



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

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Introduction

Patent Bulletin

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

Official Journal

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

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Rubriek NP2 Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	11 Heading NP2 Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	11
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Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	16 Heading EP1 Contains data concerning translations of the conclusions of European patent applications.	16
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Rubriek SPC Bevat gegevens betreffende ingeschreven en verleende certificaten	322Heading SPC Contains data concerning applications for- or granted Supplementary Protection Certificates.	322
Rubriek VB1 Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.	323Heading VB1 Contains data concerning requests and notices of opposition under the General administrative law.	323
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Rubriek MED Bevat gegevens betreffende overige mededelingen.	325Heading MED Contains data concerning other communications.	325
Rubriek VRV Bevat gegevens betreffende verval of nietigverklaring.	327Heading VRV Contains data concerning lapse or annulment.	327
Rubriek VRB Bevat gegevens betreffende verbeteringen op eerdere publicaties.	362Heading VRB Contains data concerning corrections on earlier publications.	362
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Overzicht van Inid codes

INID CODES

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

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

INID CODES

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

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

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

Rubrieken/Headings

NP1

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

(51) A01F 25/13 E01C 9/08	alsmede een schuimafgifte-toestel en een drankafgifte-toestel	(51) A62B 3/00 B25F 5/00 B23D 29/02 B25F 1/00
(21) 1043245	(71) J.M. de Jong Duke Automatenfabriek B.V.	(21) 2023636
(22) 30.04.2019	(74) drs. A.A. Jilderda	(22) 13.08.2019
(54) COVER ELEMENT FOR CURVED SURFACES	(72) Andreas Jacobus Louis Nijsen Jaap Jozua van Boxtel Dennis Johannes Willard Maarten Wassink Cornelis de Groen	(54) FORCIBLE ENTRY TOOL (71) Holmatro B.V. (74) drs. P.F.H.M. van Someren c.s. (72) René Wilhelmus Johannes van Eindhoven
(71) JEAN-PAUL D'HONT (72) JEAN-PAUL D'HONT (41) 23.11.2020	(41) 23.11.2020	(41) 23.11.2020
(51) A01G 2/30 A01G 17/00	(51) A24F 40/20 A24F 40/42	(31) 2023050
(21) 2025234	(21) 2023032	(32) 02.05.2019
(22) 30.03.2020	(22) 30.04.2019	(33) Netherlands
(54) RAPID BREEDING METHOD FOR ANNUAL PLANTLETS OF DWARFING INTERSTOCK APPLE PLANTLETS	(54) Apparatus to be used for heating an aerosol generating material to generate an inhalable aerosol and/or gas	(51) B01D 15/22 G01N 30/60
(71) Shandong Institute of Pomology (74) dr. T. Wittop Koning PhD (72) Haibo Wang Ping He Yuansheng Chang Sen Wang Chuanzeng Wang Xiaowen He Li Xu Linguang Li	(71) HTL-DHT B.V. (74) ir. A. Blokland c.s. (72) Erik Albert Jakob Spaans (41) 23.11.2020	(21) 2025494 (22) 04.05.2020 (54) Chromatography beads container lifting system. (71) JEMP Holding bv (74) ir. J.H.W. Assendelft (72) Marcellus Johannes Hubertus Raedts (31) 2023071 (32) 03.05.2019 (33) Netherlands
(31) 201910371287.1 (32) 06.05.2019 (33) China	(51) A47L 23/20 A47L 23/26	(51) B01F 3/08 B01F 5/00 B01F 5/04 C02F 1/72
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(21) 2023999	(54) Energy-saving Full-automatic Sole Cleaning Machine	(54) Mixing device for mixing hydrogen peroxide and water
(22) 11.10.2019	(71) Beijing RisingMark Intellectual Property Agency Co., Ltd.	(71) Water IQ International B.V. (74) ir. G.J.M. Verhees (72) Freddy Dekkers (41) 23.11.2020
(54) Schuimvormingsinrichting voor het vormen van een vloeibaar schuim alsmede een schuimafgifte-toestel en een drankafgifte-toestel	(74) J. Hoekstra (72) Guanghui Ge Lin Li	(51) B01F 7/20 (21) 2024995 (22) 26.02.2020
(71) J.M. de Jong Duke Automatenfabriek B.V. (74) drs. A.A. Jilderda (72) Andreas Jacobus Louis Nijsen Jaap Jozua van Boxtel Dennis Johannes Willard Maarten Wassink Cornelis de Groen	(51) A47K 1/00 D06F 59/08	(54) JET-STIRRING COUPLED POWDERY FLOCCULATING AGENT QUANTITATIVE DISPERSING MIXING SYSTEM (71) Anhui University of Science and Technology (74) drs. P.A. van Essen c.s. (72) Wei Zhou Jinbo Zhu Fanfei Min Chuanchuan Cai Yong Zhang Anan Feng
(41) 23.11.2020 (31) 2023039 (32) 30.04.2019 (33) Netherlands	(21) 2026508 (22) 21.09.2020	(31) 201910367943.0 (32) 05.05.2019
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(21) 2024660	A STRUCTURE	(54) Verstellinstrument
(22) 13.01.2020	(71) Slagman Machining B.V.	(71) MCi (Mirror Controls International)
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(71) Anhui University of Science and	B25D 9/14	(41) 23.11.2020
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Han Zhang	TWO PUMPS FOR OIL SUPPLY	(54) Energy storing crane, vessel provided
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(41) 18.11.2020	(74) ir. M.F.J.M. Ketelaars c.s.	consuming equipment.
(31) 201910403078.0	(72) Lei Liu	(71) Itrec B.V.
(32) 15.05.2019	Ping Yu	(74) ir. J.C. Volmer c.s.
(33) China	Peipei Hao	(72) Maarten Hugo Hooftman
(51) B01J 27/055	Qian Wang	Terence Willem August Vehmeijer
G01N 5/04	(41) 19.11.2020	Cornelis Martinus van Veluw
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(21) 2024503	(32) 07.08.2019	(51) B65D 55/16
(22) 18.12.2019	(33) China	(21) 2023034
(54) METHOD FOR DETERMINING	(51) B28B 7/00	(22) 30.04.2019
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(71) Anhui University of Science and	(22) 02.05.2019	(71) SCHOLLE IPN IP B.V.
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(72) Jun Wang	(71) BLOCK MOULDS B.V.	(41) 23.11.2020
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Ye Zhang	B26F 1/38	(54) AFVALVERZAMELINRICHTING,
Fuhu Li	B41F 27/02	LOSINRICHTING EN WERKWIJZE
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(41) 18.11.2020	(21) 2023046	LOSINRICHTING
(31) 201911098710.1	(22) 01.05.2019	(71) Vconsyst Participaties B.V.
(32) 11.11.2019	(54) Bewerkingsstation voor het bewerken	(74) ir. F.A. Geurts c.s.
(33) China	van een substraatbaan	(72) Marcel Rijken
(51) B22F 3/10	(71) MPS Holding B.V.	Jurjen Wouter de Jong
B33Y 10/00	(74) ir. H.A. Witmans c.s.	Simon Petrus Kragtwijk
E02D 5/04	(72) Lambert Dirk van den Brink	(41) 23.11.2020
(21) 2023141	(41) 23.11.2020	(51) B65G 17/12
(22) 15.05.2019	(51) B41J 11/00	B65G 17/34
(54) 3D printen van damwanden	B41J 3/407	B65G 47/38
(71) Antea Nederland B.V.	B41J 19/14	E05D 11/10
(74) ir. J.P.E. Brants	G01N 21/88	(21) 2023040
(72) Erwin Korporaal	G01N 21/89	(22) 30.04.2019
Bob Heester	(21) 2023057	(54) Bomb bay sorter and tray
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(41) 19.11.2020	(54) A Method of Printing with a Scanning-	(74) drs. P.F.H.M. van Someren c.s.
(51) B22F 3/105	Type Printer	(72) Erik Andreas van Holten
B23K 26/342	(71) Canon Production Printing Holding B.V.	Menno Jansen
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(21) 2023029		

