



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

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Introduction

Patent Bulletin

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

Official Journal

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

Subscription rates per calendar year:

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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
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Rubriek MED Bevat gegevens betreffende overige mededelingen.	365Heading MED Contains data concerning other communications.	365
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Rubriek UP1 Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	414Heading UP1 Contains data concerning European patents with registered Unitary Effect.	414
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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.**

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(21) 1044265 (22) 21.02.2022	(71) Henan Leef Fertilizer Co., Ltd.	(71) AFPRO Filters B.V.
(54) Method of stem grafting and an apparatus for performing the method	(74) ir. M.B. Plaggenborg	(74) dr. ir. G.J.C. Verdijck c.s.
(71) Gerrit Baars Hendrik Baars	(72) Wenhui Zhang Dan Ru Dandan Mei Yazhen Wan Qinnan Zhang	(72) Yanbin Zhuo (41) 05.09.2023
(72) Gerrit Baars Hendrik Baars	(41) 01.09.2023	(51) B01F 33/00 (21) 2032956 (22) 05.09.2022
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(21) 2032799 (22) 18.08.2022	(54) OUTDOOR SUNSHADE	(71) DISKSTONE Environmental Protection Equipment Ltd.
(54) HYBRID BREEDING METHOD OF TROPICAL NYMPHAEA	(71) LINHAISHI HANFENG LEISURE PRODUCTS CO., LTD.	(74) ir. M.B. Plaggenborg (72) Jianchuan Bi Da Bi
(71) Tropical Crops Genetic Resources Institute Chinese Academy of Tropical Agricultural Sciences	(74) M. Schmid (72) Yuanqiang Gao (31) 202321251747.5 (32) 19.05.2023 (33) China	(31) 202210166769 .5 (32) 23.02.2022 (33) China
(74) dr. T. Wittop Koning PhD (72) Jinhua Chen Guangsui Yang Surong Huang Zhen Shen Ziyu Liu Tianlong Zhu	(51) A61F 5/00 (21) 1044549 (22) 21.02.2023	(51) B01J 23/00 C07C 29/34 (21) 2030993 (22) 17.02.2022
(31) 202210192135.7 (32) 28.02.2022 (33) China	(54) ASSISTIVE DEVICE (71) Jonathan Michaelis (72) Jonathan Michaelis (31) GB2202661.1 (32) 25.02.2022 (33) United Kingdom	(54) CATALYST FOR PREPARING BUTANOL BY ETHANOL COUPLING AND PREPARATION METHOD AND APPLICATION THEREOF (71) Zhejiang Normal University (74) ir. M.B. Plaggenborg (72) Yunjie Ding Jie Li Yuan Tan (41) 01.09.2023
(51) A01K 67/033 A01K 49/00	(51) A61P 35/02 C07K 16/42 C07K 14/725 C07K 16/28	(41) 01.09.2023
(21) 2035672 (22) 24.08.2023	(21) 2030990 (22) 17.02.2022	(51) B60L 58/24 B60K 11/02 B60H 1/02
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(71) Suzhou Academy of Agricultural Sciences Suzhou Vocational and Technical College	(71) Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)	(54) An integrated thermal pump air conditioning and thermal management system, and its control method
(74) dr. A.V. Huygens (72) Ya'nan Zhang Jinbu Li Yueying Wang Chaowei Wang Liang Gao Xingzhou Liu Maozhu Yin	(74) dr. A. Krebs (72) Mirjam H.M. Heemskerk J.H. Frederik Falkenburg (41) 01.09.2023	(71) Jiangxi Xindian Automobile Climate System Co., Ltd. (74) ir. W.J.J.M. Kempes (72) Wen Hong Wei Zhi Hui Zhang
(31) 202211027267.0 (32) 25.08.2022 (33) China	(51) A63G 27/00 (21) 2034176 (22) 17.02.2023	(31) 2023108379392 (32) 24.07.2023 (33) China
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(21) 2030995 (22) 17.02.2022	(31) 202022101067.6 (32) 24.02.2022 (33) Germany	(54) Speed-regulating electric rack rail car
	(51) B01D 46/121	

(71) Liaoning Vyue Group Machinery Manufacture Co., Ltd.	Rick Jacobus Lourens Mijsbergh (41) 05.09.2023	Jian Wang Hao Wan
(74) ir. W.J.J.M. Kempes	(51) C01D 15/08	Yang Li
(72) Chaoyi Lu	(21) 2031043	Xinghua Miao
Yubo Liu	(22) 23.02.2022	Linru Wang
Jinlin Li	(54) LITHIUM EXTRACTION METHOD FOR LOW-GRADE DEEP BRINE	Feng Liu
Xiaoliang Cao	(71) Qinghai Geological and Mineral Testing Center (Qinghai Province Eco- environmental Geology Inspection and Testing Center)	Zhan Ding
Wenyong Cao	(31) 202210195406 .4	Xiangqian Song
Jian Wang	(32) 01.03.2022	(33) China
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Muxiao Zhang	(74) ir. H.Th. van den Heuvel c.s.	
Fengkui Cao	(72) Sebastiaan Petrus Augustinus Maria Smulders	
Xiaoyu Chen	Koenraad Henricus Antonius Maria Smulders	
(31) 2023106953397	Maykel Josephus Godefridus Maas	
(32) 13.06.2023	(41) 05.09.2023	
(33) China	(51) E21B 41/00	
(51) B63B 27/10	G09B 25/00	
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B63B 21/50	Hongming He	
B63B 35/00	Bo Li	
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(21) 2031010	Chunhua Liu	
(22) 18.02.2022	(41) 01.09.2023	
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(71) Heerema Marine Contractors Nederland SE	F03D 9/28	
(74) ir. J.C. Volmer c.s.	A01G 15/00	
(72) Erik Franciscus Hubertus Bögels	(21) 2031011	
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(41) 05.09.2023	(71) Qimarox Patenten B.V.	
(51) B65B 1/28	(74) dr. ir. G.J.C. Verdijck c.s.	
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(21) 2031015	(51) F21V 3/06	
(22) 21.02.2022	F21Y 103/10	
(54) Modular insulating system	F21V 15/01	
(71) TPI-Polytechniek B.V.	F21Y 115/10	
(74) ir. H.Th. van den Heuvel c.s.	F21S 4/22	
(72) Peter Willi Gerrit Markert	(21) 2030986	
Roy de Wit	(22) 17.02.2022	
(51) B65B 65/06	(54) Houder voor een lichtbron	
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(21) 2031020	(72) Pierre Graat	
(22) 21.02.2022	Rik Theodorus Wilhelmus Gerritzen	
(54) Stringbag Packing Method and Stringbag Packing Apparatus	(41) 05.09.2023	
(71) BluePrint Holding B.V.		
(74) dr. R.C. van Duijvenbode c.s.		
(72) Luuk Hermen Hooijer		
Antonius Johannes van Rootselaar		
Paul Breur		
Alexander van den Broek		

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(21) 2031016	(74) drs. P.A. van Essen c.s.	- Antoni van Leeuwenhoek Ziekenhuis
(22) 21.02.2022	(72) Stephen James Picken	(74) dr. R.C. van Duijvenbode c.s.
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(71) Swedish Match Lighters B.V.	(51) G01N 30/56	Jan-Jakob Sonke
(74) ir. A. Blokland c.s.	(21) 2030851	Nikita Moriakov
(72) Jan de Jonge	(22) 08.02.2022	(41) 01.09.2023
(41) 05.09.2023	(54) Method of packing a chromatography column system.	(51) G06V 20/58
(51) G01J 1/02	(71) JEMP Holding bv	G08G 1/04
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(21) 2030982	(72) Marcellus Johannes Hubertus Raedts	(21) 2031012
(22) 17.02.2022	(41) 05.09.2023	(22) 18.02.2022
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(71) Technische Universiteit Delft	(21) 2030834	(71) Schröder Iluminação SA
(74) drs. P.A. van Essen c.s.	(22) 07.02.2022	(74) dr. ir. G.J.C. Verdijck c.s.
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Hesan Ziar	(71) Inner Mongolia Agricultural University	Lourenço Bandeira
Olindo Isabella	(74) ir. W.J.J.M. Kempes	(41) 05.09.2023
Victor Arturo Martinez Lopez	(72) Ligu Jia	(51) G07D 7/20
(41) 01.09.2023	Nana Wang	(21) 2031001
(51) G01M 13/00	Kun Liu	(22) 17.02.2022
(21) 2033614	Li Li	(54) METHOD FOR IDENTIFYING AUTHENTICITY OF BANKNOTE
(22) 25.11.2022	Yonglin Qin	(71) Minzu University of China
(54) DEVICE FOR TESTING MECHANICAL PROPERTY OF DRILL ROD AND TEST METHOD THEREOF	Jing Yu	(74) ir. M.B. Plaggenborg
(71) Shandong University of Science and Technology	Xiaohua Shi	(72) Zhenwei Zhang
(74) ir. W.J.J.M. Kempes	Mingshou Fan	Yuping Yang
(72) Shuyue Wang	(51) G02B 30/56	(41) 01.09.2023
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Xiantang Zhang	(71) Dr. Mrunal Gawade	(54) DUSTPROOF MICRO SWITCH
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Hongli Wang	(41) 05.09.2023	(74) ir. F.A. Geurts c.s.
(31) 202210179478.X	(51) G06T 9/00	(72) Shenglong Ni
(32) 25.02.2022	G01C 21/00	(31) 202210176373.9
(33) China	(21) 2031097	(32) 25.02.2022
(51) G01N 21/71	(22) 28.02.2022	(33) China
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(21) 2032037	(71) NavInfo Europe B.V.	(21) 2030987
(22) 31.05.2022	(74) mr. ir. J. van Breda c.s.	(22) 17.02.2022
(54) METHOD AND EQUIPMENT FOR DELIVERING DYNAMIC DEFORMATION BEAM SPOTS BY LA-ICP-MS	(72) Arnav Varma	(54) MgO NANOWIRE RRAM WITH LOW LEAKAGE CURRENT AND LARGE RESISTANCE RATIO AND FABRICATION METHOD THEREOF
(71) Institute of Geochemistry, Chinese Academy of Sciences	Elahe Arani	(71) Jimei University
(74) ir. M.B. Plaggenborg	Bahram Zonooz	(74) drs. W.H.P. Derks
(72) Jianzhong Liu	Ahmed Badar	(72) Haojian Zheng
Li Zhang	Haris Iqbal	Tiejun Li
Yi Yang	Terence Brouns	Yunlong Gao
Rui Li	Shruthi Gowda	Jinyan Pan
Zhihui Dai	(41) 05.09.2023	Huixiang Huang
Yang Li	(31) 17/674,596	Xiangyujie Lin
Xiaojia Zeng	(32) 17.02.2022	(51) H04B 7/10
Yaya Gu	(33) United States of America	(21) 2031007
Jinzhu Ji	(51) G06T 11/00	(22) 18.02.2022
(31) 202210184932.0	(21) 2030984	(54) CIRCULARLY POLARIZED SIGNAL VIA THREE LINEARLY POLARIZED ANTENNAS
(32) 28.02.2022	(22) 17.02.2022	(71) Microsoft Technology Licensing, LLC
(33) China	(54) Learned invertible reconstruction	(74) ir. J.C. Volmer c.s.
(51) G01N 25/48		(72) Marshall Joseph Katz
(21) 2031004		(41) 05.09.2023
(22) 18.02.2022		
(54) Novel method for analyzing DSC data		

- (51) H05G 2/00
G03F 7/20
 - (21) 2034126
 - (22) 10.02.2023
 - (54) TARGET SUPPLY SYSTEM, EXTREME
ULTRAVIOLET LIGHT GENERATION
APPARATUS, AND ELECTRONIC
DEVICE MANUFACTURING METHOD
 - (71) Gigaphoton Inc.
 - (74) ir. H.Th. van den Heuvel c.s.
 - (72) Nozomu Oue
Yutaka Shiraishi
 - (31) 2022-030642
 - (32) 01.03.2022
 - (33) Japan
-

NP2

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A01G 2/32	(73) Zhejiang Normal University	B65B 5/06
A01G 2/38	(72) Yunjie Ding	B65B 63/04
(11) 1044265	Jie Li	(11) 2031020
(47) 05.09.2023	Yuan Tan	(47) 05.09.2023
(22) 21.02.2022	(74) ir. M.B. Plaggenborg	(22) 21.02.2022
(54) Method of stem grafting and an apparatus for performing the method	(51) B09C 1/00	(54) Stringbag Packing Method and Stringbag Packing Apparatus
(73) Gerrit Baars	C09K 17/40	(73) BluePrint Holding B.V.
Hendrik Baars	(11) 2032059	(72) Paul Breur
(72) Gerrit Baars	(47) 06.09.2023	Antonius Johannes van Rootselaar
Hendrik Baars	(22) 02.06.2022	Luuk Hermen Hooijer
(51) A01N 25/04	(54) Modified Material of Biochar for Soil Remediation and its Preparation Method	Alexander van den Broek
A01N 25/28	(73) SOUTHWEST FORESTRY UNIVERSITY	Rick Jacobus Lourens Mijsbergh
A01N 65/44	(72) Ping Xiang	dr. R.C. van Duijvenbode c.s.
(11) 2030995	Jing Gong	(51) C02F 1/28
(47) 01.09.2023	Yumei Xie	B01J 20/02
(22) 17.02.2022	Mengyan Zhang	B01J 20/32
(54) PLANT-DERIVED MICROCAPSULE SUSPENSION PREPARATION AND PREPARATION METHOD THEREOF	Dapeng Zong	(11) 2030657
(73) Henan Leef Fertilizer Co., Ltd.	(74) dr. T. Wittop Koning PhD	(47) 06.09.2023
(72) Wenhui Zhang	(31) 202111216584.2	(22) 23.01.2022
Dan Ru	(32) 19.10.2021	(54) Adsorbent, preparation method and application thereof
Dandan Mei	(33) China	(73) Hebei University of Science and Technology
Yazhen Wan	(51) B63B 27/10	Qiaoxi Sewage Treatment Plant of Shijiazhuang Sewage Treatment Co., Ltd
Qinnan Zhang	B63B 35/44	(72) Yulong Wang
(74) ir. M.B. Plaggenborg	B66C 23/18	Ya Sheng
(51) A61P 35/02	B66C 23/52	Yanfang Liu
C07K 16/42	B66C 1/10	Wei Gao
C07K 14/725	B66C 23/00	Tao Li
C07K 16/28	B63B 77/10	Linsong Shi
(11) 2030990	B63B 21/50	Rui Liu
(47) 01.09.2023	B63B 35/00	Zaixing Li
(22) 17.02.2022	B63B 1/10	Wei Li
(54) T CELL RECEPTORS DIRECTED AGAINST JCHAIN AND USES THEREOF	F03D 13/25	Na Lu
(73) Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)	(11) 2031010	Ce Bian
(72) Mirjam H.M. Heemskerk	(47) 05.09.2023	(74) dr. T. Wittop Koning PhD
J.H. Frederik Falkenburg	(22) 18.02.2022	(31) 202111084493.8
(74) dr. A. Krebs	(54) A METHOD AND SYSTEM OF INSTALLING A FLOATING FOUNDATION, ASSEMBLY OF FLOATING FOUNDATION AND BALLASTING FRAME, AND BALLASTING FRAME	(32) 16.09.2021
(51) B01D 46/121	(73) Heerema Marine Contractors Nederland SE	(33) China
(11) 2031675	(72) Paul Antonius Alphonsus Geene	(51) C10B 57/10
(47) 05.09.2023	Benno Poppelaars	C10B 53/00
(22) 22.04.2022	Erik Franciscus Hubertus Bögels	(11) 2031021
(54) V-BANK FILTER	(74) ir. J.C. Volmer c.s.	(47) 05.09.2023
(73) AFPRO Filters B.V.	(51) B65B 1/28	(22) 21.02.2022
(72) Yanbin Zhuo	B65G 21/08	(54) Laboratory gram-scale pyrolysis reactor
(74) dr. ir. G.J.C. Verdijck c.s.	(11) 2031015	(73) Rijksuniversiteit Groningen
(51) B01J 23/00	(47) 05.09.2023	(72) Songbo He
C07C 29/34	(22) 21.02.2022	Hero Jan Heeres
(11) 2030993	(54) Modular insulating system	Jessi Osorio Velasco
(47) 01.09.2023	(73) TPI-Polytechniek B.V.	(74) ir. J.C. Volmer c.s.
(22) 17.02.2022	(72) Roy de Wit	(51) E04H 13/00
(54) CATALYST FOR PREPARING BUTANOL BY ETHANOL COUPLING AND	Peter Willi Gerrit Markert	(11) 2031023
	(74) ir. H.Th. van den Heuvel c.s.	(47) 05.09.2023
		(22) 21.02.2022
		(54) Cremated remains remembrance system, and method for allowing people to remember cremated persons or animals

- (73) Attenium I.P. B.V.
(72) Sebastiaan Petrus Augustinus Maria Smulders
Koenraad Henricus Antonius Maria Smulders
Maykel Josephus Godefridus Maas
(74) ir. H.Th. van den Heuvel c.s.
(51) E21B 41/00
G09B 25/00
(11) 2031000
(47) 01.09.2023
(22) 17.02.2022
(54) TEMPERATURE REGULATION HIGH-PRESSURE WATER SUPPLY SYSTEM IN THREE-DIMENSIONAL SIMULATED TEST FOR REDUCED-PRESSURE PILOT PRODUCTION OF DEEP-WATER COMBUSTIBLE ICE
(73) Qingdao University of Technology
(72) Shousen Zhang
Hongming He
Bo Li
Xinfu Liu
Guodong Wang
Chunhua Liu
(74) ir. M.B. Plaggenborg
(51) F03D 13/25
F03D 9/28
A01G 15/00
(11) 2031011
(47) 05.09.2023
(22) 18.02.2022
(54) Wind turbine and a wind park comprising such a wind turbine
(73) Qimarox Patenten B.V.
(72) Pieter Gerrit Hannessen
(74) dr. ir. G.J.C. Verdijck c.s.
(51) F21V 3/06
F21Y 103/10
F21V 15/01
F21Y 115/10
F21S 4/22
(11) 2030986
(47) 05.09.2023
(22) 17.02.2022
(54) Houder voor een lichtbron
(73) Meldon Plastics B.V.
(72) Pierre Graat
Rik Theodorus Wilhelmus Gerritzen
(74) drs. A.A. Jilderda
(51) F23Q 2/16
(11) 2031016
(47) 05.09.2023
(22) 21.02.2022
(54) A child resistant gas lighter and a method of manufacturing an element of the child resistant gas lighter
(73) Swedish Match Lighters B.V.
(72) Jan de Jonge
(74) ir. A. Blokland c.s.
(51) G01J 1/02
G01J 1/42
(11) 2030982
(47) 01.09.2023
(22) 17.02.2022
(54) Casing for irradiance sensors
(73) Technische Universiteit Delft
- (72) Ana Laura Romero Olvera
Hesan Ziar
Olindo Isabella
Victor Arturo Martinez Lopez
(74) drs. P.A. van Essen c.s.
(51) G01N 25/48
(11) 2031004
(47) 05.09.2023
(22) 18.02.2022
(54) Novel method for analyzing DSC data
(73) Technische Universiteit Delft
(72) Stephen James Picken
Elmira Ghanbari
(74) drs. P.A. van Essen c.s.
(51) G01N 30/56
(11) 2030851
(47) 05.09.2023
(22) 08.02.2022
(54) Method of packing a chromatography column system.
(73) JEMP Holding bv
(72) Marcellus Johannes Hubertus Raedts
(74) ir. J.H.W. Assendelft
(51) G01N 33/48
(11) 2034552
(47) 01.09.2023
(22) 12.04.2023
(54) RAPID METHOD FOR DETECTING MULTI-PESTICIDE RESIDUES IN PANAX NOTOGINSENG
(73) Technical Center of Huangpu Customs
Technical Center of Kunming Customs
(72) Liping Chen
Xiangling Hu
Yunfei Li
Gengchao Chen
Wei Zhang
Yong Zhang
Sichao Wu
Ying Wang
(74) ir. W.J.J.M. Kempes
(31) 202211569684.8
(32) 08.12.2022
(33) China
(51) G02B 30/56
(11) 1044264
(47) 05.09.2023
(22) 17.02.2022
(54) Portable tabletop 3d media projection holographic display device
(73) Dr. Mrunal Gawade
(72) Dr. Mrunal Gawade
(51) G06Q 10/04
G06Q 50/06
G06N 20/10
H02S 10/00
(11) 2033884
(47) 06.09.2023
(22) 30.12.2022
(54) A Photovoltaic Power Prediction Method, System and Medium
(73) Gansu Tongxing Intelligent Technology Development CO., LTD.
State Grid Gansu Electric Power Company
(72) Zifen Han
Dingmei Wang
- Yuanfeng Zhang
Peng Zhang
Xu Zhang
Chang'an He
Jianhua Sun
Jiayu Fu
Yan Feng
Lu Wang
Jian Sun
Taibei Guo
(74) dr. A.V. Huygens
(51) G06Q 50/06
G06Q 10/04
G01W 1/10
G06Q 30/0601
(11) 2033882
(47) 06.09.2023
(22) 30.12.2022
(54) Comprehensive Evaluation Method, System and Medium for Multi-source New Energy Power Prediction
(73) State Grid Gansu Electric Power Company
Gansu Tongxing Intelligent Technology Development CO., LTD.
(72) Xu Zhang
Jiayu Fu
Yanqiu Ji
Yuan Zhang
Qingquan Lv
Chang'an He
Yuanfeng Zhang
Jianhua Sun
Diangang Hu
Taibei Guo
Peijun Gou
Lu Wang
(74) dr. A.V. Huygens
(51) G06T 9/00
G01C 21/00
(11) 2031097
(47) 05.09.2023
(22) 28.02.2022
(54) AI BASED CHANGE DETECTION SYSTEM FOR EXECUTING A METHOD TO DETECT CHANGES IN GEOTAGGED VIDEOS TO UPDATE HD MAPS
(73) NavInfo Europe B.V.
(72) Arnav Varma
Elahe Arani
Bahram Zonooz
Ahmed Badar
Haris Iqbal
Terence Brouns
Shruthi Gowda
(74) mr. ir. J. van Breda c.s.
(31) 17/674,596
(32) 17.02.2022
(33) United States of America
(51) G06T 11/00
(11) 2030984
(47) 01.09.2023
(22) 17.02.2022
(54) Learned invertible reconstruction
(73) Stichting Het Nederlands Kanker Instituut - Antoni van Leeuwenhoek Ziekenhuis
(72) Jonas Teuwen

Jan-Jakob Sonke

Nikita Moriakov

(74) dr. R.C. van Duijvenbode c.s.

