2017	(72) Littler, Graham
(31) 201261599378 P	(33) United States of America	(31) 201711582
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(51) F01D 9/02	(47) 19.05.2021	(54) INSPECTION TOOL AND METHOD
F01D 11/00	(22) 24.01.2017	(73) General Electric Company
F16J 15/08	(54) TURBOMACHINE ASSEMBLY	(72) GRAHAM, Andrew
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(73) Siemens Energy Global GmbH & Co. KG	H02K 7/18	(21) EP14809456.8
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(22) 18.07.2019	11.12.2014	(72) GUINGO, Sébastien Lionel BROUSSELLE, Joris
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(73) Raytheon Technologies Corporation	(54) JET ENGINE ASSEMBLY AND METHOD FOR GENERATING ELECTRICITY	(32) 14.11.2013
(72) BARKER, William M. CLARK, Thomas E.	(73) GE Aviation Systems LLC	(33) France
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(22) 22.07.2019	(22) 14.08.2014	(33) Germany
(54) METHOD OF REMOVING BEARING COMPARTMENT	(54) GAS TURBINE ENGINE HAVING ENERGY DISSIPATING GAP AND CONTAINMENT LAYER	Germany
(73) Raytheon Technologies Corporation	(73) Raytheon Technologies Corporation	(51) F01L 9/02
(72) CABELLO, Brian	(72) GARCIA, Igor, S.	F01L 9/04
BOOTH, Brittany Ann	LIU, Shu	F02B 21/00
(31) 201816045376	MAYER, Robert, Russell	F02B 21/02
(32) 25.07.2018	BAKER, Eric	F02B 33/44
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(51) F01D 25/16	(54) DRIVE ASSEMBLY FOR A GAS TURBINE ENGINE	F02B 75/04
F16C 19/26	(73) Hamilton Sundstrand Corporation	F16C 3/14
F16C 27/04	(72) SLAYTER, Matthew Allen	F16C 9/02
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(54) AXIALLY SPACED RESTRICTED DAMPER	F22B 35/10	(73) PSA Automobiles SA
(73) Raytheon Technologies Corporation	F22B 35/14	Gomecsys B.V.
(72) VON BERG, Kaleb	(11) EP3583355	(72) DE GOOIJER, Lambertus Hendrick
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(32) 20.07.2018	(47) 19.05.2021	WAGENVOORT, Willem-Constant
(33) United States of America	(87) EP2018056199	BERGER, Julien
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F01D 25/20	(22) 13.03.2018	FUIN, Matthieu
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F02C 7/06	(73) Siemens Energy Global GmbH & Co. KG	(32) 28.04.2015
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(51) F01N 3/08 F01N 3/10 F01N 3/20 F01N 3/24 F01N 3/28 F01N 9/00 F01N 11/00 F02D 41/04 F01N 13/00	(72) SATO, Masaaki (31) 2019084703 (32) 25.04.2019 (33) Japan	(31) 201562249874 P 201615338340 (32) 02.11.2015 29.10.2016 (33) United States of America United States of America
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(72) SATO Ryosuke IWACHIDO Kinichi (31) 2016246768 (32) 20.12.2016 (33) Japan	(72) SYKES, Martin KNOWLES, Peter (31) 201710796 (32) 05.07.2017 (33) United Kingdom	(51) F02B 75/04 F16C 7/06 (11) EP3514348 (21) EP19150728.4 (47) 19.05.2021 (22) 08.01.2019
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(11) EP3650667 (21) EP19207953.1 (47) 19.05.2021 (22) 08.11.2019	(54) VEHICLE WITH EXHAUST GAS LINE ASSEMBLY (73) CLAAS Tractor S.A.S. (72) Jacquemart, Thomas Durepaire, Mathias	(31) 102018101440 102018123426 (32) 23.01.2018 24.09.2018 (33) Germany
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(72) Kinnaird, Edward Rohde, John (31) 201816184534 (32) 08.11.2018 (33) United States of America	(51) F02B 19/10 F02B 19/12 F02B 23/08 F02F 1/24 F02M 57/06 F02M 61/14	
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(47) 19.05.2021	(31) 201261592918 P	(54) GAS TURBINE ENGINE WITH A DUAL TOWERSHAFT ACCESSORY GEARBOX AND METHOD OF OPERATION
(87) US2011068125	201213366445	(73) Raytheon Technologies Corporation
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(22) 30.12.2011	06.02.2012	DUONG, Hung
(54) ACCESSORY DRIVE MOTOR CONFIGURATION	(33) United States of America	ZIMMITTI, Jonathan F.