(22) 02.05.2019	(51) E21B 17/042	Congying Jiao
(54) Method for producing malt	(21) 2023042	(41) 19.11.2020
(71) Water IQ International B.V.	(22) 30.04.2019	(51) G03F 7/00
(74) ir. G.J.M. Verhees	(54) Threaded connection for hammering interconnected tubular members	G03F 7/20
(72) Freddy Dekkers	(71) Tenaris Connections B.V.	(21) 2023051
Irina Bolat	(74) ir. J.C. Volmer c.s.	(22) 02.05.2019
Koenraad Dumont	(72) Luciano Omar Mantovano	(54) Framework for a replication device, replication device as well as method for producing nanostructured and/or microstructured components by means of a 5 replication device
(41) 23.11.2020	(41) 23.11.2020	(71) SUSS MicroTec Lithography GmbH
(51) C12N 9/00	(51) E21B 19/06	(74) ir. J.C. Volmer c.s.
C12N 15/52	E21B 3/02	(72) Raoul Kirner
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(21) 2025428	(21) 2023058	Andreas Nagy
(22) 26.04.2020	(22) 02.05.2019	(41) 23.11.2020
(54) Malus Domestica 4-Coumaric Acid: Coenzyme A Ligase 4 Gene and Encoded Protein and Application Thereof	(54) A WELLBORE DRILLING TOP DRIVE SYSTEM AND OPERATIONAL METHODS.	(51) G03F 7/20
(71) Shandong Institute of Pomology	(71) Itrec B.V.	(21) 2025260
(74) dr. T. Wittop Koning PhD	(74) ir. J.C. Volmer c.s.	(22) 02.04.2020
(72) Haibo Wang	(72) Diederick Bernardus Wijning	(54) METHOD FOR DETERMINING AN ALIGNMENT MODEL BASED ON AN OBLIQUE FITTING TECHNIQUE
Yuansheng Chang	(41) 23.11.2020	(71) ASML Netherlands B.V.
Sen Wang	(51) F23K 5/00	(74) ir. A.J.M. van Hoef
Chuanzeng Wang	F23N 5/24	(72) Edo Maria Hulsebos
Xiaowen He	(21) 2023052	(31) 19172514.2
Li Xu	(22) 02.05.2019	(32) 03.05.2019
Linguang Li	(54) Werkwijze en inrichting voor het afsluiten van een gasdrukregelinrichting	(33) European Patent Office (EPO)
Ping He	(71) gAvilar B.V.	(51) G03F 7/20
(31) 201910371292.2	(74) mr. ir. J.H. Klooster	(21) 2025433
(32) 06.05.2019	(72) Frank Eisenga	(22) 28.04.2020
(33) China	Lianne Mostert	(54) APPARATUS FOR AND METHOD OF CONTROLLING DROPLET FORMATION
(51) D02G 3/04	Pieter Klijs	(71) ASML Netherlands B.V.
D02G 3/44	(41) 23.11.2020	(74) ir. A.J.M. van Hoef
D03D 15/00	(51) G01D 21/02	(72) Joshua Mark Lukens
(21) 2025600	G06K 9/62	(31) 62/843,712
(22) 18.05.2020	G08C 19/00	(32) 06.05.2019
(54) High temperature resistant yarn, composite fabric and protective fabric	(21) 2024502	(33) United States of America
(71) CHANGSHU BAOFENG SPECIAL FIBER CO., LTD.	(22) 18.12.2019	(51) G03F 7/20
(74) ir. A. Blokland c.s.	(54) POTENTIAL AND TEMPERATURE ACQUISITION NETWORK TRANSMISSION SYSTEM BASED ON DATA FUSION STRUCTURE	(21) 2025265
(72) Lixia Cao	(71) Anhui University of Science and Technology	(22) 02.04.2020
Zhijia Ding	(74) drs. P.A. van Essen c.s.	(54) DARK FIELD MICROSCOPE
Jun Qian	(72) Ruijin Li	(71) ASML Netherlands B.V.
Jianmei Ding	Leilei Sun	(74) ir. A.J.M. van Hoef
(41) 18.11.2020	Laigong Guo	(72) Sebastianus Adrianus Goorden
(31) 201910714965.X	Mingsan Ouyang	(31) 19172766.8
(32) 05.08.2019	(41) 19.11.2020	(32) 06.05.2019
(33) China	(31) 201911205075.2	(33) European Patent Office (EPO)
(51) E01F 9/65	(32) 29.11.2019	(51) G05B 13/04
E01F 9/673	(33) China	G06F 30/00
G09F 7/22	(51) G01N 31/22	G06F 30/20
(21) 2023044	G01N 33/18	H02J 1/10
(22) 01.05.2019	G06Q 10/06	(21) 2024943
(54) Rotatable traffic sign system.	(21) 2025445	(22) 19.02.2020
(71) Koninklijke BAM Groep N.V.	(22) 28.04.2020	(54) A Distributed Cooperative Control Method for Optimizing a DC Power Grid
(74) ir. J.C. Volmer c.s.	(54) METHOD FOR EVALUATING ECOLOGICAL RISKS OF AMMONIA-NITROGEN IN WATER	(71) Central South University
(72) Diederik Tuin	(71) Chinese Research Academy of Environmental Sciences	(74) ir. H.A. Witmans c.s.
Omar Darwish	(74) dr. T. Wittop Koning PhD	(72) Zhangjie Liu
(41) 23.11.2020	(72) Zhenguang Yan	Ruisong Liu
(51) E04B 1/68	Yizhang Zhang	Wendong Feng
(21) 2023031	Xin Zheng	Mei Su
(22) 30.04.2019	Xiaojing Xu	Hua Han
(54) Waterstop joint and method of installing a waterstop joint		Hui Wang
(71) Trelleborg Ridderkerk B.V.		(41) 23.11.2020
(74) drs. P.F.H.M. van Someren c.s.		
(72) Dirk Jan Dingeman van Waardhuizen		
(41) 23.11.2020		

(31) 201910360425.6

(32) 30.04.2019

(33) China

(51) H01B 7/00

H01B 7/42

B60L 53/18

H01B 9/00

(21) 2023045

(22) 01.05.2019

(54) Cable assembly

(71) Prysmian S.p.A.

(74) ir. A. Blokland c.s.

(72) Andreas Neumann

(51) H01F 1/44

(21) 2023082

(22) 07.05.2019

(54) FERROFLUID

(71) Urban Mining Corp B.V.

(74) ir. H.A. Witmans c.s.