(51) G06V 20/58

G08G 1/04

G08G 1/01

(11) 2031012

(47) 05.09.2023

(22) 18.02.2022

(54) SYSTEM AND METHOD FOR
DETERMINATION OF TRAFFIC FLOW
INFORMATION USING EXTERNAL
DATA

(73) Schröder Iluminação SA

(72) Michael Steurer

Lourenço Bandeira

(74) dr. ir. G.J.C. Verdijck c.s.

(51) G07D 7/20

(11) 2031001

(47) 01.09.2023

(22) 17.02.2022

(54) METHOD FOR IDENTIFYING
AUTHENTICITY OF BANKNOTE

(73) Minzu University of China

(72) Zhenwei Zhang

Yuping Yang

(74) ir. M.B. Plaggenborg

(51) H01L 45/00

(11) 2030987

(47) 05.09.2023

(22) 17.02.2022

(54) MgO NANOWIRE RRAM WITH
LOW LEAKAGE CURRENT AND
LARGE RESISTANCE RATIO AND
FABRICATION METHOD THEREOF

(73) Jimei University

(72) Haojian Zheng

Tiejun Li

Yunlong Gao

Jinyan Pan

Huixiang Huang

Xiangyujie Lin

(74) drs. W.H.P. Derks

(51) H04B 7/10

(11) 2031007

(47) 05.09.2023

(22) 18.02.2022

(54) CIRCULARLY POLARIZED SIGNAL
VIA THREE LINEARLY POLARIZED
ANTENNAS

(73) Microsoft Technology Licensing, LLC

(72) Marshall Joseph Katz

(74) ir. J.C. Volmer 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.

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(11) EP3827648 (21) EP19212641.5 (47) 06.09.2023 (22) 29.11.2019	(32) 08.12.2020 28.10.2020 (33) Germany Germany	(51) A01B 79/00 A01D 41/127 (11) EP3861843 (21) EP21151666.1 (47) 06.09.2023 (22) 14.01.2021
(54) FRAME FOR AGRICULTURAL IMPLEMENTS (73) CNH Industrial Sweden AB (72) Hertzog, Daniel Linderson, Bengt Per-Inge Wallin, Per Dennis Nilsson, Carl Ola Fredrik Svensson, Robert Nåhdin, Rickard Karl Gustav	(51) A01B 59/042 A01B 63/32 (11) EP4023042 (21) EP21213935.6 (47) 06.09.2023 (22) 13.12.2021 (54) HITCH ASSEMBLY AND METHOD OF OPERATING SUCH (73) Deere & Company (72) Pawar, Parvin P. Nimbalkar, Anant Dnyanoba Mudanur, Anand Graham, William Douglas	(54) MACHINE CONTROL USING A PREDICTIVE MAP (73) Deere & Company (72) Anderson, Noel W. Palla, Bhanu Kiran Reddy Vandike, Nathan R. (31) 202017066444 202016783511 202016783475 (32) 08.10.2020 06.02.2020 06.02.2020 (33) United States of America United States of America United States of America
(51) A01B 49/02 A01B 21/08 A01B 15/16 A01B 63/32 (11) EP4033873 (21) EP20789327.2 (47) 06.09.2023 (87) US2020052113 01.04.2021 (22) 23.09.2020	(31) 202117140653 (32) 04.01.2021 (33) United States of America (51) A01B 79/00 (11) EP3726951 (21) EP18815695.4 (47) 06.09.2023 (87) EP2018084156 27.06.2019 (22) 10.12.2018 (54) APPARATUS FOR DETERMINING AGRICULTURAL RELEVANT INFORMATION (73) BASF Agro Trademarks GmbH (72) PETERS, Ole SELINGER, Sandra ROMMEL, Thomas ANDREE-LABSCH, Silke	(33) United States of America United States of America United States of America (51) A01B 79/00 A01G 17/00 A01G 7/00 G06Q 50/02 (11) EP4008167 (21) EP21211795.6 (47) 06.09.2023 (22) 01.12.2021 (54) GENERATING CHARACTERISTICS DATA OF AN AGRICULTURAL FIELD ADAPTED FOR PRECISION FARMING (73) Canon Research Centre France (72) THOUMY, François MAJANI, Eric (31) 202019185 (32) 04.12.2020 (33) United Kingdom
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(51) A01B 59/00 B60D 1/06 B60D 1/58 (11) EP3818796 (21) EP20194792.6 (47) 06.09.2023 (22) 07.09.2020	(54) WEAR INDICATOR FOR A BALL HEAD OF A TRAILER COUPLING (73) CLAAS Tractor S.A.S. (72) Viel, Fabrice (31) 102019130214 (32) 08.11.2019 (33) Germany	(51) A01C 7/04 A01C 7/12 (11) EP3238519 (21) EP17168792.4 (47) 06.09.2023 (22) 28.04.2017 (54) DEVICE FOR CONTROLLING SEED DISTRIBUTION FOR SEEDER, AND CORRESPONDING SEEDER (73) Burel Production (72) CLOCHARD, Daniel LEGAIGNOUX, Nicolas (31) 1653847 (32) 28.04.2016 (33) France
(51) A01B 59/041 A01B 59/06 (11) EP3991530 (21) EP21203488.8 (47) 06.09.2023 (22) 19.10.2021	(54) AGRICULTURAL COMMERCIAL VEHICLE WITH A SIDE STABILIZER (73) Deere & Company (72) PATINO, MARIO HEITLINGER, MARTIN Stadlmayr, Ulrike	(51) A01C 7/12 A01C 19/02 A01C 7/08 (11) EP3643155 (21) EP19203857.8 (47) 06.09.2023

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(73) Deere & Company	(31) 102019125500	(11) EP3818810
(72) Harmon, Andrew W.	(32) 23.09.2019	(21) EP19208165.1
(31) 201816169690	(33) Germany	(47) 06.09.2023
(32) 24.10.2018	(51) A01D 41/127	(22) 08.11.2019
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(51) A01D 34/53	(11) EP3714674	(73) CNH Industrial Belgium NV
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(11) EP3700323	(22) 28.03.2019	Naeyaert, Karel
(21) EP18869804.7	(54) STRAW WALKER LOAD MONITORING	Bonte, Xavier G J M
(47) 06.09.2023	(73) CNH Industrial Belgium NV	
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(72) MCKELLAR, Aaron	Aesaert, Glenn	A01F 15/08
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HEYWOOD, Joe	(11) EP3879955	A01B 67/00
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(54) RIDING LAWN MOWER	(11) EP3935935	(47) 06.09.2023
(73) Iseki & Co., Ltd.	(21) EP21183694.5	(22) 08.11.2019
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(33) Japan	(73) Innovation Fabrication Commercialisation	Bonte, Xavier G J M
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(21) EP19169562.6	GOUT, Christophe	A01F 29/04
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(54) ADAPTIVE FORWARD-LOOKING BIOMASS CONVERSION AND MACHINE CONTROL DURING CROP HARVESTING OPERATIONS	(33) France	(21) EP20728231.0
(73) Deere & Company	(51) A01D 57/20	(47) 06.09.2023
(72) Borgstadt, Dustin	(11) EP3471530	(87) IB2020055013
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(22) 16.07.2020	GILG, Douglas M.	(51) A01F 29/00
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(73) CLAAS Selbstfahrende Erntemaschinen GmbH	BASSON, Jacques	A01F 29/12
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(72) HEGEWALD, Robert	(72) DAVIS, Tommy Gene	(72) YAMAZAKI, Yuusuke
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COMPONENT	(21) EP21166698.7	METHOD FOR CONTROLLING A
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B29C 64/40	OF AN OBJECT LAYER BY LAYER	B29C 64/35
B33Y 10/00	WITH AN ADDITIVE MANUFACTURING	B33Y 40/00
B33Y 30/00	METHOD OF THE TYPE SOLID/SOLID.	B33Y 40/20
B33Y 70/00	(73) Cirtes SRC	(11) EP3433080
B29C 64/118	Barlier, Claude	(21) EP16722650.5
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(22) 19.06.2019	BARLIER, Claude	(73) Hewlett-Packard Development Company,
(54) METHOD AND SYSTEM FOR	(31) 1907059	L.P.
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MANUFACTURING	(33) France	JUAN, Fernando
(73) Stratasys Ltd.	(51) B29C 64/209	COMAS, Esteve
(72) SOKULER, Mordechay	B29C 64/118	(51) B29C 64/264
LIBINSON, Alexander	B22F 10/18	B29C 64/30
RUBIN, Shmuel	B22F 12/53	B33Y 30/00
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(22) 10.07.2017	30.01.2020	(73) 3D Systems, Inc.
(54) METHOD FOR PRINTING A THREE-	(22) 25.07.2019	(72) SABO, David
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B33Y 10/00	MACNEISH III, William, Jack	B29C 64/209
B33Y 80/00	GREENE, Jason	B29C 64/118
G02B 6/00	WALDESTRAND, Iris Gisey, Euan	H05B 3/56
B29C 64/393	(31) 201916268873	H05B 3/12
G05B 19/4099	201862703700 P	B29C 64/386
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B33Y 50/00	METHOD	29.06.2017
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B22F 12/53	(72) Donati, Pietro	Japan
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(72) MACNEISH, William	(54) METHOD AND DEVICE FOR JOINING	(73) Reed Electronics AG
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(22) 20.12.2017	B29K 33/04	(54) METHOD AND DEVICE FOR WELDING
(54) IMPROVEMENTS TO ADDITIVE	B29K 69/00	AT LEAST TWO PROFILES
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(73) Additive Manufacturing Technologies	(21) EP18166443.4	Soenen, Eveline
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(72) CRABTREE, Joseph Gwilliam	(22) 10.04.2018	Soenen, Eveline
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(22) 17.07.2020	(31) 201700041997	RELATED METHOD
(54) A METHOD AND SYSTEM FOR	(32) 14.04.2017	(73) LM Wind Power A/S
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B29K 101/12	(54) LASER WELDED BODY AND METHOD	(54) IMPROVEMENTS TO STEP BACK
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(21) EP21172146.9	(73) Orient Chemical Industries Co., Ltd.	(73) Xyztec BV
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(22) 04.05.2021	YAMAMOTO, Satoshi	VAN MIL, Cornelis Bartholomeus Maria
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B32B 27/36	(54) APPARATUS AND METHOD FOR	C03C 17/34
B32B 5/26	MAKING RADIUS COMPOSITE GAP	(11) EP3390025
B32B 27/38	FILLER	(21) EP16798567.0
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(87) GB2017051986	(33) United States of America	METHODS OF USE THEREOF
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(54) A STRUCTURAL MEMBER	B29D 99/00	PI, Ying
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COMPOSITE MATERIAL ACROSS AN	(72) GURVICH, Mark R.	COMPONENT FROM A BRITTLE-HARD
EDGE	(31) 202016784868	MATERIAL
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B29C 70/08	(73) The Boeing Company	F16G 5/20
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(54) METHOD FOR PRODUCING A	C08K 7/24	PRODUCING SAME
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WIND TURBINE	C08L 71/02	(72) MITSUTOMI Manabu
(73) Wobben Properties GmbH	B29K 105/04	KAMBA Yuji
(72) Hoffmann, Alexander	B29K 105/00	HINENO Yorifumi
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(72) BERENQUER, Albert	(73) Compagnie Générale des	LLC
DE COL, Christian	Etablissements Michelin	(72) RANDALL, Amy M.
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(73) Continental Reifen Deutschland GmbH	(22) 27.04.2022	(73) Engelbert Strauss GmbH & Co. KG
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Belograd, Juraj	RUBBER COMPOSITE AND METHOD	(31) 102019135525
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STRUCTURE	B26D 3/00	(73) Alon Group Ltd
(73) Compagnie Générale des	B26D 1/60	(72) ALON, Zohar
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(72) PIALOT, Frédéric	B26D 5/32	(31) 25910618
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(73) Eurven S.r.l.	B31B 70/88	(73) MEDI-Clear Ltd
(72) BAESSO, Carlo, Alberto	B31B 70/10	(72) HOGAN,, Mark Paul
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(32) 29.06.2017	(31) 202016880602	(33) Japan
(33) Japan	(32) 21.05.2020	(51) B41N 3/00
(51) B41J 2/165	(33) United States of America	B41N 1/14
(11) EP3960469	(51) B41J 3/01	G03F 7/00
(21) EP21186627.2	(11) EP3658383	G03F 7/004
(47) 06.09.2023	(21) EP18752946.6	G03F 7/095
(22) 20.07.2021	(47) 06.09.2023	B41C 1/10
(54) HEAD CAP AND HEAD CAPPING	(87) US2018043604	(11) EP3677435
METHOD	31.01.2019	(21) EP18851746.0
(73) Ricoh Company, Ltd.	(22) 25.07.2018	(47) 06.09.2023
(72) OKEGUCHI, Muneyuki	(54) PRINTING SYSTEM AND METHOD	(87) JP2018032508
(31) 2021106177	(73) Illinois Tool Works Inc.	07.03.2019
2020141472	(72) LIKER, Stephen, Jay	(22) 31.08.2018
(32) 25.06.2021	MacKAY, Donald	(54) PRINTING PLATE PRECURSOR AND
25.08.2020	DU, Yu	PRINTING PLATE PRECURSOR
(33) Japan	CHEN, Tzer-Yi	LAMINATE
Japan	(31) 201816043327	(73) FUJIFILM Corporation
(51) B41J 2/165	201762536508 P	(72) SHIMANAKA Shuji
B41J 25/00	(32) 24.07.2018	IKEYAMA Yusuke
B41J 25/304	25.07.2017	WATANABE Shumpei
(11) EP3927554	(33) United States of America	(31) 2017167854
(21) EP20703418.2	United States of America	(32) 31.08.2017
(47) 06.09.2023	(51) B41J 3/407	(33) Japan
(87) EP2020052415	B41J 11/06	(51) B42D 15/04
27.08.2020	(11) EP3939798	B42D 15/08
(22) 31.01.2020	(21) EP21185820.4	(11) EP4067101
(54) PRINTING MACHINE	(47) 06.09.2023	(21) EP21211689.1
(73) Koenig & Bauer AG	(22) 15.07.2021	(47) 06.09.2023
(72) REDER, Wolfgang	(54) PRINTING JIG AND PRINTING	(22) 01.12.2021
KEUPP, Joachim	APPARATUS	(54) PRINTED MATERIAL AND METHOD
ARNOLD, Christian	(73) Roland DG Corporation	FOR PRODUCING PRINTED MATERIAL
SCHÄFER, Karl	(72) Ueda, Naoki	(73) FUJIFILM Business Innovation Corp.
(31) 102019104579	(31) 2020121086	(72) CHONAN, Shiori
(32) 22.02.2019	(32) 15.07.2020	KAMIWAKI, Satoshi
(33) Germany	(33) Japan	(31) 2021055131
(51) B41J 2/175	(51) B41J 11/00	(32) 29.03.2021
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(73) Koenig & Bauer AG (72) CHASSOT, Daniel DUFÉY, Sébastien GALUFFO, Giovanni GUILLERÉY, Hervé	(31) 102020106639 102020106641 (32) 11.03.2020 11.03.2020 (33) Germany Germany	(73) Toppan Printing Co., Ltd. (72) INOKUCHI, Masami MAEHIRA, Makoto (31) 2018198538 (32) 22.10.2018 (33) Japan	(73) Munich Composites GmbH (72) RÜGER, Olaf MEHRING, Johannes (31) 102020131243 (32) 25.11.2020 (33) Germany
(73) Koenig & Bauer AG (72) CHASSOT, Daniel DUFÉY, Sébastien GALUFFO, Giovanni GUILLERÉY, Hervé	(31) 102020106639 102020106641 (32) 11.03.2020 11.03.2020 (33) Germany Germany	(51) B42D 25/355 B42D 25/382 (11) EP4000941 (21) EP21020566.2 (47) 06.09.2023 (22) 15.11.2021 (54) SECURITY ELEMENT OF SECURITY DOCUMENT WITH MOTIF ELEMENT ON MARKING LAYER AND METHOD FOR PRODUCING SECURITY ELEMENT	(51) B60C 1/00 C08C 19/02 C08C 19/22 C08C 19/25 C08F 236/06 C08L 15/00 (11) EP3988327 (21) EP21202815.3 (47) 06.09.2023 (22) 15.10.2021
(51) B42D 25/324 B42D 25/333 B42D 25/351 B42D 25/36 B42D 25/373	(11) EP3939801 (21) EP21020343.6 (47) 06.09.2023 (22) 02.07.2021 (54) VALUABLE DOCUMENT	(73) Giesecke+Devrient Currency Technology GmbH (72) Giselher, Dorff Björn, Teufel	(54) CROSSLINKING RUBBER COMPOSITION, METHOD FOR PRODUCING CROSSLINKED RUBBER, AND TREAD FOR TIRE
(73) Giesecke+Devrient Currency Technology GmbH (72) Giselher, Dorff Björn, Teufel	(31) 102020004236 (32) 14.07.2020 (33) Germany	(73) Giesecke+Devrient Currency Technology GmbH (72) Schmitz, Christian (31) 102020007088 (32) 19.11.2020 (33) Germany	(73) Asahi Kasei Kabushiki Kaisha (72) ARAKI, Yoshifumi INOUE, Yoshihisa YASUMOTO, Atsushi (31) 2021136065 2020174807 (32) 24.08.2021 16.10.2020 (33) Japan Japan
(51) B42D 25/324 B42D 25/36	(11) EP3954543 (21) EP21020303.0 (47) 06.09.2023 (22) 11.06.2021 (54) OPTICALLY VARIABLE SECURITY ELEMENT	(51) B42D 25/47 B42D 25/36 G02B 5/12 G02B 5/124 G02B 5/128 G02B 5/20 G02B 5/22 G02B 5/26 B32B 3/18 B32B 7/12	(54) RUBBER COMPOSITION
(73) Giesecke+Devrient Currency Technology GmbH (72) Rauch, Andreas Rahm, Michael Sattler, Tobias Scherer, Kai Herrmann Hoffmüller, Winfried	(31) 102020004959 (32) 13.08.2020 (33) Germany	(11) EP3826832 (21) EP19840363.6 (47) 06.09.2023 (87) IB2019056211 30.01.2020 (22) 19.07.2019 (54) A PATTERNED WAVELENGTH-SELECTIVE FILM	(73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN (72) SALIT, Anne-Frédérique THUILLIEZ, Anne-Lise LEDOUX, Céline (31) 1762562 (32) 20.12.2017 (33) France
(51) B42D 25/342 B41M 3/14 B42D 25/24 G07D 7/12 G02B 5/18	(54) OPTICALLY VARIABLE SECURITY ELEMENT	(73) 3M Innovative Properties Company (72) CHEN-HO, Kui DUNN, Douglas S. STAY, Matthew S. THEIS, Daniel J. STRAND, John T. DODDS, Shawn C. METZLER, Thomas J. GOTRIK, Kevin W. JONES, Scott J.	(87) FR2018052521 27.06.2019 (22) 11.10.2018 (54) RUBBER COMPOSITION
(73) Giesecke+Devrient Currency Technology GmbH (72) Rauch, Andreas Rahm, Michael Sattler, Tobias Scherer, Kai Herrmann Hoffmüller, Winfried	(31) 102020004959 (32) 13.08.2020 (33) Germany	(73) CHEN-HO, Kui DUNN, Douglas S. STAY, Matthew S. THEIS, Daniel J. STRAND, John T. DODDS, Shawn C. METZLER, Thomas J. GOTRIK, Kevin W. JONES, Scott J.	(73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN (72) SALIT, Anne-Frédérique THUILLIEZ, Anne-Lise LEDOUX, Céline (31) 1762562 (32) 20.12.2017 (33) France
(51) B42D 25/342 B41M 3/14 B42D 25/24 G07D 7/12 G02B 5/18	(54) OPTICALLY VARIABLE SECURITY ELEMENT	(31) 201862702642 P (32) 24.07.2018 (33) United States of America	(51) B60C 1/00 C08L 9/06 C08K 5/053 C08K 5/09 C08K 5/1575 C08K 5/17