(73) Cummins Inc.	United States of America	SHERIDAN, William G.
(72) ANDREA, Morgan, Mackenzie	(51) F02C 6/08	McCUNE, Michael E.
BARNES, David, M.	F02C 7/18	MERRY, Brian
SUJAN, Vivek, Anand	F02C 9/18	(31) 201715410113
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(54) SEXTUPLE ASYMMETRICALLY CONSTRUCTED BUTTERFLY VALVE	(54) MODULE FOR A KIT FOR DISTRIBUTING AND REGULATING A PRESSURISED GAS, ASSOCIATED DISTRIBUTION AND REGULATION KIT AND SYSTEM	(54) SEALING SLEEVE FOR A PIPE ASSEMBLY
(73) Gaida, Gregor	(73) Alcrys Fluid-Control & Services	(73) gabo Systemtechnik GmbH
(72) Gaida, Gregor	(72) HEYRAL, Olivier	(72) Lederer, Roland
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(73) Robert Bosch GmbH	F21V 15/01	SCHLOEDER, Ulrike
(72) STAEUBLI, Tom	F21V 31/00	VOGT, Henning
WERNER, Uwe	F21W 111/02	(31) 102013200925
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(33) France	HEADLIGHT, IN PARTICULAR FOR A	A LIGHTING UNIT AND METHOD FOR
(51) F21V 7/00	MOTOR VEHICLE, INCLUDING SAID	ACTUATING A LIGHTING UNIT
F21V 7/05	DEVICE	(73) BSH Hausgeräte GmbH
F21V 7/09	(73) Valeo Vision Belgique	(72) Abele, Dominik
G02B 19/00	(72) MALIAR, Rémi	Hörter, Simon
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F21K 9/20	(22) 24.11.2017	F23R 3/46
F21Y 115/10	(54) DETECTION/IGNITION SPARK PLUG FOR BOILERS AND METHOD FOR PRODUCING SUCH A SPARK PLUG	(11) EP3246631
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(33) Korea (Republic)	EJIRI, Makoto	F24C 7/08
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(73) Blasch Precision Ceramics, Inc.	(73) Raytheon Technologies Corporation	KATSUBE Hiroyuki
(72) RUSSELL, William, P.	(72) EASTWOOD, Jonathan Jeffery	YOTA Masato
QUINTILIANI, Joseph, D.	ZACCHERA, Kevin	YAMASHITA Seichi
BOLEBRUCH, Jeffrey, J.	HAZEL, Brian T.	(31) 2017033862
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FRANCH, Alessandro	(51) F23R 3/28	NEGRETTE, Peter
PIROVANO, Giancarlo	F23R 3/48	(51) F24C 7/02
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(22) 15.09.2016	(33) Japan	(33) Japan
(54) MICROWAVE OVEN GRILLING	(51) F24D 19/00	(51) F24F 1/26
APPARATUS WITH SCREEN	F24D 19/10	F24F 1/32
(73) Whirlpool Corporation	F24H 1/00	F24F 1/34
(72) GARCIA-POLANCO, Nelson R.	F24H 4/02	F24F 13/20
DOYLE, John P.	F28F 19/00	F24F 1/00
(51) F24C 7/06	F28G 7/00	F24F 1/0007
(11) EP3653936	(11) EP3260794	(11) EP3361172
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(22) 16.11.2018	(87) JP2015054823	(87) JP2015078661
(54) AN OVEN AND METHOD OF	25.08.2016	13.04.2017
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(73) Vestel Elektronik Sanayi ve Ticaret A.S.	(54) HEAT EXCHANGING DEVICE AND	(54) INDOOR UNIT AND AIR CONDITIONER
(72) BILGIÇ, Seren	HEAT PUMP WATER HEATER	(73) Mitsubishi Electric Corporation
TURGUT, Hüseyin İlker	(73) Mitsubishi Electric Corporation	(72) KOMATSU, Takahiro
(51) F24C 7/08	(72) SAKAMOTO, Nobuhide	TAKISHITA, Takaaki
F24C 14/02	MIYA, Kazuhiro	FURUTA, Tatsuo
F24C 15/00	SAITO, Tadashi	MATSUNAGA, Naoya
F24C 15/20	(51) F24D 19/04	(51) F24F 1/56
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(87) KR2017005853	(47) 19.05.2021	(21) EP19209626.1
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(22) 05.06.2017	(54) THERMAL BODY FOR THERMAL	(22) 18.11.2019
(54) OVEN	THRESHOLD OR DOOR-BOTTOM	(54) REINFORCED HEAT PUMP HOUSING
(73) Samsung Electronics Co., Ltd.	DEVICE AND THERMAL THRESHOLD	(73) Vaillant GmbH
(72) LEE, Dong-ho	OR DOOR-BOTTOM DEVICE	(72) Ceylan, Özgür
(31) 20160069696	PROVIDED WITH AT LEAST ONE	Breckerfeld, Wolfgang
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G06F 3/0481	FOR TIME OF FLIGHT RANGE	(73) SUPERSONIC IMAGINE