(72) Piotr Jakub Glazer

Shriya Reddy Paida

Peter Carlo Rem

(41) 23.11.2020

(51) H05H 1/24

(21) 2026308

(22) 20.08.2020

(54) GAS-INSULATED DIELECTRIC
BARRIER DISCHARGE DEVICE

(71) Nanjing University of Aeronautics and
Astronautics

(74) ir. R. Wijnstra

(72) Shuqun Wu

Yuxiu Chen

Yanan Gu

Xuhui Liu

Fan Ouyang

Chaohai Zhang

NP2

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

(51) A01F 25/13 E01C 9/08	Jaap Jozua van Boxtel Dennis Johannes Willard	(54) Preparation Method for Porous Nano-hydroxyapatite Sustained Release Gel
(11) 1043245	Maarten Wassink	(73) Shanghai Moyang Biotechnology Co.,Ltd.
(47) 23.11.2020	Cornelis de Groen	(72) Jia Liu
(22) 30.04.2019	(74) drs. A.A. Jilderda	(74) J. Hoekstra
(54) COVER ELEMENT FOR CURVED SURFACES	(31) 2023039	(31) 201910323669.7
(73) JEAN-PAUL D'HONT	(32) 30.04.2019	(32) 22.04.2019
(72) JEAN-PAUL D'HONT	(33) Netherlands	(33) China
(51) A01G 18/70	(51) A23P 30/40	(51) A61M 15/00
(11) 2023708	A47J 31/44	A61M 11/00
(47) 23.11.2020	(11) 2023039	A61M 16/20
(22) 26.08.2019	(47) 23.11.2020	(11) 2023033
(54) OOGSTTRANSPORTINRICHTING EN WERKWIJZE	(22) 30.04.2019	(47) 23.11.2020
(73) Hendrik van den Top	(54) Schuimvormingsinrichting voor het vormen van een vloeibaar schuim alsmede een schuimafgifte-toestel en een drankafgifte-toestel	(22) 30.04.2019
Bart Jan van den Top	(73) J.M. de Jong Duke Automatenfabriek B.V.	(54) Spray inhaler device
(72) Hendrik van den Top	(72) Andreas Jacobus Louis Nijsen	(73) Medspray B.V.
Bart Jan van den Top	Jaap Jozua van Boxtel	(72) Wilhelmus Petrus Johannes de Kruijf
(74) ir. F.E. Hoeven	Dennis Johannes Willard	Cornelis Johannes Maria van Rijn
(31) 2021499	Maarten Wassink	Wietze Nijdam
(32) 25.08.2018	Cornelis de Groen	Henri Joseph van Egmond
(33) Netherlands	(74) drs. A.A. Jilderda	(74) drs. A.A. Jilderda
(51) A01G 22/20	(74) drs. A.A. Jilderda	(51) A62B 3/00
A01G 25/00	(51) A24F 40/20	B25F 5/00
(11) 2024921	A24F 40/42	B23D 29/02
(47) 18.11.2020	(11) 2023032	B25F 1/00
(22) 17.02.2020	(47) 23.11.2020	(11) 2023636
(54) PRECISION IRRIGATION METHOD BASED ON WATER DEMAND CHARACTERISTICS OF WINTER WHEAT IN A YELLOW RIVER IRRIGATION AREA	(22) 30.04.2019	(47) 23.11.2020
(73) Crop Research Institute, Shandong Academy of Agricultural Sciences	(54) Apparatus to be used for heating an aerosol generating material to generate an inhalable aerosol and/or gas	(22) 13.08.2019
(72) Shengdong Li	(73) HTL-DHT B.V.	(54) FORCIBLE ENTRY TOOL
Xiangjun Bi	(72) Erik Albert Jakob Spaans	(73) Holmatro B.V.
Jisheng Si	(74) ir. A. Blokland c.s.	(72) René Wilhelmus Johannes van Eindhoven
Zongshuai Wang	(51) A61L 27/12	(74) drs. P.F.H.M. van Someren c.s.
Bo Feng	A61K 9/06	(31) 2023050
Huawei Li	A61L 27/52	(32) 02.05.2019
Fahong Wang	A61L 27/54	(33) Netherlands
Bin Zhang	(11) 2023794	(51) B01F 3/08
(74) ir. M.F.J.M. Ketelaars c.s.	(47) 18.11.2020	B01F 5/00
(31) 201910575694.4	(22) 09.09.2019	B01F 5/04
(32) 28.06.2019	(54) Porous Nano-hydroxyapatite Microsphere with High Porosity and a Preparation Method Thereof	C02F 1/72
(33) China	(73) Shanghai Moyang Biotechnology Co.,Ltd.	(11) 2023054
(51) A23P 30/40	(72) Jia Liu	(47) 23.11.2020
A47J 31/44	(74) J. Hoekstra	(22) 02.05.2019
(11) 2023999	(31) 201910324114.4	(54) Mixing device for mixing hydrogen peroxide and water
(47) 23.11.2020	(32) 22.04.2019	(73) Water IQ International B.V.
(22) 11.10.2019	(33) China	(72) Freddy Dekkers
(54) Schuimvormingsinrichting voor het vormen van een vloeibaar schuim alsmede een schuimafgifte-toestel en een drankafgifte-toestel	(51) A61L 27/12	(74) ir. G.J.M. Verhees
(73) J.M. de Jong Duke Automatenfabriek B.V.	A61K 9/06	(51) B01J 21/16
(72) Andreas Jacobus Louis Nijsen	A61L 27/52	B01J 23/75
	A61L 27/54	C01B 3/32
	(11) 2023785	(11) 2024660
	(47) 18.11.2020	(47) 18.11.2020
	(22) 06.09.2019	(22) 13.01.2020
		(54) SEPIOLITE DERIVED CATALYST WITH SPINEL STRUCTURE, AND PREPARATION METHOD AND APPLICATION THEREOF
		(73) Anhui University of Science and Technology