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C08F 8/32	B60C 11/03	17.12.2020
(11) EP3943317	(11) EP3950387	(22) 11.06.2020
(21) EP21186722.1	(21) EP21184092.1	(54) PNEUMATIC TIRE
(47) 06.09.2023	(47) 06.09.2023	(73) Bridgestone Corporation
(22) 20.07.2021	(22) 06.07.2021	(72) SHIBATA, Yasuo
(54) POLYBUTENE DERIVATIVE FOR	(54) TIRE	(31) 2019109211
RUBBER COMPOUNDING AND	(73) SUMITOMO RUBBER INDUSTRIES	(32) 12.06.2019
RUBBER COMPOSITION INCLUDING	LIMITED	(33) Japan
SAME	(72) ITO, Hiroshi	<hr/>
(73) DL Chemical Co., Ltd.	(31) 2020132684	(51) B60C 11/03
(72) Park, Min Sup	(32) 04.08.2020	B60C 9/06
Kim, Myeong Seok	(33) Japan	B60C 11/12
Lee, Se Hyun	(51) B60C 11/01	(11) EP4032726
(31) 20200090281	B60C 9/18	(21) EP21216013.9
(32) 21.07.2020	B60C 11/00	(47) 06.09.2023
(33) Korea (Republic)	(11) EP3725551	(22) 20.12.2021
<hr/>	(21) EP18888100.7	(54) MOTORCYCLE TIRE AND FRONT AND
(51) B60C 1/00	(47) 06.09.2023	REAR MOTORCYCLE TIRES
C08L 47/00	(87) JP2018027135	(73) Sumitomo Rubber Industries, Ltd.
C08F 210/02	20.06.2019	(72) ICHIRYU, Yutaka
C08C 19/22	(22) 19.07.2018	(31) 2021009763
C08C 19/25	(54) HEAVY-DUTY TIRE	(32) 25.01.2021
C08C 19/44	(73) Bridgestone Corporation	(33) Japan
(11) EP4031382	(72) NAKASATO, Reo	<hr/>
(21) EP20820253.1	SATO, Taiki	(51) B60C 11/03
(47) 06.09.2023	(31) 2017237698	B60C 11/13
(87) FR2020051602	(32) 12.12.2017	(11) EP3819137
25.03.2021	(33) Japan	(21) EP19830207.7
(22) 17.09.2020	(51) B60C 11/01	(47) 06.09.2023
(54) FUNCTIONAL ETHYLENE AND 1,3-	B60C 9/18	(87) JP2019025625
DIENE COPOLYMERS	B60C 11/00	09.01.2020
(73) COMPAGNIE GENERALE DES	(11) EP3725552	(22) 27.06.2019
ETABLISSEMENTS MICHELIN	(21) EP18888324.3	(54) TIRE
(72) MORESO, Emma	(47) 06.09.2023	(73) Bridgestone Corporation
LAFQUIERE, Vincent	(87) JP2018023000	(72) KAWAKITA, Akihiro
(31) 1910304	20.06.2019	(31) 2018127650
(32) 18.09.2019	(22) 15.06.2018	(32) 04.07.2018
(33) France	(54) HEAVY-DUTY TIRE	(33) Japan
<hr/>	(73) Bridgestone Corporation	<hr/>
(51) B60C 9/20	(72) NAKASATO, Reo	(51) B60C 11/03
B60C 9/00	SATO, Taiki	B60C 11/13
(11) EP3785936	(31) 2017237700	B60C 11/12
(21) EP20187132.4	(32) 12.12.2017	B60C 5/00
(47) 06.09.2023	(33) Japan	(11) EP3812175
(22) 22.07.2020	(51) B60C 11/01	(21) EP19821641.8
(54) PNEUMATIC VEHICLE TYRE WITH AT	B60C 9/18	(47) 06.09.2023
LEAST ONE REINFORCEMENT LAYER	B60C 11/00	(87) JP2019019082
(73) Continental Reifen Deutschland GmbH	(11) EP3725553	26.12.2019
(72) Römer, Justus	(21) EP18888403.5	(22) 14.05.2019
Wanka, Thomas	(47) 06.09.2023	(54) PNEUMATIC TIRE
(31) 102019213070	(87) JP2018027379	(73) The Yokohama Rubber Co., Ltd.
(32) 30.08.2019	20.06.2019	(72) WATANABE Daisuke
(33) Germany	(22) 20.07.2018	(31) 2018115758
<hr/>	(54) HEAVY-DUTY TIRE	(32) 19.06.2018
(51) B60C 11/00	(73) Bridgestone Corporation	(33) Japan
B60C 11/03	(72) NAKASATO, Reo	<hr/>
(11) EP3892477	SATO, Taiki	(51) B60C 11/13
(21) EP21176261.2	(31) 2017237703	B60C 11/00
(47) 06.09.2023	(32) 12.12.2017	B60C 11/03
(22) 16.07.2014	(33) Japan	B60C 11/12
(54) CAR TYRE	(51) B60C 11/01	B60C 11/04
(73) Pirelli Tyre S.p.A.	B60C 11/03	B60C 19/00
(72) COLOMBO, Gianfranco	B60C 11/13	(11) EP3725556
BOLZONI, Roberto	B60C 11/12	(21) EP18889421.6
BIZZI, Stefano	(11) EP3984772	(47) 06.09.2023
LORENZETTI, Daniele	(21) EP20821668.9	(87) JP2018045347
(31) RM20130422	(47) 06.09.2023	20.06.2019
(32) 16.07.2013		(22) 10.12.2018
(33) Italy		(54) PNEUMATIC TIRE
<hr/>		(73) Bridgestone Corporation
(51) B60C 11/00		(72) TOMIDA, Tatsuya

(31) 2017239023	(72) TSIBERIDIS, Konstantin	(47) 06.09.2023
(32) 13.12.2017	GROSSE-VEHNE, Klemens	(22) 02.12.2020
(33) Japan	(31) 102014117459	(54) AIR SPRING
(51) B60C 13/00	102014103217	(73) ContiTech AG
B60C 11/13	(32) 27.11.2014	(72) Janhar, Ziga - c/o Continental AG
(11) EP3722111	11.03.2014	Heberle, Peter - c/o Continental AG
(21) EP18885212.3	(33) Germany	Kosir, Matej - c/o Continental AG
(47) 06.09.2023	Germany	Stojko, Brane - c/o Continental AG
(87) JP2018044417	(51) B60C 23/04	Bosch-Masgrau, Francesc - c/o
13.06.2019	(11) EP3826865	Continental AG
(22) 03.12.2018	(21) EP19749275.4	Hansen, Carsten - c/o Continental AG
(54) TIRE	(47) 06.09.2023	Oman, Simon - c/o
(73) Bridgestone Corporation	(87) EP2019069988	(51) B60G 17/015
(72) IWABUCHI, Sotaro	30.01.2020	F16D 3/06
(31) 2017235509	(22) 24.07.2019	F16F 9/19
(32) 07.12.2017	(54) VEHICLE WHEEL MONITORING	F16F 15/023
(33) Japan	SYSTEM	F16F 15/03
(51) B60C 19/00	(73) TIZAP LIMITED	F16F 15/067
(11) EP3766709	(72) BROADFIELD, Gary	F16H 25/20
(21) EP19425053.6	(31) 201812029	F16H 25/22
(47) 06.09.2023	(32) 24.07.2018	B60G 17/06
(22) 18.07.2019	(33) United Kingdom	B62D 5/04
(54) RIM FOR VEHICLE WHEELS	(51) B60C 23/04	B62D 7/06
COMPRISING A NOISE REDUCING	G08G 1/09	F16F 13/00
SYSTEM	G06K 19/077	F16F 9/06
(73) Pirelli Tyre S.p.A.	G08G 1/056	(11) EP3815941
Ronal AG	G08G 1/017	(21) EP19827353.4
(72) Azzaretto, Riccardo	(11) EP3630505	(47) 06.09.2023
Michel, Thomas	(21) EP18732842.2	(87) JP2019022771
Böcker, Karl-Heinz	(47) 06.09.2023	02.01.2020
Schäfer, Felix	(87) FR2018051262	(22) 07.06.2019
(51) B60C 23/00	06.12.2018	(54) SUSPENSION
(11) EP3027433	(22) 31.05.2018	(73) THK Co., Ltd.
(21) EP14747898.6	(54) METHOD FOR PROVIDING A SERVICE	(72) SAKUYAMA, Takashi
(47) 06.09.2023	LINKED TO THE CONDITION AND/OR	TANIGUCHI, Sho
(87) EP2014066418	BEHAVIOUR OF A VEHICLE AND/OR	NISHIDE, Tetsuhiro
05.02.2015	OF A TYRE	HIRATA, Satoshi
(22) 30.07.2014	(73) Compagnie Générale des	KANESHIGE, Hiroshi
(54) VEHICLE WHEEL ASSEMBLY	Etablissements Michelin	IWASHIRO, Sho
(73) Jaguar Land Rover Limited	(72) LEDOUX, Thomas	(31) 2018123252
(72) LÄÄNEMETS, Laur	FANGEAT, Nicolas	(32) 28.06.2018
DUNNING, Emma-Claire	(31) 1754916	(33) Japan
JONES, Kit	(32) 02.06.2017	(51) B60H 1/00
DODU, Maelle	(33) France	(11) EP3795390
FORD, Mark	(51) B60C 23/04	(21) EP19802610.6
BOYD, Michael	H02N 1/04	(47) 06.09.2023
LOFTUS, Daniel	(11) EP3597455	(87) JP2019012512
(31) 201319208	(21) EP19185921.4	21.11.2019
201313622	(47) 06.09.2023	(22) 25.03.2019
(32) 31.10.2013	(22) 12.07.2019	(54) AIR CONDITIONING DEVICE FOR
30.07.2013	(54) TIRE ASSEMBLY, TIRE MONITORING	VEHICLE
(33) United Kingdom	SYSTEM, AND TIRE MONITORING	(73) Highly Marelli Japan Corporation
United Kingdom	METHOD	(72) TSUKUDA, Ryuuji
(51) B60C 23/00	(73) Sumitomo Rubber Industries, Ltd.	ISHIKAWA, Tsugutaka
B60C 23/10	The School Corporation Kansai	MARUYAMA, Kazuyuki
B60C 23/14	University	MIYATA, Ichiro
F04B 39/02	(72) OCHI, Jun	(31) 2018095357
(11) EP3756908	TANI, Hiroshi	(32) 17.05.2018
(21) EP20190629.4	(31) 2018135191	(33) Japan
(47) 06.09.2023	(32) 18.07.2018	(51) B60H 1/00
(22) 11.03.2015	(33) Japan	(11) EP4043252
(54) PRESSURIZED-MEDIUM SUPPLY	(51) B60G 11/27	(21) EP22152254.3
DEVICE, WHEEL UNIT HAVING A	B60G 11/28	(47) 06.09.2023
PRESSURIZED-MEDIUM SUPPLY	F16F 9/04	(22) 19.01.2022
DEVICE, AND DISTRIBUTED SYSTEM	F16F 9/05	(54) METHOD FOR INITIATING A
FOR SUPPLYING PRESSURIZED	F16F 9/54	DEFROSTING PROCESS OF A HEAT
MEDIUM	(11) EP4008572	EXCHANGER OF A HEAT PUMP OF A
(73) Illinois Tool Works Inc.	(21) EP20211318.9	MOTOR VEHICLE

(73) VOLKSWAGEN AG	(11) EP3766714	(72) WITTE, Martin
(72) Westhäuser, Jochen	(21) EP20185593.9	GORENZWEIG, Igor Alexander
Twenhövel, Sven	(47) 06.09.2023	LÖPKE, Christian
Albrecht, Jan-Christoph	(22) 14.07.2020	(31) 102017104514
(31) 102021201380	(54) COMMERCIAL VEHICLE	102016117319
(32) 15.02.2021	SUPERSTRUCTURE, COMMERCIAL	(32) 03.03.2017
(33) Germany	VEHICLE AND DEVICE FOR	14.09.2016
(51) B60H 1/00	TENSIONING A HEIGHT-ADJUSTABLE	(33) Germany
B60H 1/24	TARPAULIN OF A COMMERCIAL	Germany
B60R 7/04	VEHICLE SUPERSTRUCTURE	(51) B60K 1/02
(11) EP4035912	(73) Kögel Trailer GmbH	F16H 61/04
(21) EP21192406.3	(72) BROLL, Tobias	(11) EP4048539
(47) 06.09.2023	KALISCHKO, Thomas	(21) EP19800941.7
(22) 20.08.2021	(31) 102019119628	(47) 06.09.2023
(54) MOVABLE CONSOLE FOR A VEHICLE	(32) 19.07.2019	(87) EP2019079070
(73) HYUNDAI MOTOR COMPANY	(33) Germany	29.04.2021
Kia Corporation	(51) B60J 7/06	(22) 24.10.2019
(72) AHN, Gye Young	(11) EP3943325	(54) A VEHICLE AXLE, IN PARTICULAR
KIM, Kyoung Sik	(21) EP21185718.0	A MOTORIZED AXLE, ON WHICH
(31) 20210011686	(47) 06.09.2023	SEVERAL ELECTRIC MOTORS ARE
(32) 27.01.2021	(22) 15.07.2021	MOUNTED
(33) Korea (Republic)	(54) SLIDING COVER FOR A ROOF	(73) VOLVO TRUCK CORPORATION
(51) B60H 1/00	OPENING OF A COMMERCIAL	(72) BARILLOT, Thomas
H04L 12/40	VEHICLE CARGO AREA	CAUVIN, Bertrand
(11) EP3621833	(73) F. Hesterberg & Söhne GmbH & Co. KG	TERRAT, Jean
(21) EP18724801.8	(72) Tiedtke, Henning	VANANTY, Serge
(47) 06.09.2023	(31) 102020119447	(51) B60K 1/04
(87) EP2018061531	(32) 23.07.2020	(11) EP3871913
15.11.2018	(33) Germany	(21) EP19876351.8
(22) 04.05.2018	(51) B60J 10/17	(47) 06.09.2023
(54) METHOD AND MOBILE TERMINAL	B60J 10/50	(87) JP2019041286
FOR CONTROLLING AT LEAST ONE	B60J 10/75	30.04.2020
AIR-CONDITIONER DEVICE	(11) EP3785960	(22) 21.10.2019
(73) Webasto SE	(21) EP19791573.9	(54) MOBILE OBJECT
(72) FELLNER, Günther	(47) 06.09.2023	(73) HONDA MOTOR CO., LTD.
THÜRMER, Daniel	(87) JP2019017448	(72) AZUMA, Hidenori
(31) 102017109860	31.10.2019	(31) 2018198370
(32) 08.05.2017	(22) 24.04.2019	(32) 22.10.2018
(33) Germany	(54) VEHICULAR BELT MOLDINGS	(33) Japan
(51) B60H 1/22	(73) Tokai Kogyo Co., Ltd.	(51) B60K 1/04
B60H 1/14	(72) KOBAYASHI Yosuke	B60K 25/00
H05K 7/20	(31) 2018085119	(11) EP4116123
B60H 1/00	(32) 26.04.2018	(21) EP22182806.4
(11) EP3643547	(33) Japan	(47) 06.09.2023
(21) EP18202899.3	(51) B60J 11/06	(22) 04.07.2022
(47) 06.09.2023	B62D 25/12	(54) IN-VEHICLE POWER SUPPLY SYSTEM
(22) 26.10.2018	(11) EP3851307	(73) Yazaki Corporation
(54) ELECTRIC POWER CONVERTER	(21) EP21151183.7	(72) Kominato, Yasuhiro
DEVICE	(47) 06.09.2023	Okuda, Sadaharu
(73) Mahle International GmbH	(22) 12.01.2021	(31) 2021112929
(72) Castillo, Jose Antonio	(54) COVER FOR A HOOD OF A MOTOR-	(32) 07.07.2021
Hallberg, Torbjorn	VEHICLE	(33) Japan
Jordan Herrero, Donato	(73) Confezioni Andrea Italia S.r.l.	(51) B60K 5/12
Perez, Alfredo	(72) TAVELLI, Andrea	F16F 15/00
Walter, Christoph	FIDANZA, Federico	F16F 15/08
(51) B60H 1/34	(31) 202000000853	F16F 1/36
(11) EP3444136	(32) 17.01.2020	B60K 1/00
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(47) 06.09.2023	(51) B60K 1/00	(21) EP21204431.7
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(54) AIR VENT FOR A VEHICLE	(11) EP3512727	(22) 25.10.2021
(73) Illinois Tool Works Inc.	(21) EP17754088.7	(54) ELASTIC MOUNTING
(72) Demerath, Michael	(47) 06.09.2023	(73) ContiTech Vibration Control GmbH
(31) 102017118450	(87) EP2017069030	(72) Kuehne, Lukas
(32) 14.08.2017	22.03.2018	Werhahn, Max
(33) Germany	(22) 27.07.2017	Marienföld, Peter
(51) B60J 5/06	(54) TANK MODULE	(31) 102020216108
	(73) HUF Hülbeck & Fürst GmbH & Co. KG	(32) 17.12.2020

(33) Germany	(21) EP20756927.8	(47) 06.09.2023
(51) B60K 6/20	(47) 06.09.2023	(22) 19.07.2019
B60K 6/30	(87) FR2020051382	(54) MOBILE HEARABLE DEVICE AND VEHICLE CONTROL SYSTEM
B60K 6/387	04.03.2021	(73) NXP B.V.
B60K 6/48	(22) 28.07.2020	(72) Rajan Kesavelu Shekar, Pramod Meijer, Rinze Ida Mechtildis Peter
B60K 6/547	(54) METHOD FOR PROTECTING A CLUTCH OF A HYBRID VEHICLE AGAINST OVERHEATING BY LOAD STOPPING	(51) B60K 35/00
B60W 10/00	(73) PSA Automobiles SA	B60W 30/095
B60W 10/02	(72) MILHAU, Yohan	B60W 40/072
B60W 10/06	HABBANI, Ridouane	B60W 50/00
B60W 10/08	ROCQ, Gaetan	B60W 50/14
B60W 10/113	SIRAUDEAU, Franck	B60W 60/00
B60W 10/24	(31) 1909567	(11) EP3931029
B60W 20/40	(32) 30.08.2019	(21) EP20707025.1
B60W 20/00	(33) France	(47) 06.09.2023
B60W 20/30	(51) B60K 11/02	(87) EP2020054300
B60W 20/10	B60K 1/00	03.09.2020
B60W 30/192	B60K 11/08	(22) 19.02.2020
(11) EP3668737	(11) EP4061663	(54) METHOD FOR OPERATING A DRIVER INFORMATION SYSTEM IN AN EGO-VEHICLE AND DRIVER INFORMATION SYSTEM
(21) EP18742991.5	(21) EP20799772.7	(73) VOLKSWAGEN AKTIENGESELLSCHAFT
(47) 06.09.2023	(47) 06.09.2023	(72) SEITZ, Gordon
(87) EP2018069203	(87) FR2020051833	SANDBRINK, Johanna
21.02.2019	27.05.2021	PUHLE, Marie
(22) 16.07.2018	(2) 15.10.2020	(31) 102019202581
(54) HYBRID DRIVE TRANSMISSION UNIT AND METHOD FOR OPERATING A VEHICLE WITH A HYBRID DRIVE	(54) METHOD OF THERMAL DIAGNOSIS FOR THE DETECTION OF AN ABNORMALITY OF THE FUNCTIONING OF AN ELECTRIC CIRCUIT OF A MOTOR VEHICLE	(32) 26.02.2019
(73) Bayerische Motoren Werke Aktiengesellschaft	(73) PSA Automobiles SA	(33) Germany
(72) JUNG, Thomas	(72) MIQUEL, Claire	(51) B60K 35/00
KOBLER, Sebastian	ZUMI, Michel	G02B 27/01
HOESS, Bernhard	NEDELEC, Yann	(11) EP4028276
(31) 102017214396	(31) 1912976	(21) EP20740303.1
(32) 18.08.2017	(32) 20.11.2019	(47) 06.09.2023
(33) Germany	(33) France	(87) EP2020069769
(51) B60K 6/387	(51) B60K 15/03	18.03.2021
B60K 6/48	F16J 15/3232	(22) 13.07.2020
(11) EP3924200	F16J 15/06	(54) METHOD FOR OPERATING VIRTUAL REALITY GLASSES IN A VEHICLE AND VIRTUAL REALITY SYSTEM WITH VIRTUAL REALITY GLASSES AND A VEHICLE
(21) EP19828199.0	F16J 15/10	(73) Audi AG
(47) 06.09.2023	(11) EP4065401	(72) MOLL, Tobias
(87) DE2019101003	(21) EP20811678.0	BOUAZIZ, Tahar
20.08.2020	(47) 06.09.2023	(31) 102019124386
(22) 22.11.2019	(87) EP2020083854	(32) 11.09.2019
(54) CLUTCH DEVICE COMPRISING A FASTENING UNIT, WHICH HAS A CLAMPING ELEMENT, BETWEEN A TORSIONAL VIBRATION DAMPER AND A DISCONNECT CLUTCH	03.06.2021	(33) Germany
(73) Schaeffler Technologies GmbH & Co. KG	(22) 30.11.2020	(51) B60K 35/00
(72) BULUT, Faruk	(54) MULTI-LOBE SEAL AND SEALING DEVICE COMPRISING SUCH A SEAL	G06F 3/0488
FINKENZELLER, Marc	(73) Plastic Omnium Advanced Innovation And Research	B60K 37/06
VOGEL, Florian	(72) COING, Jean-François	G06F 3/01
(31) 102019109981	LEMASSON, Wilfried	H04N 13/30
102019103547	(31) 1913565	(11) EP3507681
(32) 16.04.2019	(32) 29.11.2019	(21) EP17751319.9
13.02.2019	(33) France	(47) 06.09.2023
(33) Germany	(51) B60K 35/00	(87) EP2017069072
Germany	B60K 37/00	08.03.2018
(51) B60K 6/48	H04W 4/80	(22) 27.07.2017
B60K 6/52	H04B 5/00	(54) METHOD FOR INTERACTING WITH IMAGE CONTENTS DISPLAYED ON A DISPLAY DEVICE IN A VEHICLE
B60W 10/02	H04B 5/06	(73) Volkswagen Aktiengesellschaft
B60W 10/06	G06F 3/16	(72) TÜMLER, Johannes
B60W 10/08	G01S 1/68	TEMMING, Carsten
B60W 10/26	G10L 15/22	SCHÄFER, Helge
B60W 20/13	B60R 16/037	
B60W 20/15	(11) EP3766717	
B60W 30/186	(21) EP19187261.3	
F16D 66/00		
(11) EP4021749		