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G06F 3/0487	(73) Intel Corporation	BRUCE, Matthew, Frederic
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SUNG, Kieun	(51) H01M 4/02	TSUCHIDA, Kazuya
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H01M 4/62	Tanimoto, Yuya	H01M 12/08
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	(47) 19.05.2021	AMANCHUKWU, Chibueze Vincent
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(33) United States of America	thyssenkrupp AG	(73) Stella Chemifa Corporation
Korea (Republic)	(72) Walter, Andreas	(72) SAKAGUCHI Toshitaka
(51) H01M 4/86	(31) 100673	KON Sojiro
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(33) Germany	GÖTZ, Michael	(73) LG Chem, Ltd.
(51) H01M 4/88	KAISER, Wadim	(72) CHI, Ho-June
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(22) 15.01.2019	H01M 8/1018	(51) H01M 10/44
(54) MANUFACTURING METHOD FOR MEMBRANE ELECTRODE ASSEMBLY, AND STACKED BODY	H01M 8/1051	H01M 10/48
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(72) KIM, Ji Hun	H01M 8/1069	H02J 7/10
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YANG, Jae Choon	(21) EP16868761.4	(21) EP17869307.3
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H01M 8/0258	(54) POLYMER ELECTROLYTE MEMBRANE, MEMBRANE ELECTRODE ASSEMBLY COMPRISING SAME, AND FUEL CELL COMPRISING MEMBRANE ELECTRODE ASSEMBLY	(54) CONTROL DEVICE, CONTROL METHOD, AND PROGRAM
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(54) BIPOLAR PLATE DESIGN WITH NON-CONDUCTIVE PICTURE FRAME	MIN, Minkyu	(33) Japan
(73) Lockheed Martin Energy, LLC	KIM, Ji Hun	(51) H01M 10/44
(72) WARRINGTON, Curtis	PARK, Curie	H02J 7/00
GREBENYUK, Oleg	(31) 20150166726	H02J 13/00
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(54) CHARGING APPARATUS	(73) Audi AG	TEMPERATURE
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(32) 14.07.2011	(32) 21.09.2018	HA, Jong-Soo
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(22) 04.07.2017	(21) EP18853825.0	AND TRANSMISSION ANTENNA
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(32) 05.07.2016	STRUCTURE BREAKING CONNECTOR	IVANOV, Ivan
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(73) Samsung SDI Co., Ltd.	(32) 31.08.2017	(72) ZHANG, Xuefei
(72) Golubkov, Andrej	(33) Korea (Republic)	CHEN, Yibo
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(54) MECHANICAL DOOR INTERLOCK	(32) 28.08.2014	H02J 7/00
DEVICE	(33) United States of America	H02J 7/14
(73) Eaton Intelligent Power Limited	(51) H02H 3/33	H02M 1/00
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(11) EP3454441	(54) METHOD AND APPARATUS FOR	(22) 28.10.2016
(21) EP18192930.8	SUPERVISORY CIRCUIT FOR	(54) DEVICE FOR ACTIVE CONTROL
(47) 19.05.2021	GROUND FAULT CIRCUIT INTERRUPT	DEPENDING ON A LAW, FOR AN
(22) 06.09.2018	DEVICE	ELECTRIC CIRCUIT WITH A DC/DC
(54) ELECTRICAL JUNCTION BOX	(73) Siemens Industry, Inc.	CONVERTER AND ELECTRICAL
(73) Günther Spelsberg GmbH & Co. KG	(72) KINSEL, Hugh T.	ENERGY STORAGE SYSTEM
(72) Bierbaum, Volker	ENDOZO, Joselito	MOUNTED IN SERIES
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G01R 31/50	H02H 7/125	H02J 3/14
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(54) METHOD AND SYSTEM FOR	06.07.2017	(54) BUILDING ENERGY OPTIMIZATION
DETECTING AN ARC FAULT IN A	(22) 23.06.2016	SYSTEM WITH ECONOMIC LOAD
POWER CIRCUIT	(54) MODULAR MULTI-LEVEL CONVERTER	DEMAND RESPONSE (ELDR)
(73) SMA Solar Technology AG	AND DC FAILURE BLOCKING METHOD	OPTIMIZATION
(72) BEHRENDT, Holger	THEREFOR	(73) Johnson Controls Technology Company
KRATOCHVIL, Marcel	(73) Hyosung Heavy Industries Corporation	(72) EIBSAT, Mohammad N.