(72) Yishuang Wang Mingqiang Chen Zhiyuan Tang Chunsheng Wang Zhonglian Yang Han Zhang Jun Wang	B33Y 30/00 B33Y 50/02 (11) 2023029 (47) 23.11.2020 (22) 30.04.2019 (54) LASER METAL DEPOSITION DEVICE, PRODUCTION CELL, PRODUCTION SYSTEM, AND METHOD FOR MAKING A STRUCTURE	(72) Radu Vulpe (74) ir. M.J. Groen (51) B60R 1/074 B60R 1/076 (11) 2023038 (47) 23.11.2020 (22) 30.04.2019 (54) Verstellinstrument (73) MCi (Mirror Controls International) Netherlands B.V. (72) Peter Alexander Hamming Paulus Gerardus Maria van Stiphout (74) ir. H.A. Witmans c.s.
(74) drs. P.A. van Essen c.s. (31) 201910403078.0 (32) 15.05.2019 (33) China	(73) Slagman Machining B.V. (72) Cornelis Willem van Cappellen (74) drs. P.F.H.M. van Someren c.s.	(73) MCi (Mirror Controls International) Netherlands B.V. (72) Peter Alexander Hamming Paulus Gerardus Maria van Stiphout (74) ir. H.A. Witmans c.s.
(51) B01J 27/055 G01N 5/04 G01N 31/12 (11) 2024503 (47) 18.11.2020 (22) 18.12.2019 (54) METHOD FOR DETERMINING CONTENT OF CATALYST SODIUM HYDROGEN SULFATE IN FURFURAL RESIDUE	(51) B25D 9/12 B25D 9/14 E21B 1/26 F15B 1/00 F15B 15/28 (11) 2024459 (47) 19.11.2020 (22) 13.12.2019 (54) CONTINUOUS IMPACT SUPERCHARGING SYSTEM WITH TWO PUMPS FOR OIL SUPPLY	(74) ir. H.A. Witmans c.s. (51) B63B 27/10 B63B 21/00 B63C 11/52 B66C 13/14 B66C 23/52 (11) 2023056 (47) 23.11.2020 (22) 02.05.2019 (54) Energy storing crane, vessel provided therewith, and method for serving energy consuming equipment. (73) Itrec B.V. (72) Maarten Hugo Hooftman Terence Willem August Vehmeijer Cornelis Martinus van Veluw (74) ir. J.C. Volmer c.s.
(73) Anhui University of Science and Technology (72) Jun Wang Jinhui Wang Mingqiang Chen Minggong Chen Yishuang Wang Zhonglian Yang Ye Zhang Fuhu Li Shaomin Liu Yiming Yu	(73) Xuzhou Institute of Technology (72) Lei Liu Ping Yu Peipei Hao Qian Wang (74) ir. M.F.J.M. Ketelaars c.s. (31) 201921271621.8 (32) 07.08.2019 (33) China	(74) ir. J.C. Volmer c.s. (51) B65B 21/18 B65G 11/20 (11) 2025436 (47) 23.11.2020 (22) 28.04.2020 (54) INRICHTING VOOR HET OVERZETTEN VAN FLESSEN EN WERKWIJZE VOOR HET OVERZETTEN VAN FLESSEN (73) E&M Projects bvba (72) Kristof Breemersch (74) S. Eeckhaoudt PhD (31) BE2019/0039 (32) 29.04.2019 (33) Belgium
(74) drs. P.A. van Essen c.s. (31) 201911098710.1 (32) 11.11.2019 (33) China	(51) B28B 7/00 B28B 7/02 B28B 7/16 (11) 2023049 (47) 23.11.2020 (22) 02.05.2019 (54) MAL VOOR HET VERVAARDIGEN VAN BETONBLOKKEN	(54) INRICHTING VOOR HET OVERZETTEN VAN FLESSEN EN WERKWIJZE VOOR HET OVERZETTEN VAN FLESSEN (73) E&M Projects bvba (72) Kristof Breemersch (74) S. Eeckhaoudt PhD (31) BE2019/0039 (32) 29.04.2019 (33) Belgium
(51) B07B 1/30 B07B 1/42 B07B 1/46 (11) 2024633 (47) 23.11.2020 (22) 09.01.2020 (54) Layered Sand - Gravel Screening Device	(74) ir. M.B. Plaggenborg (51) B41F 13/04 B26F 1/38 B41F 27/02 B41F 33/08 B44B 5/00 (11) 2023046 (47) 23.11.2020 (22) 01.05.2019 (54) Werkingsstation voor het bewerken van een straatbaan	(51) B65D 55/16 (11) 2023034 (47) 23.11.2020 (22) 30.04.2019 (54) A CLOSURE ASSEMBLY COMPRISING A CAP WITH INTEGRATED TAMPER- EVIDENT RING AND STRAP (73) SCHOLLE IPN IP B.V. (72) Frederik Adriaan van Spronsen (74) ir. J.C. Volmer c.s.
(73) Shaanxi University of Technology (72) Zhifeng Li Jialei Zhao Limin Zhang Yongqiang Zhao (74) dr. T. Wittop Koning PhD (31) 201910029021.9 (32) 12.01.2019 (33) China	(74) ir. M.B. Plaggenborg (51) B41F 13/04 B26F 1/38 B41F 27/02 B41F 33/08 B44B 5/00 (11) 2023046 (47) 23.11.2020 (22) 01.05.2019 (54) Werkingsstation voor het bewerken van een straatbaan	(51) B65D 55/16 (11) 2023034 (47) 23.11.2020 (22) 30.04.2019 (54) A CLOSURE ASSEMBLY COMPRISING A CAP WITH INTEGRATED TAMPER- EVIDENT RING AND STRAP (73) SCHOLLE IPN IP B.V. (72) Frederik Adriaan van Spronsen (74) ir. J.C. Volmer c.s.
(51) B22F 3/10 B33Y 10/00 E02D 5/04 (11) 2023141 (47) 19.11.2020 (22) 15.05.2019 (54) 3D printen van damwanden	(73) MPS Holding B.V. (72) Lambert Dirk van den Brink (74) ir. H.A. Witmans c.s. (51) B41J 11/00 B41J 3/407 B41J 19/14 G01N 21/88 G01N 21/89 (11) 2023057 (47) 23.11.2020 (22) 02.05.2019 (54) A Method of Printing with a Scanning- Type Printer	(74) ir. J.C. Volmer c.s. (51) B65F 1/12 B65F 1/14 B65F 3/02 (11) 2023030 (47) 23.11.2020 (22) 30.04.2019 (54) AFVALVERZAMELINRICHTING, LOSINRICHTING EN WERKWIJZE VOOR HET LEGEN VAN DE AFVALVERZAMELINRICHTING IN DE LOSINRICHTING (73) Vconsyst Participaties B.V. (72) Marcel Rijken Jurjen Wouter de Jong
(73) Antea Nederland B.V. (72) Erwin Korporaal Bob Heester Matthijs van Joolingen (74) ir. J.P.E. Brants	(73) Antea Nederland B.V. (72) Erwin Korporaal Bob Heester Matthijs van Joolingen (74) ir. J.P.E. Brants	(73) Vconsyst Participaties B.V. (72) Marcel Rijken Jurjen Wouter de Jong
(51) B22F 3/105 B23K 26/342 B33Y 10/00	(54) A Method of Printing with a Scanning- Type Printer (73) Canon Production Printing Holding B.V.	(73) Vconsyst Participaties B.V. (72) Marcel Rijken Jurjen Wouter de Jong