(31) 102016216577	(33) Japan	(54) METHOD FOR OPERATING AN
(32) 01.09.2016	(51) B60L 7/18	ELECTRIC MACHINE, DEVICE, DRIVE
(33) Germany	B60L 50/20	DEVICE, AND MOTOR VEHICLE
(51) B60K 35/00	B60L 53/00	(73) Robert Bosch GmbH
G06T 11/00	B60L 58/15	(72) GRABS, Manfred
G02B 27/01	(11) EP3165399	(31) 102017214074
G06V 20/58	(21) EP16002367.7	(32) 11.08.2017
(11) EP3666578	(47) 06.09.2023	(33) Germany
(21) EP18843129.0	(22) 08.11.2016	(51) B60L 50/00
(47) 06.09.2023	(54) REGENERATIVE CONTROLLER FOR	(11) EP3323652
(87) JP2018028472	ELECTRIC MOTOR, REGENERATIVE	(21) EP16199182.3
14.02.2019	DRIVER FOR ELECTRIC MOTOR, AND	(47) 06.09.2023
(22) 30.07.2018	POWER-ASSISTED VEHICLE	(22) 16.11.2016
(54) VEHICLE DISPLAY DEVICE	(73) Taiyo Yuden Co., Ltd.	(54) ELECTRIC VEHICLE
(73) Nippon Seiki Co., Ltd.	(72) Hosaka, Yasuo	(73) NIO (Anhui) Holding Co., Ltd.
(72) MASUYA Yuki	Yanaoka, Taichi	(72) HARTVELT, Ron
MIKAMI Takashi	(31) 2016082826	WAY, Mark
(31) 2017155425	2015219584	MARTIN, Arnaud
(32) 10.08.2017	(32) 18.04.2016	(51) B60L 50/50
(33) Japan	09.11.2015	H02J 7/00
(51) B60K 37/06	(33) Japan	B60L 58/12
(11) EP3765324	Japan	B60L 58/19
(21) EP19706922.2	(51) B60L 9/16	B60L 58/21
(47) 06.09.2023	B60L 15/20	B60L 58/22
(87) EP2019053584	B61L 25/02	H02J 7/34
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(22) 13.02.2019	(21) EP20214182.6	(21) EP18843850.1
(54) METHOD, DEVICE AND COMPUTER-	(47) 06.09.2023	(47) 06.09.2023
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A DISPLAY OF AN AUGMENTED	METHOD FOR OPERATING THE DRIVE	(22) 30.07.2018
REALITY DISPLAY DEVICE FOR A	SYSTEM, AND VEHICLE WITH DRIVE	(54) SMART BATTERY CIRCUIT
MOTOR VEHICLE	SYSTEM	(73) Zoox, Inc.
(73) VOLKSWAGEN	(73) Bombardier Transportation GmbH	(72) HENDRIX, Austin
AKTIENGESELLSCHAFT	(72) Wirth, Christian	BOECKER, Moritz
(72) KASSNER, Astrid	Vogelsberger, Markus	SOMERS, Robert, Edward
HENNING, Matthias	(31) 102019220169	(31) 201715674098
SCHMIDT, Norwin	(32) 19.12.2019	(32) 10.08.2017
(31) 102018203927	(33) Germany	(33) United States of America
(32) 15.03.2018	(51) B60L 15/20	(51) B60L 50/53
(33) Germany	B60K 1/02	H02J 7/14
(51) B60L 1/00	B60K 6/48	H02J 7/34
(11) EP3868596	B60L 50/16	B60L 15/00
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(47) 06.09.2023	(21) EP19761966.1	B60L 9/22
(22) 11.02.2021	(47) 06.09.2023	B60L 7/16
(54) SYSTEM FOR MANAGING AN	(87) IB2019056092	B60L 3/04
ELECTRIC CHARGING SERVICE IN A	23.01.2020	H02J 7/00
VEHICLE AND VEHICLE SUPPLYING	(22) 17.07.2019	H01M 10/48
AN ELECTRIC CHARGING SERVICE	(54) ENDOTHERMIC/ELECTRIC HYBRID	B60L 3/00
(73) Seat, S.A.	PROPULSION SYSTEM FOR A	B60L 1/00
(72) ÁLVAREZ NIETO, Mario	VEHICLE	(11) EP3564062
(31) 202030146	(73) Eldor Corporation S.p.A.	(21) EP17888149.6
(32) 21.02.2020	(72) LUCA, Zai	(47) 06.09.2023
(33) Spain	FORTE, Pasquale	(87) JP2017046273
(51) B60L 1/00	(31) 201800007329	05.07.2018
B60L 50/60	(32) 19.07.2018	(22) 25.12.2017
B60L 58/18	(33) Italy	(54) CIRCUIT SYSTEM FOR RAILROAD
(11) EP4000983	(51) B60L 15/20	VEHICLE
(21) EP21201672.9	B60L 3/10	(73) Kabushiki Kaisha Toshiba
(47) 06.09.2023	(11) EP3665033	Toshiba Infrastructure Systems &
(22) 08.10.2021	(21) EP18752112.5	Solutions Corporation
(54) POWER DEVICE	(47) 06.09.2023	(72) YAMAMOTO, Kohei
(73) Yazaki Corporation	(87) EP2018070741	NISHIMIYA, Sakio
(72) Kominato, Yasuhiro	14.02.2019	MIYAJIRI, Sonoko
Okuda, Sadaharu	(22) 31.07.2018	SATO, Sho
(31) 2020187869		SHIMIZU, Hideyuki
(32) 11.11.2020		YUUKI, Kazuaki

MAKINO, Tomoyuki	(11) EP4155117	ARREDONDO CARDENAS, Raul,
(31) 2016254989	(21) EP22196839.9	Jacinto
(32) 28.12.2016	(47) 06.09.2023	(31) 201862660613 P
(33) Japan	(22) 21.09.2022	(32) 20.04.2018
(51) B60L 50/60	(54) CHARGING CONNECTOR	(33) United States of America
B60L 53/18	(73) Yazaki Corporation	(51) B60L 58/18
B60L 53/67	(72) Hagita, Sho	(11) EP3342629
B60L 53/63	Miyazaki, Yasutaka	(21) EP17202948.0
B60L 5/00	(31) 2021153948	(47) 06.09.2023
(11) EP3770003	(32) 22.09.2021	(22) 22.11.2017
(21) EP20187590.3	(33) Japan	(54) TECHNIQUE FOR VARIABLE
(47) 06.09.2023	(51) B60L 53/30	CONNECTION OF A TRACTION
(22) 24.07.2020	H02G 3/04	ENERGY STORAGE SYSTEM
(54) DECENTRALIZED LMV CHARGING	B62B 3/00	(73) MAN Truck & Bus SE
INFRASTRUCTURE	B62B 3/04	(72) Kratzer, Sebastian
(73) VOLKSWAGEN AG	B63B 5/00	(31) 102016014932
Audi AG	H02J 7/00	(32) 15.12.2016
Dr.Ing. h.c. F. Porsche Aktiengesellschaft	H02J 7/34	(33) Germany
(72) THUM, Maximilian	B62B 5/00	(51) B60L 58/20
(31) 201916521759	(11) EP3611047	(11) EP3683088
(32) 25.07.2019	(21) EP19183906.7	(21) EP19219895.0
(33) United States of America	(47) 06.09.2023	(47) 06.09.2023
(51) B60L 53/14	(22) 02.07.2019	(22) 27.12.2019
B60L 53/16	(54) TRANSPORT DEVICE FOR A MOBILE	(54) VEHICLE POWER SUPPLY SYSTEM
B60L 53/35	CHARGING COLUMN AND MOBILE	(73) Toyota Jidosha Kabushiki Kaisha
B60L 53/36	CHARGING COLUMN SYSTEM	DENSO CORPORATION
B60L 53/18	(73) Volkswagen AG	(72) KIKUCHI, Takaji
B60L 53/30	(72) Wolf, Fabian	FUNAHASHI, Kenji
(11) EP3681755	(31) 102018213613	TOBA, Yuji
(21) EP18768867.6	(32) 13.08.2018	HOSHINO, Daisuke
(47) 06.09.2023	(33) Germany	(31) 2018245011
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21.03.2019	(11) EP3328681	(33) Japan
(22) 10.09.2018	(21) EP16766474.7	(51) B60L 58/20
(54) VEHICLE CONNECTION DEVICE,	(47) 06.09.2023	(11) EP3820733
GROUND CONTACT UNIT, VEHICLE	(87) DE2016200345	(21) EP19739259.0
COUPLING SYSTEM AND METHOD	02.02.2017	(47) 06.09.2023
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CONNECTION OF A VEHICLE	(54) SYSTEM AND METHOD FOR	16.01.2020
CONTACT UNIT WITH A GROUND	SUPPLYING ENERGY TO AN	(22) 09.07.2019
CONTACT UNIT	ELECTRICAL CONSUMER AND AN	(54) MULTI-VOLTAGE BATTERY DEVICE
(73) Easelink GmbH	ENERGY STATION	AND ELECTRICAL SYSTEM FOR A
(72) LEIBETSEDER, Manuel	(73) POWERJames GmbH	MOTOR VEHICLE
STOCKINGER, Hermann	(72) STECKENBORN, Thomas	(73) Vitesco Technologies GmbH
LAUBLAETTNER, Manuel	GANTER, Axel	(72) ASCHENBRENNER, Tobias
(31) 102017121105	MOSSLER, Jonas Carl	LAUER, Stefan
(32) 12.09.2017	(31) 102015214164	(31) 102018211582
(33) Germany	(32) 27.07.2015	(32) 12.07.2018
(51) B60L 53/16	(33) Germany	(33) Germany
B60L 53/18	(51) B60L 53/80	(51) B60N 2/02
B60L 53/302	B60L 58/18	B60N 2/427
(11) EP3770005	B60L 50/60	B60N 2/42
(21) EP19188262.0	H01M 10/48	B60R 21/0132
(47) 06.09.2023	G01R 31/392	B60R 21/0134
(22) 25.07.2019	G01R 31/3842	B60R 21/015
(54) ELECTRICAL VEHICLE CHARGING	(11) EP3781431	B60N 2/00
SYSTEM FOR CHARGING AN	(21) EP19722406.6	(11) EP3849840
ELECTRICAL VEHICLE	(47) 06.09.2023	(21) EP18769678.6
(73) ABB E-mobility B.V.	(87) US2019028283	(47) 06.09.2023
(72) Bortolato, Matteo	24.10.2019	(87) EP2018074777
Boehm, Moritz	(22) 19.04.2019	19.03.2020
Logakis, Emmanuel	(54) SYSTEM AND METHOD FOR BATTERY	(22) 13.09.2018
Hemrle, Jaroslav	SELECTION	(54) DYNAMIC BACKWARD SEAT SLIDING
Garcia-Ferre, Francisco	(73) CPS Technology Holdings LLC	AFTER IMPACT IN A COMMERCIAL
Opplinger, Jean-Marc	(72) JIN, Zhihong, H.	VEHICLE
(51) B60L 53/16	BALLO, Michael, Thomas	(73) VOLVO TRUCK CORPORATION
H01R 13/443	ZHANG, Zhenli	(72) RIBERO, Raphaël
B60L 53/10	DIAZ MARTINEZ, Diego, Hernan	

PARTARRIEU, Thomas	(33) France	(87) FR2018050410
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(47) 06.09.2023	B60R 21/055	STRUCTURAL REINFORCEMENT
(87) EP2020057403	(11) EP3647110	(73) PSA Automobiles SA
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(54) END CAP FOR A RAIL AND LENGTH	(22) 16.10.2019	(32) 08.03.2017
ADJUSTER	(54) IMPACT BRACKET STRESS-	(33) France
(73) Adient US LLC	DEFORMATION RELEASE	(51) B60P 3/22
(72) QUAST, Ingo	MECHANISM	B60H 1/32
SPRENGER, Erik	(73) Safran Seats USA LLC	F02G 5/00
TURAN, Turgay	(72) HERNANDEZ, Juan	(11) EP3548333
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Germany	(33) United States of America	(54) CARGO TRANSPORT HEATING
(51) B60N 2/08	(51) B60N 2/68	SYSTEM
B60N 2/07	B60N 2/70	(73) Carrier Corporation
(11) EP3812206	B60N 2/42	(72) SWAB, Michael Thomas
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(22) 16.07.2019	(87) EP2016071319	(11) EP3838668
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(73) Delta Kogyo Co., Ltd.	(22) 09.09.2016	(47) 06.09.2023
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(31) 2018149724	THEREOF	(73) König, Reinhold
(32) 08.08.2018	(73) Adient US LLC	(72) König, Reinhold
(33) Japan	(72) OUEENNA, Loutfi	(31) 102019134494
(51) B60N 2/28	LEPAGE, Rémy	(32) 16.12.2019
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(54) CHILD SAFETY SEAT	Germany	(11) EP3971030
(73) Wonderland Switzerland AG	(51) B60N 2/809	(21) EP21185054.0
(72) Mason, Kyle S.	B60N 2/838	(47) 06.09.2023
Ma, Andrew	B60N 2/894	(22) 12.07.2021
Lehman, David A.	B60N 2/64	(54) TRAILER FOR TRANSPORTING
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(47) 06.09.2023	HEADREST AND INTEGRATED REAR	F21V 7/10
(87) FR2019052556	SEAT AIRBAG	F21S 41/32
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A SEAT	(33) United States of America	F21S 43/19
(73) PSA Automobiles SA	(51) B60N 3/06	F21S 43/20
(72) DAHLEM, Jean Luc	B62D 21/15	F21S 43/31
GEORGE, Vincent	B62D 25/08	F21S 43/40
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(87) US2018053399	(32) 28.09.2016	OKANO, Satoshi
04.04.2019	(33) Japan	(31) 2020191012
(22) 28.09.2018	(51) B60R 11/04	(32) 17.11.2020
(54) REFLECTOR LAMP	B60R 1/00	(33) Japan
(73) Flex-N-Gate Advanced Product	H04N 7/18	(51) B60R 21/11
Development, LLC	H04N 23/51	E02F 9/16
(72) NYKERK, Todd	H04N 23/54	(11) EP4046878
SULLIVAN, Les	H04N 23/55	(21) EP22157739.8
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29.09.2017	(21) EP20158385.3	MACHINE CABIN
(33) United States of America	(47) 06.09.2023	(73) Echle Hartstahl GmbH
United States of America	(22) 20.02.2020	(72) ECHLE, Lothar
(51) B60Q 3/51	(54) CAMERA MODULE FOR A VEHICLE	(31) 102021104167
B60Q 3/64	(73) Veoneer Sweden AB	(32) 22.02.2021
B60Q 1/26	(72) MAFTEI, Alexandru	(33) Germany
B60Q 1/30	NITA, Ovidiu	(51) B60R 22/48
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(33) Germany	(73) Yazaki Corporation	MALINOWSKI, Arkadiusz
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CONTROLLER, CAMERA MONITORING	(73) MAZDA MOTOR CORPORATION	B60S 1/56
SYSTEM, AND MOVING BODY	(72) MUKAIGAWA, Kosuke	F16K 11/02
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(72) SUNAGA Toshihiro	NAKAMURA, Satoshi	

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TO COUPLED CARS OF A RAIL	B60W 20/00	SERVICE FIELDS
VEHICLE	B60W 30/188	(73) Bayerische Motoren Werke
(73) Harting Electric GmbH & Co. KG	A01D 34/56	Aktiengesellschaft
(72) FERDERER, Albert	A01D 34/58	BMW Brilliance Automotive Ltd.
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(73) Siemens Mobility GmbH	(31) 102019121649	(51) B61L 25/02
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(72) DEMILLY, Charles	(73) CRRG Changchun Railway Vehicles Co., Ltd.	(72) ERB, Frank
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(73) Veltek Associates, INC.	B62D 5/04	A USER IN THE HANDLING OF A
(72) CHURCHVARA, Jeffrey	B62D 15/02	PREDETERMINED OBJECT, MOTOR
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B62D 1/183	(51) B62D 7/04	FOR VEHICLE, AND VEHICLE
B62D 5/00	B62D 7/15	(73) MAZDA MOTOR CORPORATION
B62D 6/00	B62D 11/04	(72) NARAHARA, Takashi
B62D 15/02	(11) EP4001057	SHIBUTAKE, Nobuyuki
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MOTOR VEHICLE IN A TRAFFIC LANE	B60W 50/14	YOSHIURA, Reiko
(73) Renault s.a.s	B60W 50/00	SHIMADA, Tomohiro
Nissan Motor Co., Ltd.	B60W 40/09	TAKESHIGE, Kazumichi
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EGUCHI, Satoru	(51) B62D 35/00	Germany
MIYAZAKI, Hayato	F15D 1/12	Germany
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(51) B62D 35/00	Spolka Jawna	(73) Casagrande, Gilberto
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(54) TRAILER FAIRING AND SYSTEM	B62D 65/18	B62J 9/12
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(47) 06.09.2023	FRASCH, Benny	(72) SENOKUCHI Yuta
(22) 28.10.2021	WEIDLE, Martin	KITAMURA Ryohei
(54) SYSTEM AND APPARATUS FOR	BAYHA, Johannes	HATTORI Makoto
INCREASING DOWNWARD FORCE	BELL, Stefano	NAKAMURA Kazunobu
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KIYONO, Koji	(54) OUTBOARD MOTOR	SUCH AS A FLAP OR A WING OF AN
SHIONO, Kenta	(73) YAMAHA HATSUDOKI KABUSHIKI	AIRCRAFT
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(33) Japan	(31) 2019136966	Ewald, Jörn
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(73) Leonardo S.p.a.	(54) CARGO HOLD LOADING AND	SPRING ASSEMBLIES
(72) PODDA, Daniele	STORAGE DEVICES, SYSTEMS, AND	(73) Koninklijke Fabriek Inventum B.V.
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POGGI, Stefano	(73) Airbus Operations GmbH	(31) 202016817250
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(47) 06.09.2023	B65D 90/00	B65G 43/00
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(22) 04.07.2017	(47) 06.09.2023	(21) EP20736244.3
(54) SINGLE-PORTION PACKAGE, USE,	(87) KR2019009377	(47) 06.09.2023
AND PREPARATION MACHINE	19.03.2020	(87) AT2020060207
(73) Freezio AG	(22) 29.07.2019	26.11.2020
(72) MÜHLEMANN, Rolf	(54) FOLDABLE CONTAINER FOLDING	(22) 20.05.2020
(31) 8742016	DEVICE, AUTOMATIC FOLDING	(54) OVERHEAD CONVEYING SYSTEM
(32) 07.07.2016	SYSTEM COMPRISING SAME,	AND METHOD FOR DETERMINING
(33) Switzerland	METHOD OF FOLDING A FOLDABLE	THE THICKNESS OF A HANGING BAG
(51) B65D 85/804	CONTAINER	(73) TGW Mechanics GmbH
A47J 31/36	(73) Korea Railroad Research Institute	(72) REISCHL, Josef
(11) EP2870081	(72) KIM, Hag Seoung	(31) 504712019
(21) EP13739869.9	LEE, Suk	(32) 22.05.2019
(47) 06.09.2023	KIM, Young Joo	(33) Austria
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METHODS FOR ITS MANUFACTURE	B61D 17/18	(11) EP3670395
AND FOR PREPARING A BEVERAGE	F16L 59/02	(21) EP19215885.5
(73) Koninklijke Douwe Egberts B.V.	(11) EP3650371	(47) 06.09.2023
(72) SANDERS, Johannes Cornelis	(21) EP17916861.2	(22) 13.12.2019
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(32) 05.07.2012	(87) UA2017000114	REMOVABLE CONVEYOR UNIT AND
(33) Netherlands	10.01.2019	METHOD
(51) B65D 88/12	(22) 20.11.2017	(73) MULTIVAC Marking & Inspection GmbH
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B65D 90/18	(73) Rabizo, Ivan Georgievich	(31) 10201822579
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(51) B65G 21/18	(51) B65G 47/52	(73) INVISTA Textiles (U.K.) Limited
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(54) A CONVEYOR AND A CONVEYING SYSTEM	(21) EP15854039.3	B65D 25/00
(73) Ambaflex International B.V.	(47) 06.09.2023	(11) EP3887293
(72) Balk, Wouter	(87) US2015053554	(21) EP19813756.4
Broers, Johannes Wilhelmus	06.05.2016	(47) 06.09.2023
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(47) 06.09.2023	(72) RAGAN, Bryant G.	(54) STORAGE CONTAINER FOR AUTOMATED STORAGE AND RETRIEVAL SYSTEM
(22) 22.05.2020	LAGNEAUX, Jason M.	(73) AUTOSTORE TECHNOLOGY AS
(54) DEVICE FOR ADJUSTING A GUIDE WIDTH OF A CONVEYOR	CRONVICH, James T.	(72) AUSTRHEIM, Trond
(73) KRONES AG	(31) 201462073580 P	GRUENBECK, Uwe
(72) Buchner, Christian	(32) 31.10.2014	(31) 20181530
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(51) B65G 21/20	(21) EP20163164.5	B65G 47/52
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(11) EP3571145	(22) 13.03.2020	(21) EP21214865.4
(21) EP18743397.4	(54) PASSIVE CLAMP DEVICE, ONE-PIECE PASSIVE CLAMP AND CONTAINER HANDLING APPARATUS	(47) 06.09.2023
(47) 06.09.2023	(73) KRONES AG	(22) 15.12.2021
(87) EP2018066420	(72) Gloetzi, Reiner	(54) SYSTEM FOR TRANSFERRING ITEMS
03.01.2019	Landler, Bruno	(73) FIVES SYLEPS
(22) 20.06.2018	(31) 102019106377	(72) Le CORRE, Yves
(54) DRIVE DEVICE, DRIVE ELEMENT, AND CONVEYOR WAGON DRIVE	(32) 13.03.2019	(31) 2013825
(73) Interroll Holding AG	(33) Germany	(32) 21.12.2020
(72) EISINGER, Thomas	(51) B65G 47/90	(33) France
DROSTE, Heinrich	B25J 15/00	(51) B65G 69/18
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(32) 30.06.2017	B25J 15/08	(21) EP20168809.0
(33) Germany	B65G 47/91	(47) 06.09.2023
(51) B65G 43/08	B65G 59/00	(22) 08.04.2020
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(11) EP3786090	B25J 9/16	(73) BAUER Resources GmbH
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(54) SYSTEM FOR TRANSPORTING GOODS	(21) EP19159667.5	B65D 90/58
(73) ContiTech Transportbandsysteme GmbH	(47) 06.09.2023	B65D 47/26
(72) Raffler, Patrick	(22) 27.02.2019	(11) EP3541730
(31) 102019212901	(54) CONVEYANCE APPARATUS, CONVEYANCE SYSTEM AND CONVEYANCE METHOD	(21) EP17812117.4
(32) 28.08.2019	(73) Kabushiki Kaisha Toshiba	(47) 06.09.2023
(33) Germany	Toshiba Infrastructure Systems & Solutions Corporation	(87) US2017061934
(51) B65G 47/244	(72) Nakamoto, Hideichi	24.05.2018
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(47) 06.09.2023	(33) Japan	(72) FEILER, Thaddeus Hans
(87) JP2019050605	(51) B65G 53/26	WEILAGE, Hope Emily
01.07.2021	B65G 53/40	DOBIZL, Kenneth Thomas
(22) 24.12.2019	(11) EP3749599	D'HEILLY, Michael Henry
(54) CENTERING DEVICE FOR OBJECTS TO BE CONVEYED, AND PACKAGING DEVICE FOR PACKAGING MATERIALS EQUIPPED WITH SAME	(21) EP19707944.5	MILLNER, Nathan John
(73) OAK TECK INC.	(47) 06.09.2023	(31) 201662424795 P
(72) OYAMA Akio	(87) US2019017176	(32) 21.11.2016
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	(22) 08.02.2019	(51) B65H 11/00