HOPF, Markus	Kim, Hee Jin	WENZEL, Michael J.
BIEKIEK, Sebastian	Hur, Kyeon	(31) 201715616616
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H02H 7/18	KANG, Jae Sik	H02J 3/32
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(11) EP2874258	NA, Jong Seo	H02J 3/46
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(47) 19.05.2021	(32) 30.12.2015	H02J 7/00
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(54) Electronic circuit arrangement	(51) H02H 7/26	H02M 7/48
(73) ecom instruments GmbH	H02J 1/10	(11) EP3565080

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(47) 19.05.2021	(22) 21.10.2016	(22) 11.04.2016
(87) JP2017047052	(54) CONTROL OF DC-TO-AC MODULAR	(54) BATTERY FUEL GAUGES SHARING
05.07.2018	MULTILEVEL CONVERTER	CURRENT INFORMATION BETWEEN
(22) 27.12.2017	(73) ABB Power Grids Switzerland AG	MULTIPLE BATTERY CHARGERS
(54) COMBINED CYCLE POWER	(72) VASILADIOTIS, Michail	(73) Qualcomm Incorporated
GENERATION SYSTEM	CHRISTE, Alexandre	(72) HAWAWINI, Shadi
(73) Kawasaki Jukogyo Kabushiki Kaisha	GEYER, Tobias	SPORCK, Christian
(72) SUGIMOTO, Kazushige	(51) H02J 3/22	BARUZZI, Paolo
SAKIMOTO, Kenichi	H02J 13/00	(31) 201514698834
HIRAI, Tomoyuki	(11) EP3667855	(32) 28.04.2015
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HIRASE, Yuko	(22) 28.11.2019	H02J 7/34
ABE, Kensho	(54) FAST POST-FAULT PHASE	H04M 1/02
NORO, Osamu	REACTANCE BALANCING	(11) EP3648285
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H02J 9/06	KHAN, Adeel Ahmad	DEVICE AND CHARGING METHOD
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(73) ABB Schweiz AG	H02J 7/02	(22) 20.11.2019
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H02J 3/32	receiving apparatus, non-contact electric	MATSUURA, Kohei
H02J 3/38	power feeding method, non-contact	MATSUMOTO, Junichi
H02J 3/40	electric power receiving method and non-	TOMURA, Shuji
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(11) EP3167527	(73) Sony Corporation	YANAGIZAWA, Naoki
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A PLURALITY OF ELECTRICAL	(47) 19.05.2021	(51) H02J 7/34
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ARE OPERATED IN A NETWORK AS A	(54) ENERGY SOURCE MONITORING AND	H04B 7/185
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(72) STORACE, Stefan	(73) Techtronic Industries Company Limited	H04W 84/06
RUMMENIE, Martin	(72) HORNICK, George Michael	H04W 88/06
KÜHNER, Sebastian	MINALGA, Philip F.	H04M 1/725
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COHEN, Daniel C.	(72) WANG, Dong	WIRES PER PHASE SET AND
PENDLETON, Noah L.	MA, Shengjun	INCREASED FILL FACTOR AND
HANNON, Sarah Jane	LIU, Chengqian	CORRESPONDING MANUFACTURING
HSIA, George	ZHAO, Xiang	METHOD
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(72) Jordan, Christopher Mark	(22) 15.03.2013	ELECTRIC MACHINE
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BIDIRECTIONAL SWITCHING POWER	DIRECT CURRENT POWER	MILL, Oliver
SUPPLY	TRANSMISSION AND CONVERTER	JASZCZAK, Krzysztof
(73) FDK Corporation	VALVE COMPONENT THEREOF	(31) 10007849
(72) Ishikawa, Miyabi	(73) XJ Electric Co., Ltd	102010043492