Simon Petrus Kragtwijk (74) ir. F.A. Geurts c.s.	(72) Diederik Tuin Omar Darwish	Guiyu Li (74) ir. H.A. Witmans c.s.
(51) B65G 17/12	(74) ir. J.C. Volmer c.s.	(51) G01D 21/02
B65G 17/34	(51) E03C 1/04	G06K 9/62
B65G 47/38	(11) 2023795	G08C 19/00
E05D 11/10	(47) 23.11.2020	(11) 2024502
(11) 2023040	(22) 09.09.2019	(47) 19.11.2020
(47) 23.11.2020	(54) Ceramic Cartridge Faucet with Leakproof Structure	(22) 18.12.2019
(22) 30.04.2019	(73) Shanghai Green Sun Architecture Hardware Co., Ltd.	(54) POTENTIAL AND TEMPERATURE ACQUISITION NETWORK TRANSMISSION SYSTEM BASED ON DATA FUSION STRUCTURE
(54) Bomb bay sorter and tray	(72) Qihua Huang	(73) Anhui University of Science and Technology
(73) EAE Solutions Holding B.V.	(74) J. Hoekstra	(72) Ruijin Li
(72) Erik Andreas van Holten	(31) 201821899594.4	Lellei Sun
Menno Jansen	(32) 19.11.2018	Laigong Guo
(74) drs. P.F.H.M. van Someren c.s.	(33) China	Mingsan Ouyang
(51) C10G 1/00	(51) E04B 1/68	(74) drs. P.A. van Essen c.s.
C10G 1/10	(11) 2023031	(31) 201911205075.2
C10G 7/00	(47) 23.11.2020	(32) 29.11.2019
C10G 31/08	(22) 30.04.2019	(33) China
C10G 67/02	(54) Waterstop joint and method of installing a waterstop joint	(51) G01N 5/02
(11) 2024523	(73) Trelleborg Ridderkerk B.V.	G01N 7/14
(47) 23.11.2020	(72) Dirk Jan Dingeman van Waardhuizen	G01N 15/08
(22) 19.12.2019	(74) drs. P.F.H.M. van Someren c.s.	(11) 2024554
(54) METHOD FOR CO-PROCESSING	(51) E21B 17/042	(47) 23.11.2020
(73) Neste Oyj	(11) 2023042	(22) 22.12.2019
(72) Pekka Aalto	(47) 23.11.2020	(54) GAS-LIQUID TWO-PHASE SATURATED COAL ROCK SAMPLE EXPERIMENTAL DEVICE AND SATURATION TEST METHOD
Blanka Toukoniitty	(22) 30.04.2019	(73) China University of Mining and Technology
Ville Paasikallio	(54) Threaded connection for hammering interconnected tubular members	(72) Caifang Wu
(74) ir. M.F.J.M. Ketelaars c.s.	(73) Tenaris Connections B.V.	Jiang Han
(31) 20186136	(72) Luciano Omar Mantovano	Guanlin Li
(32) 28.12.2018	(74) ir. J.C. Volmer c.s.	Xiaojie Fang
(33) Finland	(51) E21B 19/06	(74) dr. J. van Straaten
(51) C12C 1/02	E21B 3/02	(31) 201910059348.0
(11) 2023053	E21B 15/00	(32) 22.01.2019
(47) 23.11.2020	(11) 2023058	(33) China
(22) 02.05.2019	(47) 23.11.2020	(51) G01N 31/22
(54) Method for producing malt	(22) 02.05.2019	G01N 33/18
(73) Water IQ International B.V.	(54) A WELLBORE DRILLING TOP DRIVE SYSTEM AND OPERATIONAL METHODS.	G06Q 10/06
(72) Freddy Dekkers	(73) Itrec B.V.	(11) 2025445
Irina Bolat	(72) Diederick Bernardus Wijning	(47) 19.11.2020
Koenraad Dumont	(74) ir. J.C. Volmer c.s.	(22) 28.04.2020
(74) ir. G.J.M. Verhees	(51) F23K 5/00	(54) METHOD FOR EVALUATING ECOLOGICAL RISKS OF AMMONIA-NITROGEN IN WATER
(51) D02G 3/04	F23N 5/24	(73) Chinese Research Academy of Environmental Sciences
D02G 3/44	(11) 2023052	(72) Zhenguang Yan
D03D 15/00	(47) 23.11.2020	Yizhang Zhang
(11) 2025600	(22) 02.05.2019	Xin Zheng
(47) 18.11.2020	(54) Werkwijze en inrichting voor het afsluiten van een gasdrukregelinrichting	Xiaoqing Xu
(22) 18.05.2020	(73) gAvilar B.V.	Congying Jiao
(54) High temperature resistant yarn, composite fabric and protective fabric	(72) Frank Eisenga	(74) dr. T. Wittop Koning PhD
(73) CHANGSHU BAOFENG SPECIAL FIBER CO., LTD.	Lianne Mostert	(51) G03F 1/00
(72) Lixia Cao	Pieter Klijs	G03F 1/62
Zhijia Ding	(74) mr. ir. J.H. Klooster	G03F 1/64
Jun Qian	(51) F24C 15/10	G03F 7/20
Jianmei Ding	(11) 2026480	G03F 9/00
(74) ir. A. Blokland c.s.	(47) 23.11.2020	H01L 21/67
(31) 201910714965.X	(22) 16.09.2020	(11) 2024985
(32) 05.08.2019	(54) GAS STOVE FOR PREVENTING COOKWARE FROM GETTING RUSTY	(47) 23.11.2020
(33) China	(73) Nanjing Enwell Technology Service Co., Ltd.	(22) 25.02.2020
(51) E01F 9/65	(72) Xianfeng Wu	
E01F 9/673		
G09F 7/22		
(11) 2023044		
(47) 23.11.2020		
(22) 01.05.2019		
(54) Rotatable traffic sign system.		
(73) Koninklijke BAM Groep N.V.		

(54) Apparatus for assembly of a reticle assembly	(22) 31.08.2020
(73) ASML Netherlands B.V.	(54) BLOCKCHAIN SYSTEM
(72) Ilya Malakhovsky	(73) AOWEI information technology (Jiangsu) Co., Ltd.
Derk Servatius Gertruda Brouns	(72) Jie Bai
Joffrey Rene Sylvian Craquelin	Xianfeng Wu
Edward Hage	Dongyun Li
Pieter Renaat Maria Hennis	(74) ir. J.C. Volmer c.s.
Jan Willem Adriaan Oosterling	(51) G06Q 40/04
Ludolf Postma	H04L 29/08
Marcel Duco Snel	(11) 2026378
Johannes Charles Adrianus van den Berg	(47) 18.11.2020
Wouter van der Chijs	(22) 31.08.2020
Bartel Joris van der Veek	(54) BLOCKCHAIN NETWORK SYSTEM
Mike Johannes Antonius van Kuijk	(73) AOWEI information technology (Jiangsu) Co., Ltd.
Marina Antoinetta Leonarda van Uum-Van Herk	(72) Jie Bai
Henricus Marinus Theodorus Wiersma	Xianfeng Wu
(74) ir. A.J.M. van Hoef	Dongyun Li
(31) 19159943.0	(74) ir. J.C. Volmer c.s.
19163828.7	(51) H01F 1/44
19191214.6	(11) 2023082
(32) 28.02.2019	(47) 23.11.2020
19.03.2019	(22) 07.05.2019
12.08.2019	(54) FERROFLUID
(33) European Patent Office (EPO)	(73) Urban Mining Corp B.V.
European Patent Office (EPO)	(72) Piotr Jakub Glazer
European Patent Office (EPO)	Shriya Reddy Paida
(51) G03F 7/00	Peter Carlo Rem
G03F 7/20	(74) ir. H.A. Witmans c.s.
(11) 2023051	
(47) 23.11.2020	
(22) 02.05.2019	
(54) Framework for a replication device, replication device as well as method for producing nanostructured and/or microstructured components by means of a 5 replication device	
(73) SUSS MicroTec Lithography GmbH	
(72) Raoul Kirner	
Wilfried Noell	
Andreas Nagy	
(74) ir. J.C. Volmer c.s.	
(51) G05B 13/04	
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G06F 30/20	
H02J 1/10	
(11) 2024943	
(47) 23.11.2020	
(22) 19.02.2020	
(54) A Distributed Cooperative Control Method for Optimizing a DC Power Grid	
(73) Central South University	
(72) Zhangjie Liu	
Ruisong Liu	
Wendong Feng	
Mei Su	
Hua Han	
Hui Wang	
(74) ir. H.A. Witmans c.s.	
(31) 201910360425.6	
(32) 30.04.2019	
(33) China	
(51) G06Q 20/40	
H04L 12/46	
(11) 2026382	
(47) 18.11.2020	

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

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Contains data concerning European patents granted for The Netherlands.