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B65H 5/14	(54) WINDING MACHINE FOR SPOOLS OF	(11) EP3722236
B65H 9/00	WEB MATERIAL AND METHOD	(21) EP20163272.6
B65H 9/10	(73) A.Celli Nonwovens S.P.A.	(47) 06.09.2023
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(47) 06.09.2023	(32) 11.05.2016	(73) TMT Machinery, Inc.
(87) EP2020079031	(33) Italy	(72) Riyama, Yusuke
14.05.2021	(51) B65H 29/12	Sugiyama, Kenji
(22) 15.10.2020	G03G 21/16	(31) 2019073238
(54) SHEET PROCESSING MACHINE WITH	B65H 31/26	(32) 08.04.2019
AT LEAST ONE SUPPLY SYSTEM,	B65H 7/02	(33) Japan
AND METHOD FOR CONTROLLING	B65H 31/02	(51) B65H 57/00
A SUPPLY SYSTEM OF A SHEET	B41J 11/00	B65H 57/14
PROCESSING MACHINE	B41J 13/08	B65H 57/16
(73) Koenig & Bauer AG	(11) EP3819242	(11) EP3988487
(72) REINSCH, Carsten	(21) EP20204646.2	(21) EP21197420.9
PILZ, Christian	(47) 06.09.2023	(47) 06.09.2023
RIECK, Heike	(22) 29.10.2020	(22) 17.09.2021
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(32) 04.11.2019	CORRESPONDING APPLICATION	(73) TMT Machinery, Inc.
(33) Germany	DEVICE, PRINTER AND SHEET	(72) Tanaka, Shunya
(51) B65H 19/18	CONVEYANCE APPARATUS	Kagata, Kakeru
(11) EP3873836	(73) Ricoh Company, Ltd.	Matsui, Takanori
(21) EP19813987.5	(72) SHIMOJIMA, Kazuhiro	Yonekura, Tosei
(47) 06.09.2023	MATSUSHIMA, Isao	Kobayashi, Shuhei
(87) US2019058879	(31) 2020128923	(31) 2020178073
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(54) SUPPLY OF SHEET STOCK MATERIAL	09.11.2019	(51) B65H 57/00
FOR A DUNNAGE CONVERSION	(33) Japan	B65H 57/14
MACHINE AND A METHOD OF	Japan	B65H 57/16
CONVERTING SAME INTO A	(51) B65H 49/12	(11) EP3988488
DUNNAGE PRODUCT	B65H 67/02	(21) EP21197422.5
(73) Ranpak Corp.	B65H 69/06	(47) 06.09.2023
(72) CHEICH, Robert C.	(11) EP3771673	(22) 17.09.2021
WAGNER, Dennis J.	(21) EP20188118.2	(54) YARN WINDER
STINARD, Brian	(47) 06.09.2023	(73) TMT Machinery, Inc.
VAN OOL, Hugo	(22) 28.07.2020	(72) Yonekura, Tosei
HANSSSEN, Leon	(54) PEG, PACKAGE EXCHANGING	Tanaka, Shunya
TIMMERS, Mike	DEVICE, AND YARN PROCESSING	(31) 2020178038
(31) 201962906506 P	SYSTEM	(32) 23.10.2020
201862753222 P	(73) TMT Machinery, Inc.	(33) Japan
(32) 26.09.2019	(72) YAMAMOTO, Masato	(51) B65H 59/38
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(21) EP19212787.6	B65H 51/16	(22) 27.02.2020
(47) 06.09.2023	(11) EP3601126	(54) TENSIONING DEVICE FOR A CABLE-
(22) 02.12.2019	(21) EP18717723.3	BOUND ENERGY AND / OR DATA
(54) METHOD AND DEVICE FOR SPLICING	(47) 06.09.2023	TRANSMISSION ROUTE
A FIRST AND A SECOND FILM	(87) NL2018050190	(73) Deere & Company
COMPOSITE	04.10.2018	(72) PFAFFMANN, SIMON
(73) Bundesdruckerei GmbH	(22) 28.03.2018	TARASINSKI, NICOLAI
(72) Sengstock, Norbert	(54) CREEL BOBBIN BRAKE, CREEL	KEGEL, VOLKER
Märtens, Detlef	BOBBIN ASSEMBLY, A CREEL AND A	DE MORAES BOOS, FELIPE
(31) 102018130674	CREEL METHOD	DAUBERMANN, JULIAN
(32) 03.12.2018	(73) VMI Holland B.V.	(31) 102019202826
(33) Germany	(72) SMITS, Marcel	(32) 01.03.2019
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(51) B65H 63/06 G01N 21/89 G01N 33/36 G01N 21/952 (11) EP3878785 (21) EP21160176.0 (47) 06.09.2023 (22) 02.03.2021 (54) YARN MONITORING DEVICE AND YARN WINDING MACHINE (73) Murata Machinery, Ltd. (72) Kawabata, Satoshi (31) 2020040991 (32) 10.03.2020 (33) Japan	(31) 201810447898 (32) 11.05.2018 (33) China <hr/> (51) B66B 5/00 (11) EP3718941 (21) EP17933672.2 (47) 06.09.2023 (87) JP2017042973 06.06.2019 (22) 30.11.2017 (54) ELEVATOR CONTROL DEVICE, ELEVATOR, AND ELEVATOR CONTROL METHOD (73) Hitachi, Ltd. Hitachi Building Systems Co., Ltd. (72) TORIYABE Jun SAITO Yuki NAKATA Masahiro NAGANUMA Kazuto YASUOKA Masato TERUNUMA Atsushi	(31) 201610610017 (32) 29.07.2016 (33) China <hr/> (51) B66C 1/10 (11) EP4015433 (21) EP21211855.8 (47) 06.09.2023 (22) 02.12.2021 (54) LOAD SUSPENSION DEVICE AND LIFTING DEVICE (73) BETA Maschinenbau GmbH & Co. KG (72) Koehn, André (31) 102020215896 (32) 15.12.2020 (33) Germany <hr/> (51) B66C 1/10 B66C 1/62 B66C 13/08 (11) EP3514098 (21) EP18811120.7 (47) 06.09.2023 (87) CN2018085815 31.05.2019 (22) 07.05.2018 (54) HANGING BEAM AND LIFTING DEVICE (73) Jiangsu Goldwind Science & Technology Co., Ltd. (72) GE, Zhongyuan FANG, Jing (31) 201711164414 (32) 21.11.2017 (33) China
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C03C 14/00	(73) Cosentino Research & Development,	C07C 9/08
E04C 2/04	S.L.	B01D 3/00
C04B 33/04	(72) ÁLVAREZ DE DIEGO, Javier	B01D 3/14
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(73) Celgene Quantical Research, Inc.	FAHRAEUS, Robin	(72) MORLEY, Andrew
(72) CHEN, Young K.	DASKALOGIANNI, Chrysoula	MILLER, Rebecca
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KATO Noriyuki	(72) YOSHIOKA, Hiroki	GRIGNARD, Bruno
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COMPOSITIONS WITH HIGH HEAT	(73) NOF Corporation	HONG, Sung Hun
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(72) CHAJDA, Dominika Beata	(73) Bridgestone Corporation	C08K 5/51
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ARTICLE	COMPOSITION AND MOLDED	RAMALINGAM, Hariharan
(73) Toray Industries, Inc.	ARTICLE	HOOGLAND, Gabrie
(72) MIYAMOTO, Kohei	(73) Mitsubishi Engineering-Plastics	JIANG, Siguang
TOJO, Yusuke	Corporation	SHEN, Liang
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C08G 64/06	(54) THERMOPLASTIC RESIN	(47) 06.09.2023
C08K 5/00	COMPOSITION AND MOLDED	(87) EP2019070152
C08K 5/134	ARTICLE USING SAME	20.02.2020
C08K 5/526	(73) Lotte Chemical Corporation	(22) 26.07.2019
(11) EP3744791	(72) KIM, Doo Young	(54) PROCESS OF MAKING SILICONE-IN-
(21) EP19743561.3	KWON, Keehae	WATER EMULSIONS
(47) 06.09.2023	PARK, Jungeun	(73) BASF SE
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01.08.2019	(32) 05.12.2017	KNISCHKA, Ralf
(22) 18.01.2019	(33) Korea (Republic)	GERNANDT, Andreas
(54) POLYCARBONATE RESIN	<hr/>	AUSCHRA, Clemens
COMPOSITION, PRODUCTION	(51) C08L 71/02	(31) 18188812
METHOD THEREFOR, AND OPTICAL	C08L 83/04	(32) 14.08.2018
LENS	(11) EP3336146	(33) European Patent Office (EPO)
(73) MITSUBISHI GAS CHEMICAL	(21) EP16204955.5	<hr/>
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(72) SHIRATAKE, Munenori	(22) 19.12.2016	C09D 17/00
ISHIHARA, Kentaro	(54) CURABLE COMPOSITION WITH	C09D 133/14
HIROSE, Koji	IMPROVED MECHANICAL	C08G 18/08
IKEDA, Shinya	PROPERTIES AND HIGH	C08G 18/10
KATO, Noriyuki	TRANSPARENCY	C08G 18/32
KONDO, Mitsuteru	(73) Henkel AG & Co. KGaA	C08G 18/34
SUZUKI, Shoko	(72) DAMKE, Jan-Erik	C08G 18/42
OSHIMA, Kensuke	DESPOTOPOULOU, Christina	C08G 18/66
NAGAYAMA, Shuya	BÄTZGEN, Ralf	C08G 18/67
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(33) Japan	(51) C08L 79/08	C08F 290/06
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C08K 5/42	C08L 67/02	(11) EP4004126
	C08L 69/00	(21) EP20737500.7

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(87) EP2020070032	MASUDA, Satoshi	C08G 12/00
04.02.2021	TANAKA, Hideyuki	C09D 11/326
(22) 15.07.2020	(31) 2016131989	D06P 1/44
(54) MIXER SYSTEM FOR PRODUCING	(32) 01.07.2016	D06P 1/52
AQUEOUS COATING MATERIALS	(33) Japan	(11) EP3642287
WITH LOW VOC	(51) C09D 11/101	(21) EP18731449.7
(73) BASF Coatings GmbH	B41J 2/01	(47) 06.09.2023
(72) STEFFENS, Alexandra	B41J 2/17	(87) EP2018065946
LETTMANN, Bernhard	B41M 5/00	27.12.2018
RADEMACHER, Josef	C09D 11/033	(22) 15.06.2018
HOFFMANN, Peter	C09D 11/107	(54) AQUEOUS DISPERSION OF
(31) 19189314	C09D 11/326	POLYMERIC CAPSULES
(32) 31.07.2019	C09D 11/36	(73) AGFA-GEVAERT NV
(33) European Patent Office (EPO)	C09D 11/30	(72) DESMET, Tim
(51) C09D 5/02	C09D 11/38	LOCCUFIER, Johan
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C08G 18/08	(47) 06.09.2023	B43K 8/02
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C08G 18/24	23.03.2017	(21) EP18720336.9
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C08G 18/34	(54) INK COMPOSITION, PROCESS FOR	(87) FR2018050952
C08G 18/66	PRODUCING SAME, AND INK-JET	25.10.2018
C08G 18/42	INK SET AND INK-JET PRINTING	(22) 16.04.2018
C08G 18/75	SYSTEM BOTH INCLUDING SAID INK	(54) DRY ERASE INK WITH IMPROVED
C08G 18/67	COMPOSITION	DRYING TIME
(11) EP4004125	(73) Maxell, Ltd.	(73) Soci�t� BIC
(21) EP20737497.6	(72) NISHIMOTO, Tomohisa	(72) BETHOUART, Carine
(47) 06.09.2023	NISHIMURA, Yoshiro	LEFEBVRE, Philippe
(87) EP2020070019	NAKAYAMA, Masaru	DEBRAUWER, Christelle
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(54) MIXING SYSTEM FOR PREPARING	(32) 14.09.2015	(33) France
LOW VOC AQUEOUS COATING	(33) Japan	(51) C09D 11/322
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(73) BASF Coatings GmbH	B33Y 70/00	C09D 11/38
(72) STEFFENS, Alexandra	C09D 11/38	(11) EP3406677
LETTMANN, Bernhard	C09D 11/03	(21) EP18168999.3
RADEMACHER, Josef	C08G 61/12	(47) 06.09.2023
HOFFMANN, Peter	C08L 65/00	(22) 24.04.2018
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(32) 31.07.2019	C08K 5/00	(73) Riso Kagaku Corporation
(33) European Patent Office (EPO)	(11) EP3705541	(72) Shimura, Shinichiro
(51) C09D 5/16	(21) EP19863116.0	Endo, Toshihiro
C09D 7/40	(47) 06.09.2023	Ando, Kazuyuki
C09D 7/61	(87) KR2019012205	(31) 2017102374
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C08K 5/3445	(22) 20.09.2019	(33) Japan
C08K 3/22	(54) THREE-DIMENSIONAL PRINTING	(51) C09D 11/328
C09D 133/06	INK COMPRISING PHTHALONITRILE	B41J 2/01
(11) EP3480267	OLIGOMER	B41J 2/175
(21) EP16907368.1	(73) LG CHEM, LTD.	B41M 5/00
(47) 06.09.2023	(72) KIM, Youngdae	C09D 11/40
(87) JP2016083813	SHIN, Bu Gon	D06P 1/52
04.01.2018	KIM, Sang Woo	D06P 5/30
(22) 15.11.2016	LEE, Seunghee	(11) EP3647382
(54) ANTIFOULING COATING MATERIAL	KHO, Eun Ho	(21) EP18824217.6
COMPOSITION, ANTIFOULING	(31) 20180114413	(47) 06.09.2023
COATING FILM, SUBSTRATE	20180114412	(87) JP2018024474
PROVIDED WITH ANTIFOULING	(32) 21.09.2018	03.01.2019
COATING FILM AND PRODUCTION	21.09.2018	(22) 27.06.2018
METHOD THEREFOR, AND	(33) Korea (Republic)	(54) INKJET INK FOR TEXTILE PRINTING,
ANTIFOULING METHOD	Korea (Republic)	INK CARTRIDGE, INK SET, AND
(73) Chugoku Marine Paints, Ltd.	(51) C09D 11/102	INKJET TEXTILE PRINTING METHOD
(72) NIIMOTO, Jyunji	D06P 5/30	(73) FUJIFILM Corporation