Fukui, Norio	XJ Group Corporation	(32) 28.07.2010
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DRAIN VOLTAGE OVERSHOOT IN	(31) 201611016158	(54) ELECTRIC MOTOR DRIVE AND
DISCONTINUOUS CONDUCTION	(32) 18.11.2016	METHOD FOR OPERATING SAME
MODE	(33) China	(73) VOLKSWAGEN
(73) Infineon Technologies Austria AG	(51) H02M 7/00	AKTIENGESELLSCHAFT
(72) ESCUDERO RODRIGUEZ, Manuel	H05K 7/14	(72) Rodin, Alexander
KUTSCHAK, Matteo-Alessandro	H05K 7/20	Goering, Lars
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CONVERTER	GIBBS, Irving	F24S 10/00
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ENERGY IN AN ADJUSTABLE SPEED	(32) 19.10.2017	SOLAR CELLS AND OPERATION
DRIVE	(33) Luxembourg	METHOD THEREOF
(73) Eaton Intelligent Power Limited	(51) H02P 9/14	(73) Vilniaus Gedimino technikos universitetas
(72) MO, Yaojin	H02P 9/30	(72) MAKARSKAS, Vytautas
LI, Huaqiang	H02P 6/08	KRISCIUNAS, Martynas
YU, Anbo	H02P 29/00	ROTMANAS, Algimantas
LI, Dawei	H02P 29/02	KILIKEVICIUS, Arturas
XIE, Jingfeng	B60L 50/10	JUREVICIUS, Mindaugas
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EP3

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PROCESSING A BOOK-SHAPED	Trhlik, Jiri	G01D 9/00
IDENTITY, VALUABLE OR SECURITY	(74) ir. A. Blokland c.s.	G01D 11/30
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USING THE WHEEL	(72) KHOO, Lin-Zhuang	BOZSVARI, Gabor
(73) Softbank Robotics Europe	MAHABIR, Ron	SZALAY, Zsolt
(72) CLERC, Vincent	SIEW, Terence	CSERHALMI, György
ROUX, Philippe	NOMA, Renaldo	BAKSA, Istvan
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B61L 7/10	A PALLET, AND MOULDING DEVICE	SYSTEM OR AUTOWALK SYSTEM
B61L 11/08	FOR CARRYING OUT SAID METHOD	(73) KONE Corporation
B61L 19/06	(73) MSK - Verpackungs-Systeme GmbH	(72) KOIVISTO, Ari
B61L 21/04	(74) ir. H.J.G. Lips c.s.	VUORENALA, Jere
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A RAILWAY INSTALLATION	GOODS	LANDING TARGET
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(72) SCHALLENBERG, Andreas	(72) RICHTER, Günter	(72) HOLMBERG, Björn
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RIGLEY, Jack	Dr. Stach, Lothar	C22B 7/00
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(72) PEMEN, August Johannes Marie	(11) EP2751048	(73) Lonza Solutions AG
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(73) fischerwerke GmbH & Co. KG	GIDDIS, Clive Robert	MALEATE"
(72) Grün, Jürgen	MURRAY, James Henry	(73) ZCL Chemicals Ltd.
Vogel, Martin	SKAE, Clare Mary	(72) AGARWAL NAND LAL
Schmidt, Clemens	LLOYD, Gary	PATEL TRUSHAR DAHYABHAI
Schlenk, Christian	(74) drs. C.M.A. Quintelier	LORIYA PINTU BALUBHAI
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E04F 13/14	C07C 269/06	SYSTEMIC AND NON-SYSTEMIC
G02F 1/15	C07C 271/66	AUTOIMMUNE DISORDERS
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HE, Tao	(51) C08G 18/10	(72) TANIGUCHI Kana
SOMERS, Will	C08K 3/26	KATSUMATA Sho
WANG, Wenge	C08K 5/549	NAKAMURA Junichi
LETENDRE, Leo Joseph	C08L 101/00	KANAZAWA Nobuaki
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(73) Stichting Het Nederlands Kanker	CHINNAPPA, Manjula	(74) ir. H.A. Witmans c.s.