(51) A01B 29/06 A01B 63/22 A01B 63/24 A01B 73/04	Corsetti, Antonio Giuseppe (31) 201600113433 (32) 10.11.2016 (33) Italy	G01N 33/24 (11) EP3417690 (21) EP18178272.3 (47) 25.11.2020 (22) 18.06.2018
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<p>(54) ANTI-CLL1 SPECIFIC SINGLE-CHAIN CHIMERIC ANTIGEN RECEPTORS (SCCARs) FOR CANCER IMMUNOTHERAPY</p> <p>(73) Cellectis</p> <p>(72) SMITH, Julianne VALTON, Julien JUILLERAT, Alexandre DUCHATEAU, Philippe SASU, Barbra Johnson RAJPAL, Arvind</p> <p>(31) 201570044 (32) 26.01.2015 (33) Denmark</p> <hr/> <p>(51) A61K 39/395 G01N 33/574</p> <p>(11) EP3193927 (21) EP15753899.2 (47) 25.11.2020 (87) EP2015001699 24.03.2016 (22) 18.08.2015</p> <p>(54) A METHOD OF TREATING SOLID CANCERS AND/OR METASTASES THEREOF, MEDICAMENTS THEREFORE, AND A METHOD OF PREDICTING THE CLINICAL OUTCOME OF TREATING SOLID CANCERS AND/OR METASTASES THEREOF</p> <p>(73) Merck Patent GmbH</p> <p>(72) STRAUB, Josef STAUB, Eike</p> <p>(31) 201462051530 P (32) 17.09.2014 (33) United States of America</p> <hr/> <p>(51) A61K 48/00 C07K 7/08 C12N 15/63 A61K 38/08</p> <p>(11) EP3312191 (21) EP16811958.4 (47) 25.11.2020 (87) KR2016006430 22.12.2016 (22) 17.06.2016</p> <p>(54) PEPTIDE FOR PROMOTING BONE FORMATION OR INHIBITING BONE RESORPTION AND USE THEREOF</p> <p>(73) Seoul National University R&DB Foundation</p> <p>(72) MIN, Byung Moo</p> <p>(31) 20150086779 (32) 18.06.2015 (33) Korea (Republic)</p> <hr/> <p>(51) A61K 48/00 C12N 7/02</p> <p>(11) EP3256574 (21) EP16704576.4 (47) 25.11.2020 (87) EP2016052740 18.08.2016 (22) 09.02.2016</p> <p>(54) RECOMBINANT ADENO-ASSOCIATED VIRUS PARTICLE PURIFICATION COMPRISING AN AFFINITY PURIFICATION STEP</p>	<p>(73) INSERM - Institut National de la Santé et de la Recherche Médicale Université de Nantes Chu Nantes Association Française contre les Myopathies</p> <p>(72) BRUMENT, Nicole</p> <p>(31) 15305188 (32) 09.02.2015 (33) European Patent Office (EPO)</p> <hr/> <p>(51) A61K 49/00 C07D 401/14 G01N 33/48</p> <p>(11) EP3173785 (21) EP15823991.3 (47) 25.11.2020 (87) JP2015070676 28.01.2016 (22) 21.07.2015</p> <p>(54) LABELING REAGENT CONTAINING A MOLECULARLY TARGETED DRUG</p> <p>(73) Konica Minolta, Inc.</p> <p>(72) AIMIYA, Takuji FURUSAWA, Naoko</p> <p>(31) 2014149568 (32) 23.07.2014 (33) Japan</p> <hr/> <p>(51) A61K 49/18 A61P 25/00 A61P 35/00 C12N 15/113</p> <p>(11) EP2755692 (21) EP12831067.9 (47) 25.11.2020 (87) US2012055635 21.03.2013 (22) 14.09.2012</p> <p>(54) NANOCONJUGATES ABLE TO CROSS THE BLOOD-BRAIN BARRIER</p> <p>(73) Northwestern University</p> <p>(72) MIRKIN, Chad, A. KO, Caroline, H. STEGH, Alexander GILJOHANN, David, A. LUCIANO, Janina JENSEN, Sam</p> <p>(31) 201161534853 P (32) 14.09.2011 (33) United States of America</p> <hr/> <p>(51) A61K 49/22 B01F 3/04 B01F 3/08 B01F 5/04 B01F 11/02 B01F 13/00</p> <p>(11) EP3405278 (21) EP17701577.3 (47) 25.11.2020 (87) GB2017050144 27.07.2017 (22) 20.01.2017</p> <p>(54) METHOD AND APPARATUS FOR GENERATING BUBBLES</p> <p>(73) Oxford University Innovation Limited</p> <p>(72) STRIDE, Eleanor CARUGO, Dario BROWNING, Richard</p> <p>(31) 201601053</p>	<p>(32) 20.01.2016 (33) United Kingdom</p> <hr/> <p>(51) A61K 51/04 A61K 101/02 C07B 59/00</p> <p>(11) EP3484528 (21) EP17742717.6 (47) 25.11.2020 (87) EP2017067898 25.01.2018 (22) 14.07.2017</p> <p>(54) TAU PET IMAGING LIGANDS</p> <p>(73) Janssen Pharmaceutica NV</p> <p>(72) ANDRÉS-GIL, José, Ignacio BORMANS, Guy, Maurits, R. DECLERCQ, Lieven, Denis, Herwig FIERENS, Katleen LEENAERTS, Joseph, Elisabeth MOECHARS, Diederik, Willem, Elisabeth ROMBOUTS, Frederik, Jan, Rita KOLB, Hartmuth ZHANG, Wei</p> <p>(31) 201662363452 P 16204242 17152062 (32) 18.07.2016 15.12.2016 18.01.2017 (33) United States of America European Patent Office (EPO) European Patent Office (EPO)</p> <hr/> <p>(51) A61L 2/18 A61L 2/22 B29C 49/06 B29C 49/12 B29C 49/36 B29C 49/42 B29C 49/46 B29C 49/64 B29K 67/00 B29L 31/00 B65B 55/10</p> <p>(11) EP3109030 (21) EP15752147.7 (47) 25.11.2020 (87) JP2015054388 27.08.2015 (22) 18.02.2015</p> <p>(54) BLOW MOLDING MACHINE AND METHOD FOR STERILIZING SAME</p> <p>(73) Dai Nippon Printing Co., Ltd.</p> <p>(72) HAYAKAWA Atsushi SATO Yoshinori</p> <p>(31) 2014029369 2014262116 (32) 19.02.2014 25.12.2014 (33) Japan Japan</p> <hr/> <p>(51) A61L 2/20 C12M 1/12</p> <p>(11) EP2517735 (21) EP12165616.9 (47) 25.11.2020 (22) 26.04.2012 (54) Isolator (73) PHC Holdings Corporation (72) Yokoi, Yasuhiko</p>
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B32B 25/08	(73) Bayerische Motoren Werke	03.07.2018
B32B 25/16	Aktiengesellschaft	26.07.2018
B32B 27/08	(72) HAIRER, Gabriel	09.10.2018
B32B 27/20	LINDNER, Matthias	(33) United States of America
B32B 27/28	WIEDEMANN, Daniel	United States of America
B32B 27/30	(31) 102016213868	United States of America
B32B 27/32	(32) 28.07.2016	United States of America
C08L 25/06	(33) Germany	(51) B32B 5/00
C08L 71/12	(51) B32B 3/00	(11) EP2926987
(11) EP3448675	G02B 5/124	(21) EP15151172.2
(21) EP17718126.0	(11) EP3495134	(47) 25.11.2020
(47) 25.11.2020	(21) EP18215860.0	(22) 14.01.2015
(87) IB2017051609	(47) 25.11.2020	(54) NONWOVEN INTERLAYERS MADE
02.11.2017	(22) 15.04.2010	USING POLYMER-NANOPARTICLE
(22) 20.03.2017	(54) RETROREFLECTIVE ARTICLES	POLYMERS
(54) POLY(PHENYLENE ETHER)	INCLUDING OPTICALLY ACTIVE	(73) The Boeing Company
COMPOSITION, LINED PIPE AND	AREAS AND OPTICALLY INACTIVE	(72) Tsotsis, Thomas Karl
INJECTION MOLDED ARTICLE	AREAS	(31) 201414243642
PREPARED THEREFROM, AND	(73) 3M Innovative Properties Co.	(32) 02.04.2014
METHOD OF CONTROLLING	(72) FREE, Michael Benton	(33) United States of America
MICROBIAL GROWTH DURING WATER	THAKKAR, Bimal V.	(51) B32B 5/02
TRANSPORTATION AND STORAGE	MAZUREK, Mieczyslaw H.	B32B 5/08
(73) SABIC Global Technologies B.V.	SMITH, Kenneth L.	B32B 5/26
(72) KOEVOETS, Christiaan Henricus	PATEL, Suman K.	B32B 37/00
Johannes	COGGIO, William D.	B32B 37/04
FORTUIJN, Johannes E.	PEKUROVSKY, Mikhail L.	B32B 37/06
(31) 201662329348 P	(51) B32B 3/16	D04H 3/16
(32) 29.04.2016	B32B 5/02	D04H 5/06
(33) United States of America	B32B 27/12	(11) EP3060711
(51) B32B 1/08	B32B 27/30	(21) EP14793718.9
B32B 27/08	B32B 27/32	(47) 25.11.2020
B32B 27/12	B29C 48/08	(87) US2014061724
B32B 27/40	B29C 48/21	30.04.2015
B65D 1/00	B29C 48/49	(22) 22.10.2014
F16J 12/00	B29C 48/92	(54) NONWOVEN FILMLESS BACKSHEETS
F17C 1/16	(11) EP2658715	WITH GOOD BARRIER PROPERTIES
C08J 7/04	(21) EP11853459.3	(73) Dow Global Technologies LLC
(11) EP3212392	(47) 25.11.2020	(72) CLAASEN, Gert J.
(21) EP15791455.7	(87) IB2011055421	MARTIN, Jill M.
(47) 25.11.2020	05.07.2012	(31) 201314062962
(87) US2015057687	(22) 01.12.2011	(32) 25.10.2013
06.05.2016	(54) SEGMENTED FILMS WITH HIGH	(33) United States of America
(22) 28.10.2015	STRENGTH SEAMS	(51) B32B 5/02