(72) KODAMA Kunihiko USHIJIMA Kenta FUJIE Yoshihiko MIZUMURA Masatoshi OHMOTO Makoto HARA Minako MAKUTA Toshiyuki	H02G 7/16 (11) EP3529323 (21) EP17862328.6 (47) 06.09.2023 (87) US2017057675 26.04.2018 (22) 20.10.2017 (54) DURABLE COATING COMPOSITIONS AND COATINGS FORMED THEREOF	SAKURAI, Issei (31) 19191135 (32) 09.08.2019 (33) European Patent Office (EPO)
(31) 2018121344 2017125420 (32) 26.06.2018 27.06.2017 (33) Japan Japan	(73) General Cable Technologies Corporation Novota Industries (72) RANGANATHAN, Sathish, Kumar SIRIPURAPU, Srinivas PATIL, Satish, Narayan CHAUDHARI, Rajendra Yashwant	(51) C09G 1/04 C09K 3/14 B24B 37/04 B24B 37/00 C09G 1/02 H01L 21/304 (11) EP3406684 (21) EP16886507.9 (47) 06.09.2023 (87) JP2016087604 27.07.2017 (22) 16.12.2016 (54) POLISHING COMPOSITION AND METHOD FOR POLISHING SILICON SUBSTRATE
(51) C09D 11/54 C09D 11/38 C09D 11/40 C09D 11/322 B41J 2/01 B41M 5/00	(31) 201662410699 P (32) 20.10.2016 (33) United States of America	(11) EP3406684 (21) EP16886507.9 (47) 06.09.2023 (87) JP2016087604 27.07.2017 (22) 16.12.2016 (54) POLISHING COMPOSITION AND METHOD FOR POLISHING SILICON SUBSTRATE
(11) EP3653679 (21) EP18832273.9 (47) 06.09.2023 (87) JP2018026566 17.01.2019 (22) 13.07.2018 (54) INK SET AND METHOD FOR PRODUCING PRINTED MATTER (73) Toyo Ink SC Holdings Co., Ltd. Toyocolor Co., Ltd.	(51) C09D 133/08 B05D 1/36 C09D 5/00 C09D 7/20 C09D 7/42 C09D 7/61 C09D 133/14 B05D 5/02 B05D 7/00 C08F 220/20 C09D 7/62 C08G 18/08 C09D 175/04 C08G 18/62 C08G 18/79 B05D 1/04 C08K 3/36 C08K 9/04	(73) Fujimi Incorporated (72) TSUCHIYA, Kohsuke ICHITSUBO, Taiki TANSHO, Hisanori SUGA, Yusuke (31) 2016007810 (32) 19.01.2016 (33) Japan
(72) OKAMOTO Mayuko YODA Atsushi SUZUKI Norio JONAI Kazuhiro	C08F 220/20 C09D 7/62 C08G 18/08 C09D 175/04 C08G 18/62 C08G 18/79 B05D 1/04 C08K 3/36 C08K 9/04	(51) C09J 5/02 B32B 25/14 B32B 25/12 B32B 25/10 B32B 15/08 B32B 7/06 B32B 5/02 B32B 7/12 C09J 121/00 C09J 107/00 C09J 4/00 C08F 2/48 C09J 7/10 H01L 23/00 (11) EP3160734 (21) EP15814784.3 (47) 06.09.2023 (87) US2015038290 07.01.2016 (22) 29.06.2015 (54) IMPROVED ADHESIVE BONDING COMPOSITION AND METHOD OF USE
(31) 2017137568 (32) 14.07.2017 (33) Japan	(11) EP3892693 (21) EP19892461.5 (47) 06.09.2023 (87) JP2019036208 11.06.2020 (22) 13.09.2019 (54) COATING COMPOSITION (73) Kansai Paint Co., Ltd (72) MURATA, Hiroshi UOZUMI, Toru OMURA, Masahiro	(31) 2016007810 (32) 19.01.2016 (33) Japan
(51) C09D 11/54 C09D 11/40 C09D 11/38 C09D 11/322 C09D 11/326 C09D 11/106 C09D 11/107 B41J 2/01 B41M 5/00	(31) 2018230226 (32) 07.12.2018 (33) Japan	(51) C09J 5/02 B32B 25/14 B32B 25/12 B32B 25/10 B32B 15/08 B32B 7/06 B32B 5/02 B32B 7/12 C09J 121/00 C09J 107/00 C09J 4/00 C08F 2/48 C09J 7/10 H01L 23/00 (11) EP3160734 (21) EP15814784.3 (47) 06.09.2023 (87) US2015038290 07.01.2016 (22) 29.06.2015 (54) IMPROVED ADHESIVE BONDING COMPOSITION AND METHOD OF USE
(11) EP3653678 (21) EP18831299.5 (47) 06.09.2023 (87) JP2018026564 17.01.2019 (22) 13.07.2018 (54) INK SET AND METHOD FOR PRODUCING PRINTED MATTER (73) Toyo Ink SC Holdings Co., Ltd. Toyocolor Co., Ltd.	(51) C09D 183/04 H01L 21/31 H01B 3/46 (11) EP4010441 (21) EP20749911.2 (47) 06.09.2023 (87) EP2020072072 18.02.2021 (22) 06.08.2020 (54) LOW DIELECTRIC CONSTANT SILICEOUS FILM MANUFACTURING COMPOSITION AND METHODS FOR PRODUCING CURED FILM AND ELECTRONIC DEVICE USING THE SAME	(73) Immunolight, LLC. (72) FATHI, Zakaryae BOURKE, Frederic A. Jr. WALDER, Harold (31) 201462018915 P (32) 30.06.2014 (33) United States of America
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(54) NOVEL ADHESIVE WITH SUBSTRATE COMPATIBILIZING PARTICLES	(54) ADHESIVE COMPOSITION AND PROTECTIVE FILM USING SAME	PRODUCT, AND MANUFACTURING METHOD THEREFOR
(73) Palo Alto Research Center Incorporated	(73) LG CHEM, LTD.	(73) POSCO Co., Ltd
(72) IFTIME, Gabriel	(72) KIM, Yeo Ju	(72) KIM, Jung Woo
RIVEST, Jessica Louis Baker	KIM, Han Soo	KIM, Ji Hyun
JOHNSON, David Mathew	KIM, Kee Young	KIM, Jae Song
WEI, Junhua	KIM, Yoon Jung	KIM, Jae Hoon
BEH, Eugene Shin Ming	HONG, Sang Hyun	(31) 20150183226
(31) 201816042627	(31) 20170181622	(32) 21.12.2015
(32) 23.07.2018	(32) 27.12.2017	(33) Korea (Republic)
(33) United States of America	(33) Korea (Republic)	(51) C09K 5/06
(51) C09J 109/02	(51) C09J 183/04	(11) EP4127093
B29C 48/25	C09J 7/38	(21) EP21719714.4
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C09J 7/38	(21) EP18797382.1	(87) IB2021052444
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(87) EP2018082402	(22) 17.10.2018	PHASE CHANGE MATERIAL FOR LOW
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(54) PRODUCING A PRESSURE-SENSITIVE	EMITTING DIODE USING A PRESSURE	(72) ROSSO, Mariacristina
ADHESIVE MASS ON THE BASIS OF	SENSITIVE ADHESIVE COMPOSITION	NEGRISOLO, Francesco
ACRYLONITRILE-BUTADIENE RUBBER	(73) Dow Silicones Corporation	GROPPALLI, Luciano
(73) TESA SE	(72) JANG, Wonbum	(31) 202000006250
(72) SCHÖNROCK, Julia	KIM, Bo-Kyung	(32) 25.03.2020
HEITMANN, Rolf	HAN, Kyung Dong	(33) Italy
KANTARCI, Attilia	(31) 201762574344 P	(51) C09K 5/06
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(33) Germany	(51) C09J 191/00	(47) 06.09.2023
(51) C09J 125/04	A61L 24/00	(87) IB2021052445
C09J 191/00	A61L 24/02	30.09.2021
C08L 53/02	A61L 24/06	(22) 24.03.2021
C08L 25/04	(11) EP2970729	(54) INERT MIXTURE AND ITS USE AS
C08L 91/00	(21) EP14782366.0	PHASE CHANGE MATERIAL FOR HIGH
C09J 11/06	(47) 06.09.2023	TEMPERATURE APPLICATIONS
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C09J 153/02	16.10.2014	(72) ROSSO, Mariacristina
C09K 3/10	(22) 14.03.2014	NEGRISOLO, Francesco
F21S 45/50	(54) ADHESIVE COMPOSITION	GROPPALLI, Luciano
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(54) HOT-MELT COMPOSITION AND	(51) C09J 201/00	C23F 11/12
SEALING MATERIAL	C09J 11/08	C23F 11/14
(73) Asahi Chemical Synthetic Co., Ltd.	C09J 11/04	(11) EP3548581
(72) KUMON, Daisuke	B32B 7/12	(21) EP17817551.9
NAKAGAWA, Akito	B32B 15/04	(47) 06.09.2023
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(32) 18.10.2018	C21D 1/30	07.06.2018
(33) Japan	C22C 38/02	(22) 30.11.2017
(51) C09J 133/02	C23C 26/02	(54) COMPOSITION FOR REMEDIATING
C09J 133/08	C09D 7/40	IRON SULFIDE IN OILFIELD
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C09J 7/38	(11) EP3395923	(73) ChampionX USA Inc.
C08G 18/62	(21) EP16879112.7	(72) BENNETT, Brian Michael
C08G 18/76	(47) 06.09.2023	SOLOMON, Kim R.
C08F 220/18	(87) KR2016008240	SILVERNAIL, Carter
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(87) KR2018016520	FOR NON-ORIENTED ELECTRICAL	(51) C09K 8/68
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(47) 06.09.2023	DUPONT, Dorian	(72) SASADA, Toshiaki
(87) US2016040295	(31) 16206877	TANAKA, Shin-ya
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(22) 30.06.2016	(33) European Patent Office (EPO)	ASANO, Atsushi
(54) MICROBIAL VISCOSITY BREAKER	(51) C09K 11/06	(51) C09K 19/34
COMPOSITIONS	C07D 209/86	C09K 19/30
(73) Energy Solutions (US) LLC	C07D 213/26	C09K 19/12
(72) JONES, Chris	C07D 333/76	C09K 19/04
MOLINA, Jean	C07D 219/04	(11) EP3763802
SMITH, Francis	C07D 307/91	(21) EP19185360.5
WIGGINS, Henry	H10K 85/60	(47) 06.09.2023
BISHOP, Dru	H10K 101/10	(22) 10.07.2019
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(33) United States of America	C07D 279/26	(72) Manabe, Atsutaka
(51) C09K 8/86	(11) EP3618578	Brocke, Constanze
C09K 8/60	(21) EP18791375.1	Baran, Sven
C09K 8/68	(47) 06.09.2023	Hofmeyer, Sebastian
(11) EP3464508	(87) JP2018016308	Hahn, Alexander
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(47) 06.09.2023	(22) 20.04.2018	(51) C09K 19/54
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(54) SELF-DIVERTING ACIDIZING SYSTEM	HAYASHI, Naoki	C09K 19/12
(73) Energy Solutions (US) LLC	INAKAZU, Shinichi	C09K 19/34
(72) NDONG, Rose	(31) 2017088007	C09K 19/18
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LIN, Genyao	(33) Japan	(21) EP19800960.7
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VILLAFANE, Louis	C07F 15/00	(87) EP2019080037
ZHOU, Jian	C07B 59/00	14.05.2020
RABIE, Ahmed	C07F 5/02	(22) 04.11.2019
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(33) United States of America	(47) 06.09.2023	(72) HAENSEL, Helmut
(51) C09K 11/02	(22) 05.11.2021	MUELLER, Kristin
(11) EP3475387	(54) ORGANOMETALLIC COMPOUND, LIGHT-EMITTING DEVICE INCLUDING ORGANOMETALLIC COMPOUND, AND ELECTRONIC APPARATUS INCLUDING LIGHT-EMITTING DEVICE	SPRANG, Julia
(21) EP17816260.8	(73) Samsung Display Co., Ltd.	(31) 18204855
(47) 06.09.2023	(72) KO, Soobyoung	(32) 07.11.2018
(87) US2017038925	HAN, Junhoon	(33) European Patent Office (EPO)
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(22) 23.06.2017	KANG, Iljoon	C10G 11/18
(54) PHOTOCROMIC WATER	CHO, Dahye	C10G 65/12
HARVESTING PLATFORM	(31) 20200166929	C10G 65/14
(73) Warner Babcock Institute for Green Chemistry, LLC	(32) 02.12.2020	C10G 69/14
(72) WARNER, John, C.	(33) Korea (Republic)	C10G 45/32
CHERUKU, Srinivasa, R.	(51) C09K 11/06	C07C 6/02
TRAKHTENBERG, Sofia	H10K 85/10	C07C 5/393
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C09K 11/56	H10K 50/15	(22) 13.04.2021
C09K 11/70	H10K 101/40	(54) PROCESS CONFIGURATION FOR PRODUCTION OF PETROCHEMICAL FEED-STOCKS
C09K 11/74	(11) EP3680945	(73) Indian Oil Corporation Limited
C09K 11/88	(21) EP17924326.6	(72) KUNCHE BABU, Srinivas
(11) EP3865554	(47) 06.09.2023	BHARAT, Bhushan
(21) EP21166162.4	(87) JP2017032043	SATHEESH, Vetterkunnel Kumaran
(47) 06.09.2023	14.03.2019	BHATTACHARYYA, Debasis
(22) 19.12.2017		
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(73) Picanol	(73) Teijin Limited	ROVELLINI, Marco
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OOSTERLYNCK, Kristof	OSCILLATING UNIT OF A WASHING	(32) 08.11.2017
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(32) 20.06.2019	AND WASHING MACHINE THAT	(51) D06F 37/30
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(72) YILMAZ, Nihal	D06F 103/38	D06F 33/69
GOK, Gulseren Asli	D06F 105/46	D06F 39/08
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(54) WASHING MACHINE	(73) LG Electronics Inc.	BUTZ, Sören

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(54) HOISTING ROPE	ABE, Hiroshi	TO CARRY OUT THE METHOD
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(72) TERVO, Heidi	(72) Laugwitz, Niels	AND ASSOCIATED MANUFACTURING
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(73) Emerson Process Management Valve Automation, Inc.	United Kingdom	(72) BENTE, Jan
(72) LEBLANC, William, Kenneth	United Kingdom	RADANOVIC, Vladimir
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F15B 13/04	(73) NORMA Germany GmbH	(72) MÅNSSON, Peter
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(72) ARCINIEGA, Oviedo	H02K 5/22	(73) NTN Corporation
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(73) Rohr, Inc.	(72) KIM, Yong Joo	F02B 77/11
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F16L 55/128	(72) CAO, Liangliang	(72) CAO, Liangliang
F16L 55/132	HUANG, Yuxin	HUANG, Yuxin
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F16L 55/40	F21S 41/141	F21S 41/141
B29C 35/08	F21K 9/64	F21K 9/64
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(54) OPTICAL DEVICE FOR DETECTING	(87) US2019038712	21.01.2021
VOLATILE COMPOUNDS AND	02.01.2020	(22) 16.07.2020
ASSOCIATED METHOD FOR	(22) 24.06.2019	(54) MULTIPURPOSE MICROFLUIDICS
DETECTING AND QUANTIFYING	(54) SYSTEMS AND METHODS FOR	DEVICES FOR RAPID ON-SITE
VOLATILE COMPOUNDS	NORMALIZING SIGNALS IN BLOOD	OPTICAL CHEMICAL ANALYSIS
(73) Université d'Aix Marseille	CULTURE MEASUREMENT SYSTEMS	(73) Saudi Arabian Oil Company
Centre National de la Recherche	(73) Becton, Dickinson and Company	(72) OW, Hooisweng
Scientifique	(72) PETISCE, James, R.	CHANG, Sehoon
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G16H 50/20	G06T 5/00	G06T 11/00
G01N 33/49	(11) EP3853592	A61B 6/12
G01N 33/86	(21) EP19862167.4	A61B 6/00
G01N 21/27	(47) 06.09.2023	(11) EP3822620
G01N 21/51	(87) US2019052033	(21) EP20171871.5
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(21) EP16755305.6	(22) 20.09.2019	(22) 07.10.2013
(47) 06.09.2023	(54) SUPER-RESOLUTION DEFECT	(54) APPARATUS AND METHOD OF
(87) JP2016054599	REVIEW IMAGE GENERATION	IMAGING A HETEROGENEOUS
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(22) 17.02.2016	ADVERSARIAL NETWORKS	(73) Hexagon Metrology, Inc
(54) METHOD FOR ACQUIRING	(73) KLA Corporation	(72) O'HARE, Jonathan
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TIME AND DEVICE FOR PERFORMING	VAJARIA, Himanshu	(32) 25.10.2012
SAID METHOD	ZHANG, Yong	(33) United States of America
(73) School Juridical Person Higashi-Nippon-	LAKHAWAT, Rahul	(51) G01N 23/046
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(32) 27.02.2015	United States of America	(54) ITEM INSPECTION BY RADIATION
(33) Japan	United States of America	IMAGING USING AN ITERATIVE
(51) G01N 21/85	(51) G01N 22/00	PROJECTION-MATCHING APPROACH
G01N 21/71	H05K 13/08	(73) Universiteit Antwerpen
(11) EP3864399	H05K 3/12	Imec VZW
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PELLETIER, David	(54) ELECTRONIC DEVICE TESTING	APPARATUS AND X-RAY
(31) 1860509	SYSTEM, ELECTRONIC DEVICE	TRANSMISSION INSPECTION
(32) 14.11.2018	PRODUCTION SYSTEM INCLUDING	METHOD
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COLUMN	BOTULINUM NEUROTOXINS	King's College London
(73) Thermo Finnigan LLC	(73) President and Fellows of Harvard	(72) WHELAN, Kevin
(72) BRANN, John E.	College	WILSON, Bridgette
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(72) KLINER, Dahv A.V.	201762526018 P	(72) LAVENNE, Alain
FARROW, Roger	201762526011 P	PIRRI, Alessandro
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(51) G02B 7/28	HIGUCHI, Gakuji	G06T 7/73
G02B 21/26	USHIRODA, Hiroshi	G06T 15/50
G02B 21/24	YAMAMOTO, Takahiro	(11) EP4050400
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(22) 09.04.2015	H04N 23/10	Dobrev, Niki
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(73) Thorlabs, Inc.	G02B 5/20	(32) 09.02.2021
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(51) G02B 15/14	(72) DIXON, Arthur, Edward	(72) NAKAMURA, Naoki
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(47) 06.09.2023	(33) United States of America	MIYATAKE, Naoki
(22) 25.01.2021	(51) G02B 26/08	HAYASHI, Yuki
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(54) CONFOCAL SCANNER, CONFOCAL SCANNER SYSTEM, AND CONFOCAL MICROSCOPE SYSTEM	G02B 7/02	(73) Lumus Ltd.
(73) Yokogawa Electric Corporation	G02B 7/04	(72) EISENFELD, Tsion
(72) KEI, Takayuki	G02B 27/64	(31) 201862670886 P
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A61B 90/30	24.05.2018	H04N 5/64
G02B 21/00	(22) 03.11.2017	H04N 13/344
G02B 21/22	(54) LENS SEALING SLEEVE, LENS MODULE, LENS ADJUSTMENT MODULE, AND PROJECTION DEVICE	G02B 27/01
G06T 19/20	(73) APPOTRONICS CORPORATION LIMITED	(11) EP3730993
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(47) 06.09.2023	H01L 25/075	(72) CAO, Binbin
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Wäspfl, Marcel	(47) 06.09.2023	G02F 1/167
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(33) United States of America	ACQUISITION MODULE AND DISPLAY	BACKLIGHT UNIT, AND DISPLAY
(51) G02B 27/42	CONTROL METHOD	DEVICE
G02B 27/00	(73) Beijing Xiaomi Mobile Software Co., Ltd.	(73) LG Display Co., Ltd.
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G03B 11/00	(51) G03B 17/56	SAEKI, Tatsuya
G03B 15/14	G02B 23/22	MATSUI, Takashi
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KATO, Takashi	RE-PROJECTION ON A GLASS	KOMURO, Hitoshi
TERAI, Takashi	COMPRISES A TRANSPARENT	(31) 2021015151
MIYATANI, Shintaro	LAYERED ELEMENT PRESENTING	(32) 02.02.2021
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United States of America	JING, Jiajie	Company Limited
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(72) TAN, Yongxi	(73) Sony Group Corporation	ZHU, Daiwei
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(73) Advanced New Technologies Co., Ltd.	(73) Sony Group Corporation	KIM, Seong-Woon
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(73) Sonos, Inc.	G11C 16/04	202016826126
(72) LIN, Ted M.	G11C 16/08	202016825991
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JEONG, Byung Hoon	G16B 20/20	21.03.2019
JO, Young Min	G16B 40/00	(33) Netherlands
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(87) US2020050584	(47) 06.09.2023	Kim, Joon Ki
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(54) SYSTEM AND METHOD FOR SIMULATING A CHEMICAL OR BIOCHEMICAL PROCESS	(47) 06.09.2023	(22) 24.07.2019
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(72) NICOUD, Roger-Marc BERGER, Etienne	07.04.2016	(73) Eurosets S.r.l.
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A61J 7/00	(72) NAKANISHI, Katsumi	(31) 201800007542
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		MOSSMAN, Alexander Douglas
		HOWARD, Stephen James
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(73) TAE Technologies, Inc.	WAEDEKIN, Michael	UEMURA, Takafumi
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(54) UNLOADING AND TEMPORARY	STATION	(11) EP4030445
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(31) 102016217434	(22) 27.01.2017	(72) HAGER, James
(32) 13.09.2016	(54) CRADLE FOR A NARROW RELAY,	LONDRY, Frank
(33) Germany	CRADLE ASSEMBLY AND RELAY	BLOOMFIELD, Nic, G.
(51) H01H 3/02	(73) Tyco Electronics Austria GmbH	(31) 201361891573 P
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(51) H01L 21/02	(33) United States of America	(21) EP21190468.5
C23C 16/34	United States of America	(47) 06.09.2023
C23C 16/36	(51) H01L 23/36	(22) 10.08.2021
C23C 16/455	C22C 21/00	(54) DISPLAY DEVICE AND TILED DISPLAY
C23C 16/40	H01L 23/12	DEVICE INCLUDING THE SAME
C23C 16/30	H01L 23/373	(73) Samsung Display Co., Ltd.
C23C 16/56	H01L 23/40	(72) JANG, Dae Hwan
(11) EP3491167	H05K 1/02	PARK, Cheol Min
(21) EP17835182.1	C22F 1/00	SEO, Woo Suk
(47) 06.09.2023	C22F 1/04	CHO, Jin Ho
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(54) COMPOSITIONS AND METHODS	(87) JP2019043855	(51) H01L 25/075
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(73) Versum Materials US, LLC	(54) BONDED BODY, INSULATED CIRCUIT	H01L 25/16
(72) CHANDRA, Haripin	BOARD WITH HEAT SINK, AND HEAT	H01L 33/00
LEI, Xinjian	SINK	H01L 21/683
MALLIKARJUNAN, Anupama	(73) Mitsubishi Materials Corporation	H01L 23/00
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(51) H01L 21/20	(21) EP21209441.1	DISPLAY APPARATUS
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(21) EP18181976.4	COMMUNICATION DEVICES	(21) EP12167829.6
(47) 06.09.2023	INCLUDING COMPOUND	(47) 06.09.2023
(22) 05.07.2018	SEMICONDUCTOR DEVICES	(22) 14.05.2012
(54) SEMICONDUCTOR PACKAGE	INTEGRATED ON AN INTER DIE	(54) Semiconductor integrated circuit
INCLUDING LID STRUCTURE WITH	FABRIC ON PACKAGE	(73) Fujitsu Limited
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(73) MediaTek Inc.	(72) KAMGAING, Telesphor	(31) 2011130683
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(72) BOULARD, François CERVERA, Cyril FERRON, Alexandre (31) 1901220 (32) 07.02.2019 (33) France	(54) MONOLITHIC INTEGRATED SEMICONDUCTOR, IN PARTICULAR ISOLATING SWITCH (73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (72) Hürner, Andreas Erlbacher, Tobias (31) 102017213489 (32) 03.08.2017 (33) Germany	(51) H01L 29/08 H01L 29/78 H01L 27/02 H01L 29/808 H01L 29/06 (11) EP3439044 (21) EP18185156.9 (47) 06.09.2023 (22) 24.07.2018
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(54) PHOTO-DETECTOR ARRAY WITH BARRIER WITH PIXELLATION BY LOCAL DEPLETION	(33) United States of America United States of America	H01L 29/423 (11) EP4008025 (21) EP20746988.3 (47) 06.09.2023 (87) EP2020071689 04.02.2021 (22) 31.07.2020 (54) SILICON CARBIDE TRANSISTOR DEVICE (73) Hitachi Energy Switzerland AG (72) BELLINI, Marco KNOLL, Lars WIRTHS, Stephan (31) 19189583 (32) 01.08.2019 (33) European Patent Office (EPO)