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(72) WANG, Xianglin	H04N 19/593	H04N 19/44
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H04N 21/4402	H04N 21/81	DAS, Saumitra Mohan
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(11) EP3582350	(11) EP3587518	(11) EP3601780
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(11) EP3582616	(11) EP3587659	(11) EP3601875
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(11) EP3605047	(11) EP3615697	(11) EP3647193
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(11) EP3607374	(11) EP3615927	(11) EP3647739
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(11) EP3608138	(11) EP3619082	(11) EP3649712
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(11) EP3608617	(11) EP3622047	(11) EP3655251
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(11) EP3608921	(11) EP3623077	(11) EP3655876
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(11) EP3610064	(11) EP3623652	(11) EP3656251
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(11) EP3611310	(11) EP3625942	(11) EP3664201
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(11) EP3611414	(11) EP3630571	(11) EP3675289
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(11) EP3612611	(11) EP3633533	(11) EP3675369
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(11) EP3612695	(11) EP3633865	(11) EP3679617
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VRB

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

(11) EP1689845
(00) 24.07.2019
(00) Proceedings Interruption: Legal
prevention (Rule 142(1)(b))
(51) B65D 81/24
C12G 1/00
C12H 1/22

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) AltruBio Inc.	E21B 47/18	H04L 29/12
(73) AltruBio Inc.	(00) Assignment	G06F 16/9538
(11) EP1765396	(71) AIRBUS SAS	(00) Change of owner(s) name
(00) 13.04.2021	(73) AIRBUS SAS	
(51) A61K 39/395	(11) 2023971	
C07K 16/28	(00) 13.04.2021	
C12N 15/13	(51) C22F 1/04	
(00) Assignment	B21D 26/02	
(71) AltruBio Inc.	(00) Assignment	
(73) AltruBio Inc.	(71) Godo Kaisha IP Bridge 1	
(11) EP2377890	(73) Godo Kaisha IP Bridge 1	
(00) 13.04.2021	(11) EP3407525	
(51) C07K 16/28	(00) 13.04.2021	
C07K 16/46	(51) H04B 7/26	
C12N 15/13	H04J 11/00	
(00) Assignment	H04L 5/00	
(71) Tempel Innovatie B.V.	H04L 27/26	
(73) Tempel Innovatie B.V.	H04W 72/04	
(11) 2017045	(00) Assignment	
(00) 13.04.2021	(71) AIRBUS SAS	
(51) F26B 5/08	(73) AIRBUS SAS	
F26B 25/00	(11) 2023766	
(00) Assignment	(00) 13.04.2021	
(71) Godo Kaisha IP Bridge 1	(51) B21D 26/02	
(73) Godo Kaisha IP Bridge 1	C22F 1/053	
(11) EP2733875	(00) Assignment	
(00) 13.04.2021	(71) Hitachi Astemo, Ltd.	
(51) H04B 7/26	MAN Truck & Bus AG	
H04J 11/00	(73) Hitachi Astemo, Ltd.	
H04L 5/00	MAN Truck & Bus AG	
H04L 27/26	(11) EP3093170	
(00) Assignment	(00) 13.04.2021	
(71) AIRBUS SAS	(51) B60G 17/0165	
(73) AIRBUS SAS	B60G 17/018	
(11) 2024300	B60G 17/0195	
(00) 13.04.2021	B60G 17/06	
(51) B21D 26/08	B60W 50/00	
B21D 26/10	B60W 30/02	
B21D 26/12	B60W 40/06	
C22C 21/06	(00) Change of owner(s) name	
(00) Assignment	(71) COVIS PHARMA GmbH	
(71) AIRBUS SAS	(73) COVIS PHARMA GmbH	
(73) AIRBUS SAS	(11) EP2785700	
(11) 2023765	(00) 13.04.2021	
(00) 13.04.2021	(51) A61K 31/495	
(51) B21D 26/02	A61P 7/00	
C22F 1/057	C07D 241/04	
(00) Assignment	C07D 295/13	
(71) Sony Corporation	(00) Assignment	
(73) Sony Corporation	(71) P.R.S. Geo Tech Technologies Ltd.	
(11) EP2132919	(73) P.R.S. Geo Tech Technologies Ltd.	
(00) 13.04.2021	(11) EP3134575	
(51) H04M 1/00	(00) 08.02.2021	
H04M 3/46	(51) E01C 3/04	
(00) Assignment	(00) Change of owner(s) name	
(71) QTT A/S	(71) BRIGHT DATA LTD	
(73) QTT A/S	(73) BRIGHT DATA LTD	
(11) EP3117074	(11) EP3472717	
(00) 09.04.2021	(00) 13.04.2021	
(51) E21B 34/10	(51) H04L 12/46	
	H04L 29/08	

TVH

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