B32B 5/18	07.09.2018	(73) Lintec Corporation
B32B 5/24	(22) 21.02.2018	(72) NAGANAWA Satoshi
B32B 5/26	(54) METHOD FOR MAKING A PRODUCT	SUZUKI Yuta
B32B 27/06	OF THE TYPE COMPRISING A	(31) 2011243407
B32B 27/12	LAMINAR SUPPORTING ELEMENT	(32) 07.11.2011
B32B 27/30	AND AN UPGRADING LAYER AND	(33) Japan
B60R 13/08	CORRESPONDING PRODUCTION	(51) B32B 15/00
G10K 11/168	SYSTEM	B32B 18/00
(11) EP3115192	(73) Agosti, Giacomino Adolfo	C04B 35/645
(21) EP15199794.7	(72) Agosti, Giacomino Adolfo	C04B 37/00
(47) 25.11.2020	(31) 201700022387	C04B 37/02
(22) 14.12.2015	(32) 28.02.2017	H01L 21/48
(54) MULTILAYER DASH ISOLATION PAD	(33) Italy	H01L 23/15
HAVING SUPERIOR FORMABILITY	(51) B32B 5/28	H01L 23/373
AND SOUND ABSORPTION	B32B 27/38	B33Y 10/00
PERFORMANCE	C08G 59/22	(11) EP3326986
(73) Hyundai Motor Company	C08J 5/24	(21) EP16200876.7
Kia Motors Corporation	C08L 51/00	(47) 25.11.2020
(72) LEE, Jung Wook	C08L 63/00	(22) 28.11.2016
JOO, Kil Bu	(11) EP3208309	(54) PROCESS FOR THE MANUFACTURE
SEO, Won Jin	(21) EP15851424.0	OF A METAL-CERAMIC SUBSTRATE
SEO, Dae Won	(47) 25.11.2020	(73) Infineon Technologies AG
PARK, Bong Hyun	(87) JP2015079060	(72) ROTH, Alexander
JUNG, Pan Ki	21.04.2016	(51) B32B 15/01
JEONG, Kie Youn	(22) 14.10.2015	C21D 1/26
RYU, Seung Soo	(54) RESIN COMPOSITION AND PRESS-	C21D 6/00
KIM, Keun Young	MOLDED ARTICLE OF SAME	C21D 8/02
(31) 20150098432	(73) Mitsubishi Chemical Corporation	C21D 9/46
(32) 10.07.2015	(72) TERANISHI, Takuya	C22C 18/00
(33) Korea (Republic)	OTA, Akira	C22C 38/02
(51) B32B 5/02	ICHINO, Masahiro	C22C 38/06
B32B 7/12	KONDO, Toru	C22C 38/22
B32B 27/12	(31) 2014211346	C22C 38/24
B32B 27/20	(32) 16.10.2014	C22C 38/28
B32B 27/32	(33) Japan	C22C 38/32
D06M 15/263	(51) B32B 7/12	C22C 38/34
D06M 15/277	B32B 27/32	C22C 38/38
D06M 15/333	C08L 23/06	C22C 38/42
D06N 3/04	C08L 23/22	C22C 38/50
D06N 3/18	C08L 51/06	C22C 38/54
(11) EP3519622	C09J 123/06	C23C 2/06
(21) EP17784442.0	C09J 7/28	C23C 2/28
(47) 25.11.2020	(11) EP3197972	C23C 2/40
(87) US2017051974	(21) EP15772175.4	(11) EP3498876
05.04.2018	(47) 25.11.2020	(21) EP17839569.5
(22) 18.09.2017	(87) US2015051463	(47) 25.11.2020
(54) COATED POLYESTER FABRIC	31.03.2016	(87) JP2017029036
(73) Dow Global Technologies LLC	(22) 22.09.2015	15.02.2018
(72) THAKUR, Varun	(54) POLYOLEFIN-BASED COMPOSITIONS,	(22) 10.08.2017
ULTSCH, Stefan	ADHESIVES, AND RELATED MULTI-	(54) COLD-ROLLED HIGH-STRENGTH
PRIETO GOUBERT, Miguel, A.	LAYERED STRUCTURES PREPARED	STEEL SHEET, AND PRODUCTION
CONLEY, Burcak	THEREFROM	METHOD THEREFOR
VAN DUN, Jozef, J.I.	(73) Equistar Chemicals, LP	(73) JFE Steel Corporation
(31) 201662400816 P	(72) BOTROS, Maged G.	(72) KOHSAKA Noriaki
(32) 28.09.2016	(31) 201462053947 P	SAKURAI Michitaka
(33) United States of America	(32) 23.09.2014	SUZUKI Yoshikazu
(51) B32B 5/26	(33) United States of America	HIMEI Yoshimasa
B32B 9/02	(51) B32B 9/00	(31) 2016157760
B32B 37/06	C08J 7/12	2017139539
B32B 38/06	C23C 14/48	(32) 10.08.2016
B32B 38/10	(11) EP2777930	19.07.2017
B32B 38/16	(21) EP12847937.5	(33) Japan
C14B 1/56	(47) 25.11.2020	Japan
C14B 7/02	(87) JP2012076383	(51) B32B 15/01
(11) EP3589489	16.05.2013	H01B 1/02
(21) EP18708219.3	(22) 12.10.2012	H01M 2/20
(47) 25.11.2020	(54) GAS BARRIER FILM AND METHOD	H01M 2/24
(87) IB2018051062	FOR PRODUCING GAS BARRIER FILM	(11) EP3152049