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(73) California Institute of Technology	H01L 33/58	(73) KYOCERA Corporation
(72) HAJIMIRI, Seyed, Ali	H01L 33/60	(72) KATOU, Hidetaka
ATWATER, Harry A.	H01L 33/62	KUSANO, Tamio
PELLEGRINO, Sergio	F21Y 105/16	YOKOI, Kiyotaka
ABIRI, Behrooz	F21Y 115/10	(31) 2017184671
BOHN, Florian	H01L 25/075	(32) 26.09.2017
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G01J 1/42	(54) LIGHT EMITTING DIODE WITH STRUCTURED SUBSTRATE	H01M 4/62
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(54) CONTROLLING DETECTION TIME IN PHOTODETECTORS	H01L 33/40	(54) METHOD FOR MANUFACTURING AN ELECTRODE COMPRISING A POLYMER MATRIX TRAPPING AN ELECTROLYTE
(73) Waymo LLC	H01L 33/46	(73) Commissariat à l'énergie atomique et aux énergies alternatives
(72) ONAL, Caner	H01L 33/20	Solvay SA
VERGHESE, Simon	(11) EP3490012	(72) SALOMON, Jérémie
DROZ, Pierre-Yves	(21) EP17831367.2	ABUSLEME, Julio
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YOSHIDA, Yuki	F21Y 115/10	(87) KR2018014640
SHIBAYAMA, Katsumi	F21W 131/308	07.11.2019
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(73) LG Energy Solution, Ltd.	(22) 08.06.2018	JUNG, Changhoon
(72) WI, Yoon Bong	(54) LEAD-ACID BATTERY	(31) 20200030377
PARK, Sin Young	(73) CPS Technology Holdings LLC	20190131388
PARK, Dong Hyeuk	(72) JOHNS, Frank-Thomas	(32) 11.03.2020
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(33) Korea (Republic)	SPENCE, Matthew A.	Korea (Republic)
(51) H01M 4/13	LOGANATHAN, Kavi G.	(51) H01M 4/36
H01M 4/505	SHI, Qingfang	H01M 4/505
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21.03.2019	United States of America	MATERIAL FOR NONAQUEOUS
(22) 14.09.2017	United States of America	ELECTROLYTE SECONDARY
(54) ELECTRODE AND NONAQUEOUS ELECTROLYTE BATTERY	United States of America	BATTERY AND NONAQUEOUS
(73) Kabushiki Kaisha Toshiba	United States of America	ELECTROLYTE SECONDARY
(72) WATANABE, Yuki	(51) H01M 4/24	BATTERY
YAMAMOTO, Dai	H01M 4/40	(73) Panasonic Intellectual Property
NAKAZAWA, Toshitada	H01M 4/62	Management Co., Ltd.
KANO, Tetsuro	H01M 10/24	(72) WATANABE, Hiroki
TANAKA, Masanori	H01M 10/26	DONOUE, Kazunori
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(73) LOTTE ENERGY MATERIALS CORPORATION	(32) 13.05.2015	KOSAKA, Daichi
(72) LEE, Sun Hyoung	(33) United States of America	OTOMO, Takamasa
CHOI, Eun Sil	(51) H01M 4/36	NAKANO, Hideyuki
JO, Tae Jin	H01M 4/38	(31) 2018133326
KIM, Hyung Cheol	H01M 4/134	(32) 13.07.2018
SONG, Ki Deok	H01M 4/04	(33) Japan
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(51) H01M 4/14	(11) EP3813161	(11) EP3979397
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(47) 06.09.2023	(72) KIM, Sewon	(54) POSITIVE ELECTRODE PLATE AND ELECTROCHEMICAL DEVICE AND EQUIPMENT ASSOCIATED THEREWITH
(87) US2018036767	KIM, Jusik	(73) Contemporary Amperex Technology Co., Limited
	GWON, Hyeokjo	(72) YU, Yang
	KIM, Ryounghee	(31) 201910731214
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(73) Robert Bosch GmbH	(73) Sumitomo Electric Industries, Ltd.	SHEN, Lei
(72) SAUTER, Ulrich	(72) DONG, Yongrong	GAN, Chaolun
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DISPLAY UNIFORMITY	SUBSTRATE AND A CONNECTOR	F04D 13/10
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(72) CHAI, Mei	SUBSTRATE	H02K 5/132

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(47) 06.09.2023	(73) Aptiv Technologies Limited	FERRARI, Andrea
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CONNECTOR	(21) EP19739312.7	H01S 3/00
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(51) H01R 13/631	PROCESSING MACHINE SYSTEM,	B23K 26/0622
H01R 24/40	CABLE PROCESSING MACHINE	B23K 26/356
H01R 13/622	SYSTEM AND METHOD FOR	H01S 3/06
H01R 9/05	REMOVING ONE OR MORE CABLES	C21D 10/00
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(22) 14.09.2018	B23K 26/00	SHOCK PEENING PROCESSES
(54) CONNECTOR AND METHOD FOR	H01S 3/067	(73) LSP Technologies, Inc.
CONNECTING CONNECTOR	H01S 3/10	(72) Dulaney, Jeff
(73) Junkosha Inc.	G02F 1/37	Sokol, David
(72) YASUMOTO Hiromi	H01S 3/13	O'Loughlin, Mark E.
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H01R 107/00	H01S 3/105	LOCKED LASER AND ASSOCIATED
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(54) CONNECTOR	H01S 3/1118	(72) DE ROSSI, Alfredo
(73) Iriso Electronics Co., Ltd.	(11) EP3622591	COMBRIE, Sylvain
(72) Shioda, Hideki	(21) EP18723374.7	RAINERI, Fabrice
Ohkuma, Yoshihito	(47) 06.09.2023	(31) 1912504
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(51) H02B 11/12 H02B 11/167 H02B 3/00 H02B 13/02	(47) 06.09.2023 (87) US2019014274 25.07.2019	(54) POWER SUPPLY RETURNING APPARATUS
(11) EP3671987 (21) EP18214019.4 (47) 06.09.2023 (22) 19.12.2018	(22) 18.01.2019 (54) WALL BOXES PROVIDING ADJUSTABLE SUPPORT FOR A CONTROL DEVICE, APPARATUSES, AND ELECTRICAL DEVICE	(73) Zhejiang Uniview Technologies Co., Ltd (72) LI, Haitao WANG, Jianting SUN, Yifei
(54) SWITCHGEAR WITH WITHDRAWABLE FEEDER MODULE	(73) Lutron Technology Company LLC (72) MCDONALD, Matthew P.	(31) 201310158121 (32) 27.04.2013 (33) China
(73) ABB Schweiz AG (72) Kozel, Tomas Javora, Radek Cernohous, Josef	(31) 201862685671 P 201862619474 P (32) 15.06.2018 19.01.2018	(51) H02J 3/00 H04L 41/00 (11) EP3981110 (21) EP19735682.7 (47) 06.09.2023 (87) US2019036291 17.12.2020
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(54) OPERATING UNIT FOR AN EARTHING SWITCH OF AN AIR-INSULATED SWITCHGEAR	H01H 47/22 H01H 47/36 G01R 31/327 H01H 47/00 H02H 11/00	(73) Landis+Gyr Technology, Inc. (72) GUPTA, Munish GOUTAM, Hemant KULKARNI, Rushikesh MARTINS, Vinicius
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(51) H02G 1/00 H02G 3/12	(54) RELAY PROTECTION SYSTEM	(73) Viessmann Climate Solutions SE (72) OTTA, Tobias SCHMACK, Doris BREINBAUER, Florian
(11) EP3716423 (21) EP20165591.7 (47) 06.09.2023 (22) 25.03.2020	(73) Littelfuse, Inc. (72) RILEY, James (31) 201615132858 (32) 19.04.2016 (33) United States of America	(31) 102018206214 (32) 23.04.2018 (33) Germany
(54) TOOL FOR THE ALIGNED MOUNTING OF TOOL INSERTS	(51) H02H 3/33 G01R 19/15 G01R 19/20 H01F 38/28 H01H 83/14 H01H 77/00 H02H 3/347 H02H 3/087 H02H 3/16 H02H 3/44	(51) H02J 3/24 F03D 7/02 H02J 3/38 (11) EP3818608 (21) EP19736375.7 (47) 06.09.2023 (87) EP2019068023 09.01.2020 (22) 04.07.2019
(73) Esterl, Josef (72) Esterl, Josef (31) 202019001472 U (32) 29.03.2019 (33) Germany	(11) EP3242369 (21) EP17165951.9 (47) 06.09.2023 (22) 11.04.2017	(54) METHOD FOR CONTROLLING A WIND FARM IN ORDER TO DAMP SUBSYNCHRONOUS OSCILLATIONS
(51) H02G 1/12 G01N 27/22 H01H 1/00	(54) TRIP CONTROL CIRCUIT FOR CIRCUIT BREAKER FOR DETECTING AC AND/OR DC	(73) Wobben Properties GmbH (72) SCHWANKA TREVISAN, Aramis MENDONCA, Angelo CASSOLI, Jair BROMBACH, Johannes
(11) EP3821508 (21) EP18752853.4 (47) 06.09.2023 (87) IB2018055117 02.04.2020	(73) LSIS Co., Ltd. (72) SEON, Jongkug (31) 20160052310 (32) 28.04.2016 (33) Korea (Republic)	(31) 102018116443 (32) 06.07.2018 (33) Germany
(22) 11.07.2018	(51) H02J 1/10 H02J 9/06	(51) H02J 3/38 (11) EP3629439
(54) DEVICE FOR IDENTIFYING CONTACT WITH AN ELECTRICAL CONDUCTOR, METHOD FOR IDENTIFYING CONTACT WITH AN ELECTRICAL CONDUCTOR, INSULATION-STRIPPING MACHINE COMPRISING A DEVICE OF THIS KIND	(11) EP2990893	
(73) Schleuniger AG (72) BERGER, Patrick DESCHLER, Raphael JOST, Michael		
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(87) CN2018096756	ELECTRONIC DEVICE	(21) EP19845144.5
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(54) METHOD FOR CONTROLLING	MIZOGUCHI, Yasunari	06.02.2020
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POWER GENERATION SYSTEM	(32) 06.12.2018	APPARATUS, AND STORAGE MEDIUM
(73) Huawei Digital Power Technologies Co.,	(33) Japan	AND WIRELESS CHARGING BASE
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(72) GAO, Yongbing	H01R 13/502	TELECOMMUNICATIONS CORP., LTD.
GU, Guilei	H01R 13/62	(72) WAN, Shiming
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AND METHOD FOR PROCESSING	(73) Portmag Co., Ltd.	(73) Robertshaw Italy S.r.L.
CHARGING EXCEPTION	(72) YOUN, Tae Sik	(72) Galeazzi, Daniele
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(51) H02J 7/00	(54) PROTECTION CIRCUIT, HIGH-	(54) Intelligent electrical distribution grid
G06F 1/26	VOLTAGE LOOP, ELECTRICAL	control system data
H03K 17/687	APPARATUS, CONTROL METHOD,	(73) General Electric Technology GmbH
(11) EP2819268	DEVICE AND MEDIUM	(72) Boardman, Ethan Clair
(21) EP14173726.2	(73) Jiangsu Contemporary AmpereX	Venkata, Subrahmanyam Saraswati
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(73) Samsung Electronics Co., Ltd	(51) H02J 7/00	H02J 7/02
(72) Jung, Ku-Chul	H02J 7/34	(11) EP3579380
Lee, Ki-Sun	(11) EP3512067	(21) EP19752633.8
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H01M 10/44	SYSTEM	WIRELESS POWER TRANSMISSION
H01M 10/48	(73) Huawei Technologies Co., Ltd.	SYSTEM
H02H 11/00	(72) LIU, Xinyu	(73) LG Electronics Inc.
H01M 50/202	WANG, Pinghua	(72) PARK, Yongcheol
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(54) MOTOR	THIEME, Rene	(73) Eldor Corporation S.p.A.
(73) LG Electronics Inc.	HEIMRICH, Tim	(72) FORTE, Pasquale
(72) KIM, Jaeho	HEEP, Tobias	ALBERTINI, Giandomenico
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(54) OUTER ROTOR BRUSHLESS MOTOR	(51) H02K 5/14	FORMING METHOD
HAVING AN AXIAL FAN	H01R 39/38	(73) Odawara Engineering Co., Ltd.
(73) Black & Decker Inc.	H01R 39/41	(72) IWAMOTO, Tomomi
(72) FOGLE, John B.	(11) EP3682532	ISHIZUKA, Yutaka
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(33) Italy	(47) 06.09.2023	POWER CONVERTERS
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Gstir, Sascha	(47) 06.09.2023	LEI, Yu
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CHAIN-LINK MODULES FOR VOLTAGE	OF A MULTI-PHASE ELECTRICAL	B60T 13/66
SOURCE CONVERTERS	MOTOR	B60T 13/68
(73) General Electric Technology GmbH	(73) Borgwarner Luxembourg Automotive	F04B 17/03
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H03K 17/16	SIGNAL PROCESSING METHOD	KAMENEVA, Yulia Borisovna
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SUPPORTING COMMUNICATION	MODULATOR WITH ZERO PEAKING	(51) H04B 5/00
FUNCTION AND ELECTRONIC DEVICE	AND ASSOCIATED ENVELOPE	(11) EP3917023
INCLUDING THE SAME PRIORITY	TRACKING CALIBRATION METHOD	(21) EP21175514.5
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(73) AUDI AG	FOR TRANSMITTING UPLINK	AND WIRELESS POWER TRANSFER
(72) SPEHL, Jürgen	REFERENCE SIGNAL	METHOD
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PAPP, Aurel	(72) CHO, Namjun	(72) Noh, Yunjeong
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(73) Huawei Technologies Co., Ltd.	(72) LI, Yanhua	(51) H04W 56/00
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Voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend conform artikel 52 (1, 6) van de Octrooiwet 1995.

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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FEYS, Jonas Guido	(51) B32B 27/08	(32) 23.07.2018
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(74) dr. A. Krebs	C08G 18/48	(47) 07.06.2023
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(22) 09.04.2020	(11) EP3746319	(54) GUIDE SLEEVE FOR A SEALING
(54) METHOD FOR ENCAPSULATING	(21) EP19705662.5	MEMBER OF A RELAY VALVE OF AN
ELECTRONIC DEVICES	(22) 31.01.2019	ELECTROPNEUMATIC MODULATOR
(73) COMPAGNIE GENERALE DES	(54) INTEGRATED TOP RAIL TENSION	(73) KNORR-BREMSE Systeme für
ETABLISSEMENTS MICHELIN	ROLLER SYSTEM	Nutzfahrzeuge GmbH
(72) FORICHON, Baptiste	(73) Roll-Rite, LLC	(72) KRAHL, Martin
PORTIER, Guillaume	(72) HINES, Shane	RÖTHER, Friedbert
EYROULET, Nicolas	HUNTER, Stephen	(74) dr. R.C. van Duijvenbode c.s.
LALLEMENT, Claude	(74) dr. ir. G.J.C. Verdijck c.s.	(31) 102018121718
(74) ir. W.J.J.M. Kempes	(31) 201862624410 P	(32) 06.09.2018
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(22) 28.06.2021	(22) 12.09.2017	(22) 01.06.2018
(54) DRIVE AND BRAKING SYSTEM FOR	(54) HOLDING ROD DEVICE FOR	(54) STACK SECURING FOR TRANSPORT
VEHICLE TRAILER WITH ELECTRIC	FASTENING TO THE CEILING OF A	TRUCKS
DRIVE AND BRAKING DEVICE	VEHICLE	(73) Uwe, Dominik
(73) Knott GmbH	(73) Siemens Mobility GmbH	(72) Uwe, Dominik
(72) STRASSER, Josef	(72) KEHL, Tobias	(74) ir. F.A. Geurts c.s.
(74) ir. F.A. Geurts c.s.	(74) dr. R.C. van Duijvenbode c.s.	(31) 102017008892
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B62D 61/12	B62D 33/06	B62D 11/04
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(21) EP20160834.6	(54) STORAGE DEVICE FOR A CAB OF A	(54) RUNNING GEAR
(22) 04.03.2020	COMMERCIAL VEHICLE	(73) Agilox Systems GmbH
(54) AXLE ASSEMBLY FOR A HEAVY LOAD	(73) MAN Truck & Bus SE	(72) SCHWAIGER, Meinhard
VEHICLE AND HEAVY LOAD VEHICLE	(72) Schmitz, Andreas	(74) ir. H.J.G. Lips c.s.
WITH AT LEAST ONE SUCH AXLE	Huber, Georg	(31) 600092017
ASSEMBLY	(74) ir. A. Blokland c.s.	(32) 28.01.2017
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(72) HÄFELE, Horst	(32) 30.10.2019	(47) 12.07.2023
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(51) B60H 1/00	(22) 16.09.2019	(22) 24.04.2019
B60H 1/32	(54) PNEUMATIC PRESSURE CONTROL	(54) SELF-PROPELLED DEVICE FOR
F16H 61/662	MODULE EMBEDDED WITH AN	ENTERING AND MOVING SPECIFIC
F16H 37/02	INERTIAL SENSOR ON A COMMON	EQUIPMENT INSIDE CONFINED
B60K 25/08	UNIT	ENVIRONMENTS WITH MUDDY
F16H 57/02	(73) KNORR-BREMSE Systeme für	SEDIMENTS ON THE BOTTOM
F16H 59/40	Nutzfahrzeuge GmbH	(73) Gerotto Federico S.r.l.
F16H 59/42	(72) HUBER, Christoph	(72) Gerotto, Gastone
F16H 9/12	STEINBERGER, Jürgen	Gerotto, Roberto
F16H 9/24	EISENBERGER, Andreas	Feletto, Alberto
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(21) EP18753456.5	(74) dr. R.C. van Duijvenbode c.s.	(31) 201800004883
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(73) Carrier Corporation	(51) B60T 15/00	(11) EP4051561
(72) RENAULT, Loic		(21) EP20811603.8

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(73) SAF-HOLLAND GmbH	(73) SRAM, LLC	(73) NOVEMBAL USA Inc.
(72) KÖSTER, Mario Sebastian	(72) Brown, Joshua	(72) LAMOUREUX, Richard
ROTHENBÜCHER, Daniel	Jordan, Brian	(74) J.M.H. Duyver lic.
KÜBLER, Randy	Shipman, Christopher	(31) 201862718347 P
(74) ir. A. Blokland c.s.	(74) J.M.H. Duyver lic.	(32) 13.08.2018
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A47C 3/025	United States of America	(22) 28.06.2021
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(21) EP20821112.8	(51) B63H 1/22	(73) C. & A. Veltins GmbH & Co. KG
(22) 23.10.2020	(11) EP4023545	(72) BROER, Eckhard
(54) BACK SUPPORT FOR PEDAL-DRIVEN DEVICES	(21) EP21207957.8	(74) ir. H.A. Witmans c.s.
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(74) ir. M.B. Plaggenborg	(72) Despineux, Frank	(47) 02.08.2023
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(22) 19.12.2016	B63H 21/17	(73) Multi Packaging Solutions UK Limited
(54) DRIVE ARRANGEMENT OF A BICYCLE WITH A MULTIPLE-CHAIN WHEEL ASSEMBLY	B60L 58/10	(72) Davis, Nigel
(73) SRAM Deutschland GmbH	H01M 10/48	(74) J.M.H. Duyver lic.
(72) Braedt, Henrik	H02H 7/18	(31) 201902207
(74) ir. W.J.J.M. Kempes	(11) EP3530560	201806942
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(33) Germany	(54) DEVICE FOR MONITORING A BOAT DRIVE	(33) United Kingdom
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(51) B62M 9/125	(72) Basler, Hendrik	(47) 19.07.2023
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B62M 9/1242	(33) Germany	(11) EP3805122
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(21) EP18000255.2	B29C 63/42	(54) RESIN-COATED STEEL CAN AND METHOD FOR MANUFACTURING SAME
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(54) REAR DERAILLEUR FOR COAXIAL MOUNTING	(21) EP15700550.5	(72) AIHARA, Mitsuhide
(73) SRAM Deutschland GmbH	(22) 12.01.2015	YANADA, Kenji
(72) Braedt, Henrik	(54) METHOD AND DEVICE FOR THE APPLICATION OF SHRINK FILM SLEEVE	(74) dr. R.C. van Duijvenbode c.s.
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(51) B65D 30/20	(21) EP15760128.7	(73) Global Fabtech (Shanghai) Company Limited
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B65D 33/00	(73) Marel Stork Poultry Processing B.V.	(74) dr. R.C. van Duijvenbode c.s.
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(54) DEVICE AND METHOD FOR GROUPED FEEDING OF CONTAINERS TO A CYCLICAL PROCESSING MACHINE	United States of America	(73) Greyter Water Systems Inc.
(73) KHS GmbH	(47) 07.06.2023	(72) LAKGHOMI, Babak
(72) VORWERK, Jürgen Franz	(51) B66F 7/06	PEREIRA CALDEIRA, Michael Nelson
SINGUR, Igor	B66F 7/08	THOMPSON, Christopher Roy
NIEHR, Thomas	B66F 7/22	(74) dr. R.C. van Duijvenbode c.s.
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C03B 25/00	C07C 19/01	TRIPLETT, Brock
C03C 4/00	C07C 21/04	HOGAN, John
C03B 19/14	(11) EP3659993	(74) ir. H.A. Witmans c.s.
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(73) Shin-Etsu Chemical Co., Ltd.	Dawkins, John Lee	C07C 31/27
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(72) Brach, Harald	(72) KNOSSALLA, Johannes	A61F 2/16
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E21B 34/06	(31) 102019212152	(72) COLE, Barry, R.
E21B 33/134	(32) 13.08.2019	REKRET, Andrew
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(54) WELL TOOL DEVICE	F01D 11/00	SIBENALLER, Henry
(73) Interwell Norway AS	F01D 25/12	SCHULZ, William
(72) HIORTH, Espen	(11) EP3976934	(74) ir. W.J.J.M. Kempes
(74) ir. J.C. Volmer c.s.	(21) EP20739891.8	(31) 297242 P
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(32) 22.08.2019	(54) METHOD FOR MODERNISING A GAS TURBINE PLANT AND GAS TURBINE PLANT	691663
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 (72) RAVEGGI, Marco
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 PANARA, Daniele
 PIVETTA, Valentina
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 (73) L'Air Liquide, société anonyme pour
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 (72) PETITPAS, Guillaume
 PENNEC, Yann
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 PRESSURISED GAS TANKS
 (73) L'Air Liquide, société anonyme pour
 l'Étude et l'Exploitation des procédés
 Georges Claude
 (72) ALLIDIÈRES, laurent
 (74) ir. W.J.J.M. Kempes
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 POUR L'ETUDE ET L'EXPLOITATION
 DES PROCÉDES GEORGES CLAUDE
 (72) DEVILLIERS, Clemence
 WERLEN, Etienne
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 BUCK, Marcus
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(73) Opple Lighting Co., Ltd.	(73) Siemens Aktiengesellschaft	F28F 1/40
Suzhou Opple Lighting Co., Ltd.	(72) Lochschmied, Rainer	F28F 21/06
(72) WANG, Hongbo	(74) dr. R.C. van Duijvenbode c.s.	(11) EP3377833
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(33) China	(51) F24F 11/30	F28F 9/10
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(47) 16.08.2023	(11) EP3963268	(54) HEAT EXCHANGER ASSEMBLY AND METHOD FOR ASSEMBLING SAME
(51) F23C 3/00	(21) EP20731370.1	(73) L'Air Liquide, société anonyme pour l'Étude et l'Exploitation des procédés Georges Claude
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F23C 7/00	(54) AN ACTIVE AIRFLOW INHIBITING APPARATUS	(74) ir. W.J.J.M. Kempes
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(73) Minotti, Angelo	F24H 4/04	F25J 1/00
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(33) Italy	(21) EP19202677.1	(73) Hysytech S.r.l.
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F23N 1/02	(73) Stiebel Eltron GmbH & Co. KG	FARINA, Corrado
F23D 14/02	(72) Brugmann, Johannes	SOLARO, Simone
F23D 14/36	Schaumlöffel, Michael	IELPO, Gaetano
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(72) CREATI, Cristian	NAGAO Tomohiko	(72) BITTO, Ennio
PANTALEONI, Adrio	(74) ir. A.R. Aalbers	HUBER, Christof
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Koss, Gerald	(47) 02.08.2023	(72) RAMSEYER, Severin
Radu, Branislav	(51) G01D 21/00	(74) ir. W.J.J.M. Kempes
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(74) ir. J.C. Volmer c.s.	DIETERLE, Levin	G01F 13/00
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(47) 14.06.2023	G01F 1/42	(22) 24.06.2019
(51) G01C 21/20	G01F 1/44	(54) METHOD AND DEVICE FOR DETERMINING THE VOLUME OF LIQUID REMAINING INSIDE A FLEXIBLE LIQUID-DISPENSING POUCH
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(73) TELEFONAKTIEBOLAGET LM	(74) dr. R.C. van Duijvenbode c.s.	(11) EP3957962
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(72) ARAÚJO, José	201810155152	(22) 18.08.2021
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(73) Mettler-Toledo (Changzhou) Precision Instruments Co., Ltd Mettler-Toledo International Trading (Shanghai) Co. Ltd. Mettler-Toledo (Changzhou) Measurement Technology Co., Ltd	(33) United States of America (47) 09.08.2023	(21) EP20716508.5 (22) 09.04.2020
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(00) 01.02.2023	(00) 01.02.2023	(00) 02.09.2023
(00) EPV lapsed	(00) EPV lapsed	(00) Patent Expired
(11) EP2523940	(11) EP2528777	(11) EP2586406
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2524369	(11) EP2528940	(11) EP2602669
(00) 01.02.2023	(00) 01.02.2023	(00) 03.05.2023
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(11) EP2525749	(11) EP2528951	(11) EP2604094
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2526060	(11) EP2528984	(11) EP2612612
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526061	(11) EP2528990	(11) EP2612757
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526062	(11) EP2529050	(11) EP2614788
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526122	(11) EP2529500	(11) EP2614956
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526177	(11) EP2531082	(11) EP2615020
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526278	(11) EP2531283	(11) EP2615221
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526308	(11) EP2532699	(11) EP2615224
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526404	(11) EP2534423	(11) EP2615525
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526508	(11) EP2535261	(11) EP2615580
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526533	(11) EP2538768	(11) EP2615620
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526671	(11) EP2538917	(11) EP2615717
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526680	(11) EP2543514	(11) EP2617639
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2528460	(11) EP2544434	(11) EP2617858
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2528482	(11) EP2547938	(11) EP2618361
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2528627	(11) EP2550129	(11) EP2620358
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2620475	(11) EP2663366	(11) EP2666015
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2622962	(11) EP2663370	(11) EP2666269
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2623282	(11) EP2663501	(11) EP2666476
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2624643	(11) EP2663550	(11) EP2667130
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2626751	(11) EP2663555	(11) EP2667527
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2628421	(11) EP2663650	(11) EP2667701
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2628699	(11) EP2664076	(11) EP2667780
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2631753	(11) EP2664136	(11) EP2667797
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2633767	(11) EP2664170	(11) EP2667866
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2634335	(11) EP2665437	(11) EP2667867
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2635939	(11) EP2665466	(11) EP2668044
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2640492	(11) EP2665471	(11) EP2668205
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2647707	(11) EP2665477	(11) EP2668214
(00) 11.07.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2661183	(11) EP2665496	(11) EP2668427
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2661238	(11) EP2665514	(11) EP2668428
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2661372	(11) EP2665544	(11) EP2668507
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2661373	(11) EP2665650	(11) EP2668565
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2661422	(11) EP2665789	(11) EP2668829
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2661423	(11) EP2665808	(11) EP2669350
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2661528	(11) EP2665810	(11) EP2670174
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2663227	(11) EP2665855	(11) EP2670439
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2663238	(11) EP2665903	(11) EP2670594
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023

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(11) EP2671378	(11) EP2744012	(11) EP2762172
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(11) EP2671405	(11) EP2747639	(11) EP2762216
(00) 01.02.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2674037	(11) EP2752130	(11) EP2762668
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2680107	(11) EP2752217	(11) EP2762849
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2683437	(11) EP2752218	(11) EP2764902
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2684890	(11) EP2752361	(11) EP2766461
(00) 01.02.2023	(00) 01.02.2023	(00) 03.05.2023
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(11) EP2688469	(11) EP2752462	(11) EP2769304
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(11) EP2688705	(11) EP2753056	(11) EP2774587
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(11) EP2691989	(11) EP2753098	(11) EP2785398
(00) 03.05.2023	(00) 01.02.2023	(00) 03.05.2023
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(11) EP2695641	(11) EP2754384	(11) EP2791244
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(11) EP2697627	(11) EP2754472	(11) EP2797951
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2698894	(11) EP2754553	(11) EP2800908
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2701129	(11) EP2754811	(11) EP2802288
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(11) EP2705857	(11) EP2754812	(11) EP2802515
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(11) EP2717364	(11) EP2755021	(11) EP2802666
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2720634	(11) EP2757218	(11) EP2803090
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(11) EP2722393	(11) EP2757861	(11) EP2804423
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2727564	(11) EP2758075	(11) EP2804566
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
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(11) EP2730041	(11) EP2759485	(11) EP2804677
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(11) EP2731675	(11) EP2759878	(11) EP2804703
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(11) EP2740481	(11) EP2760197	(11) EP2804724
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(11) EP2744011	(11) EP2760225	(11) EP2804736
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(11) EP2806183	(11) EP2812306	(11) EP2855037
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(11) EP2806893	(11) EP2812307	(11) EP2855043
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(11) EP2807082	(11) EP2812479	(11) EP2857527
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(11) EP2807160	(11) EP2813825	(11) EP2857628
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(11) EP2809176	(11) EP2823570	(11) EP2896407
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(00) 01.02.2023	(00) 03.05.2023	(00) 01.02.2023

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(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2908059	(11) EP2943054	(11) EP2948580
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2910995	(11) EP2943189	(11) EP2949780
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(11) EP2915695	(11) EP2943727	(11) EP2950644
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(11) EP2916163	(11) EP2943973	(11) EP2950649
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(11) EP2919075	(11) EP2944314	(11) EP2950774
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(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2926092	(11) EP2945581	(11) EP2950906
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2929168	(11) EP2945910	(11) EP2951208
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP2929645	(11) EP2946066	(11) EP2951228
(00) 01.02.2023	(00) 01.02.2023	(00) 03.05.2023
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(11) EP2930371	(11) EP2946166	(11) EP2951317
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2930549	(11) EP2946497	(11) EP2951453
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2931579	(11) EP2946619	(11) EP2951723
(00) 03.05.2023	(00) 03.05.2023	(00) 03.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2932247	(11) EP2947100	(11) EP2952633
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2938424	(11) EP2947139	(11) EP2953946
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2941148	(11) EP2948026	(11) EP2954088
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2941233	(11) EP2948031	(11) EP2954729
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2955034	(11) EP2988845	(11) EP3042864
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2955185	(11) EP3000203	(11) EP3043332
(00) 01.02.2023	(00) 01.02.2023	(00) 03.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2959923	(11) EP3001988	(11) EP3043450
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2964295	(11) EP3005313	(11) EP3043541
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2965032	(11) EP3011851	(11) EP3043704
(00) 20.07.2023	(00) 01.02.2023	(00) 03.05.2023
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2966753	(11) EP3012067	(11) EP3045096
(00) 01.02.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2967124	(11) EP3013680	(11) EP3045197
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2967337	(11) EP3014170	(11) EP3045725
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2968680	(11) EP3017884	(11) EP3047770
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2969428	(11) EP3017990	(11) EP3047771
(00) 01.02.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2972448	(11) EP3018116	(11) EP3047772
(00) 03.05.2023	(00) 31.03.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP2973470	(11) EP3021477	(11) EP3047774
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2974421	(11) EP3026179	(11) EP3050293
(00) 01.02.2023	(00) 01.02.2023	(00) 03.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2976915	(11) EP3029208	(11) EP3050687
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2978251	(11) EP3029861	(11) EP3051233
(00) 01.02.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2980058	(11) EP3033368	(11) EP3053309
(00) 03.05.2023	(00) 03.05.2023	(00) 03.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2982074	(11) EP3039494	(11) EP3053604
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2982993	(11) EP3040086	(11) EP3054419
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2984517	(11) EP3040609	(11) EP3055828
(00) 01.02.2023	(00) 01.02.2023	(00) 03.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2986462	(11) EP3040760	(11) EP3056452
(00) 01.02.2023	(00) 03.05.2023	(00) 01.02.2023
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(11) EP2988525	(11) EP3042534	(11) EP3056637
(00) 01.02.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2988732	(11) EP3042593	(11) EP3058897
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3061683	(11) EP3094870	(11) EP3099983
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3062483	(11) EP3094939	(11) EP3099989
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3064217	(11) EP3095016	(11) EP3100001
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3068196	(11) EP3096125	(11) EP3100391
(00) 01.02.2023	(00) 03.05.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3071235	(11) EP3096307	(11) EP3100425
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3074959	(11) EP3096662	(11) EP3100498
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3075283	(11) EP3096792	(11) EP3100520
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3076778	(11) EP3096839	(11) EP3100564
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP3079522	(11) EP3096875	(11) EP3100591
(00) 01.02.2023	(00) 01.02.2023	(00) 03.05.2023
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(11) EP3081189	(11) EP3096934	(11) EP3100977
(00) 01.02.2023	(00) 01.02.2023	(00) 03.05.2023
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(11) EP3081994	(11) EP3096953	(11) EP3102308
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3082858	(11) EP3097043	(11) EP3104338
(00) 29.03.2023	(00) 01.02.2023	(00) 03.05.2023
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(11) EP3085545	(11) EP3097055	(11) EP3104811
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3091941	(11) EP3097112	(11) EP3105506
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3091987	(11) EP3097135	(11) EP3107681
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP3092135	(11) EP3097337	(11) EP3108547
(00) 03.05.2023	(00) 01.02.2023	(00) 03.05.2023
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(11) EP3092236	(11) EP3097927	(11) EP3109597
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(11) EP3092625	(11) EP3098242	(11) EP3113396
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP3092704	(11) EP3099324	(11) EP3113531
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
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(11) EP3093783	(11) EP3099444	(11) EP3114493
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(11) EP3094609	(11) EP3099507	(11) EP3114911
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(11) EP3094685	(11) EP3099734	(11) EP3117500
(00) 01.02.2023	(00) 01.02.2023	(00) 03.05.2023

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(11) EP3120180	(11) EP3154050	(11) EP3189952
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
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(11) EP3121231	(11) EP3154565	(11) EP3190039
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
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(11) EP3122365	(11) EP3158485	(11) EP3190354
(00) 03.05.2023	(00) 03.05.2023	(00) 01.02.2023
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(11) EP3123415	(11) EP3163856	(11) EP3190362
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(11) EP3125651	(11) EP3163914	(11) EP3191497
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(11) EP3126533	(11) EP3165930	(11) EP3192093
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(11) EP3126853	(11) EP3166155	(11) EP3192437
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(11) EP3127019	(11) EP3166828	(11) EP3192479
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(11) EP3139359	(11) EP3179320	(11) EP3195716
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(11) EP3139824	(11) EP3181548	(11) EP3195834
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(11) EP3140548	(11) EP3183232	(11) EP3196363
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(11) EP3141635	(11) EP3184272	(11) EP3196463
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(11) EP3144259	(11) EP3186626	(11) EP3196966
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(11) EP3144516	(11) EP3188510	(11) EP3197032
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(11) EP3147956	(11) EP3188708	(11) EP3197344
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(11) EP3201423	(11) EP3225913	(11) EP3242896
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(11) EP3202708	(11) EP3226115	(11) EP3242905
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(11) EP3208520	(11) EP3231621	(11) EP3243363
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(11) EP3208794	(11) EP3231840	(11) EP3244173
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(11) EP3210920	(11) EP3231863	(11) EP3244621
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(11) EP3211287	(11) EP3231982	(11) EP3244781
(00) 03.05.2023	(00) 03.05.2023	(00) 03.05.2023
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(11) EP3211767	(11) EP3232334	(11) EP3244957
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(11) EP3216459	(11) EP3235790	(11) EP3245047
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(11) EP3216965	(11) EP3237466	(11) EP3245070
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(11) EP3218295	(11) EP3238617	(11) EP3245106
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(11) EP3219284	(11) EP3240842	(11) EP3245148
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(11) EP3219988	(11) EP3241272	(11) EP3245339
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(11) EP3220382	(11) EP3241416	(11) EP3246465
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(11) EP3223383	(11) EP3242588	(11) EP3247234
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(11) EP3225200	(11) EP3242870	(11) EP3247256
(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023
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(00) 03.05.2023	(00) 01.02.2023	(00) 01.02.2023

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(11) EP3247494	(11) EP3250897	(11) EP3262443
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(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3247496	(11) EP3250970	(11) EP3262524
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3247558	(11) EP3251000	(11) EP3262611
(00) 01.02.2023	(00) 01.02.2023	(00) 01.02.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3247624	(11) EP3251218	(11) EP3262951
(00) 01.02.2023	(00) 01.02.2023	(00) 03.05.2023
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(11) EP3438541	(11) EP3449690	(11) EP3462652
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(11) EP3438601	(11) EP3450678	(11) EP3463980
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(11) EP3439484	(11) EP3453131	(11) EP3468227
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(11) EP3439485	(11) EP3455060	(11) EP3468437
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(11) EP3468863	(11) EP3485285	(11) EP3497607
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(11) EP3468924	(11) EP3486021	(11) EP3498520
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(11) EP3469749	(11) EP3487557	(11) EP3498788
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(11) EP3471478	(11) EP3488274	(11) EP3499540
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(11) EP3472290	(11) EP3488882	(11) EP3499985
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(11) EP3473487	(11) EP3492146	(11) EP3500920
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(11) EP3473652	(11) EP3492372	(11) EP3501784
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(11) EP3474372	(11) EP3492417	(11) EP3501986
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(11) EP3474783	(11) EP3493002	(11) EP3502226
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(11) EP3476556	(11) EP3493106	(11) EP3505821
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(11) EP3477695	(11) EP3493245	(11) EP3506465
(00) 03.05.2023	(00) 03.05.2023	(00) 03.05.2023
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(11) EP3479091	(11) EP3493284	(11) EP3506691
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(11) EP3481657	(11) EP3493538	(11) EP3508333
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(11) EP3483327	(11) EP3493861	(11) EP3508778
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(11) EP3483329	(11) EP3495293	(11) EP3509205
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(11) EP3484419	(11) EP3496120	(11) EP3509259
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(11) EP3484578	(11) EP3496821	(11) EP3510135
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(11) EP3510328	(11) EP3521442	(11) EP3535590
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(11) EP3511031	(11) EP3521595	(11) EP3535831
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(11) EP3511170	(11) EP3523473	(11) EP3536507
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(11) EP3512212	(11) EP3523709	(11) EP3537174
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(11) EP3513248	(11) EP3523749	(11) EP3537847
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(11) EP3513471	(11) EP3524392	(11) EP3538833
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(11) EP3513970	(11) EP3524411	(11) EP3539461
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(11) EP3516328	(11) EP3525584	(11) EP3540757
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(11) EP3516333	(11) EP3527145	(11) EP3540859
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(11) EP3516857	(11) EP3527307	(11) EP3541455
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(11) EP3520270	(11) EP3532877	(11) EP3543648
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(11) EP3520527	(11) EP3533114	(11) EP3544078
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(11) EP3520664	(11) EP3534038	(11) EP3544114
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(11) EP3521198	(11) EP3534155	(11) EP3544136
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VRB

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

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) Bernd Riepe Riepe, Angelika	(00) Assignment	Merck Sharp & Dohme LLC
(73) RIEPE GmbH & Co. KG	(71) Eberle, Manfred	(73) Merck Sharp & Dohme LLC
(11) EP1991644	(73) Eberle, Manfred	Pfizer Inc.
(00) 30.08.2023	(11) EP3057669	(11) EP3498734
(51) B29C 33/60	(00) 30.08.2023	(00) 11.08.2023
C10M 111/02	(51) A62C 3/00	(51) C07K 16/28
(00) Succession	A62C 37/08	A61K 31/4439
(71) RIEPE GmbH & Co. KG	(00) Assignment	A61P 35/00
(73) RIEPE GmbH & Co. KG	(71) Pfizer Inc.	A61K 39/395
(11) EP1991644	Merck Sharp & Dohme LLC	(00) Merge
(00) 30.08.2023	(73) Merck Sharp & Dohme LLC	(71) RemeGen Co., Ltd.
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C10M 111/02	(11) EP3102605	(11) EP3334462
(00) Assignment	(00) 11.08.2023	(00) 25.08.2023
(71) Bernd Riepe	(51) A61K 31/4439	(51) A61K 47/50
Riepe, Angelika	A61K 39/395	A61K 47/06
(73) RIEPE GmbH & Co. KG	A61P 35/00	A61K 31/5383
(11) EP2030751	C07K 16/28	A61K 31/426
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(51) B29C 33/60	(71) Preco, LLC	A61K 47/68
C10M 111/02	(73) Preco, LLC	C07K 16/32
(00) Succession	(11) EP2907613	(00) Assignment
(71) RIEPE GmbH & Co. KG	(00) 25.08.2023	(71) DriveCare International B.V.
(73) RIEPE GmbH & Co. KG	(51) B23K 26/16	(73) DriveCare International B.V.
(11) EP2030751	B23K 26/08	(11) EP3530012
(00) 30.08.2023	B23K 26/38	(00) 29.08.2023
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C10M 111/02	(71) Lutron Technology Company LLC	(00) Assignment
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(71) Quest Diagnostics Investments LLC	(11) EP3077721	(11) 2034000
(73) Quest Diagnostics Investments LLC	(00) 25.08.2023	(00) 07.08.2023
(11) EP2156174	(51) F21V 7/00	(51) F03D 13/25
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(51) G01N 33/50	F21Y 103/10	E02D 27/52
G01N 33/92	F21Y 113/17	E02D 27/16
(00) Change of Legal Entity	F21Y 115/10	(00) Assignment
(71) Townsend Industries, Inc.	(00) Assignment	(71) CJ Bioscience, Inc.
(73) Townsend Industries, Inc.	(71) PPG INDUSTRIES OHIO, INC.	(73) CJ Bioscience, Inc.
(11) EP2693993	cellcentric GmbH & Co. KG	(11) EP3630137
(00) 23.08.2023	(73) cellcentric GmbH & Co. KG	(00) 25.08.2023
(51) A61F 5/00	PPG INDUSTRIES OHIO, INC.	(51) A61K 35/74
A61F 5/02	(11) EP3560020	A61P 25/00
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(71) teveno GmbH	(51) H01M 8/0221	A23L 33/135
(73) teveno GmbH	H01M 8/0226	A61P 25/22
(11) EP2760411	H01M 8/0254	A61P 25/24
(00) 29.08.2023	H01M 8/1018	(00) Assignment
(51) A61F 5/01	(00) Assignment	(71) Aquapak IP Limited
A61F 5/34	(71) Takeda Pharmaceutical Company	(73) Aquapak IP Limited
A61H 9/00	Limited	(11) EP3350231
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(71) Riepe GmbH & Co. KG	Limited	(51) C08F 8/00
(73) Riepe GmbH & Co. KG	(11) EP3626258	(00) Assignment
(11) EP3105009	(00) 29.08.2023	(71) Alberto Roman
(00) 25.08.2023	(51) A61K 9/19	Filippo Roman
(51) B24B 9/18	A61K 38/46	Giulio Roman
B24B 29/00	A61K 38/47	Gaia Roman
B24B 29/02	A61P 25/00	(73) Giulio Roman
B24B 29/06	A61P 25/28	Filippo Roman
	(00) Assignment	Alberto Roman
	(71) Pfizer Inc.	Gaia Roman

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(51) A45B 25/14
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(71) SAINT-GOBAIN ISOVER
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G01N 21/958
(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) EP3969228	(11) EP3739943	(11) EP4063008
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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).