(21) EP15802507.2	KISHI, Masahiro	08.03.2017
(47) 25.11.2020	NAKAMURA, Nobuhiro	08.03.2017
(87) US2015034207	ISOBE, Mamoru	08.03.2017
10.12.2015	(31) 2013099112	08.03.2017
(22) 04.06.2015	2013261821	08.03.2017
(54) LOW NICKEL, MULTIPLE LAYER	(32) 09.05.2013	08.03.2017
LAMINATE COMPOSITE	18.12.2013	08.03.2017
(73) EMS ENGINEERED MATERIALS	(33) Japan	(33) United States of America
SOLUTIONS, LLC	Japan	United States of America
(72) HARDY, Michael, D.	(51) B32B 17/10	United States of America
HAYNES, Michael	(11) EP2964463	United States of America
(31) 201462007679 P	(21) EP14709901.4	United States of America
(32) 04.06.2014	(47) 25.11.2020	United States of America
(33) United States of America	(87) EP2014053994	United States of America
(51) B32B 15/08	12.09.2014	United States of America
C09D 5/00	(22) 28.02.2014	United States of America
C09D 177/00	(54) VEHICLE ROOF	United States of America
C09D 183/04	(73) AGC Glass Europe	United States of America
C09J 11/04	(72) LINTHOUT, Sébastien	United States of America
C09J 11/06	LOSOT, Rotislav	United States of America
C23C 26/00	(31) 201300142	United States of America
H05K 3/38	(32) 04.03.2013	United States of America
C09D 7/61	(33) Belgium	United States of America
C09D 7/63	(51) B32B 17/10	(51) B32B 17/10
(11) EP3438220	B32B 23/08	B32B 23/08
(21) EP17795817.0	B32B 23/18	B32B 23/18
(47) 25.11.2020	B32B 23/20	B32B 23/20
(87) JP2017009992	B32B 27/22	B32B 27/22
16.11.2017	B32B 27/30	B32B 27/30
(22) 13.03.2017	B32B 7/02	B32B 7/02
(54) FILM-FORMING COMPOSITION,	(11) EP3426488	(11) EP3426487
METHOD FOR PRODUCING	(21) EP17764168.5	(21) EP17764166.9
SURFACE-TREATED METAL MEMBER,	(47) 25.11.2020	(47) 25.11.2020
AND METHOD FOR PRODUCING	(87) US2017021729	(87) US2017021726
METAL-RESIN COMPOSITE	14.09.2017	14.09.2017
(73) MEC Company Ltd.	(22) 10.03.2017	(22) 10.03.2017
(72) AKIYAMA, Daisaku	(54) CELLULOSE ESTER MULTILAYER	(54) CELLULOSE ESTER MULTILAYER
SENGOKU, Yoichi	INTERLAYERS	INTERLAYERS
TOMATSU, Itsuro	(73) Solutia Incorporated	(73) Solutia Inc.
OKADA, Masao	(72) WADE, Bruce, Edward	(72) KARAGIANNIS, Aristotelis
MITANI, Ryoko	KARAGIANNIS, Aristotelis	WADE, Bruce, Edward
JOKO, Keisuke	DONELSON, Michael, Eugene	DONELSON, Michael, Eugene
AMITANI, Yasutaka	TRAN, Khanh, Duc	TRAN, Khanh, Duc
SATOMI, Tokuya	(31) 201662306756 P	CUI, Weihong
TAKAHASHI, Masaru	201662306762 P	(31) 201662306748 P
(31) 2016094536	201662306765 P	201662306752 P
(32) 10.05.2016	201662306757 P	201662306762 P
(33) Japan	201662306770 P	201662306765 P
(51) B32B 17/06	201662306748 P	201662306756 P
C03C 17/34	201662306774 P	201662306770 P
H01L 51/52	201662306752 P	201662306774 P
H05B 33/02	201715453522	201662306757 P
H05B 33/26	201715453636	201715453506
(11) EP2995595	201715453613	201715453636
(21) EP14794913.5	201715453486	201715453748
(47) 25.11.2020	201715453506	201715453466
(87) JP2014060550	201715453748	201715453486
13.11.2014	201715453466	201715453586
(22) 11.04.2014	201715453758	201715453613
(54) TRANSLUCENT SUBSTRATE,	(32) 11.03.2016	201715453758
ORGANIC LED ELEMENT AND	11.03.2016	201715453522
METHOD OF MANUFACTURING	11.03.2016	(32) 11.03.2016
TRANSLUCENT SUBSTRATE	11.03.2016	11.03.2016
(73) AGC Inc.	11.03.2016	11.03.2016
(72) MASHIMO, Takahiro	11.03.2016	11.03.2016
KIHARA, Naoto	11.03.2016	11.03.2016
MAESHIGE, Kazunobu	11.03.2016	11.03.2016
FUJIWARA, Teruo	08.03.2017	11.03.2016

11.03.2016	(32) 10.06.2009	(21) EP15791152.0
08.03.2017	(33) United States of America	(47) 25.11.2020
08.03.2017	(51) B32B 27/00	(87) US2015057136
08.03.2017	B32B 27/16	06.05.2016
08.03.2017	B32B 27/20	(22) 23.10.2015
08.03.2017	B32B 27/40	(54) MULTILAYER FILM AND RELATED
08.03.2017	B32B 38/14	MATERIALS AND METHODS
08.03.2017	(11) EP3129223	(73) Dow Global Technologies LLC
08.03.2017	(21) EP15777583.4	(72) LEE, Jong Young
08.03.2017	(47) 25.11.2020	LIN, Yijian
(33) United States of America	(87) KR2015003504	PATEL, Rajen M.
United States of America	15.10.2015	(31) 201462072637 P
United States of America	(22) 08.04.2015	(32) 30.10.2014
United States of America	(54) PANEL FOR HOME APPLIANCE AND	(33) United States of America
United States of America	MANUFACTURING METHOD THEREOF	(51) B32B 27/08
United States of America	(73) LG Electronics Inc.	B32B 27/32
United States of America	(72) LIM, Jonghun	(11) EP3317101
United States of America	KIM, Joonbeom	(21) EP16734531.3
United States of America	JUNG, Dongju	(47) 25.11.2020
United States of America	(31) 20140043259	(87) US2016038605
United States of America	(32) 10.04.2014	05.01.2017
United States of America	(33) Korea (Republic)	(22) 22.06.2016
United States of America	(51) B32B 27/00	(54) MULTI-LAYERED FILMS ORIENTED
United States of America	B32B 27/32	IN THE MACHINE DIRECTION AND
United States of America	B60J 1/00	ARTICLES COMPRISING THE SAME
United States of America	B32B 7/02	(73) Dow Global Technologies LLC
United States of America	(11) EP2724856	(72) BARRENECHE, Felipe Martinez
(51) B32B 18/00	(21) EP12804037.5	(31) 201562187122 P
C04B 35/565	(47) 25.11.2020	(32) 30.06.2015
C04B 35/571	(87) JP2012065950	(33) United States of America
C04B 35/573	03.01.2013	(51) B32B 27/32
C04B 35/80	(22) 22.06.2012	(11) EP3052316
C04B 41/00	(54) LAMINATE FILM AND AUTOMOTIVE	(21) EP14761481.2
C04B 41/45	WINDOW GLASS USING SAME	(47) 25.11.2020
C04B 41/52	(73) Toray Industries, Inc.	(87) US2014051866
C04B 41/89	(72) UTO, Takayuki	02.04.2015
(11) EP3392034	OSADA, Syunichi	(22) 20.08.2014
(21) EP18167904.4	GOUDA, Wataru	(54) POLYMER COMPOSITIONS AND
(47) 25.11.2020	MATSUO, Yuji	ARTICLES MADE THEREFROM
(22) 18.04.2018	(31) 2011141587	(73) ExxonMobil Chemical Patents Inc.
(54) METHOD TO PROCESS A CERAMIC	(32) 27.06.2011	(72) WILLIAMS, Michael Glenn
MATRIX COMPOSITE (CMC) WITH A	(33) Japan	(31) 201361884484 P
PROTECTIVE CERAMIC COATING	(51) B32B 27/08	(32) 30.09.2013
(73) Rolls-Royce High Temperature	B32B 27/30	(33) United States of America
Composites Inc	B32B 27/32	(51) B32B 33/00
(72) SHIM, Sungbo	B32B 27/34	B32B 37/00
(31) 201762487284 P	B32B 7/06	B32B 38/06
201762589181 P	(11) EP3490791	B42D 15/00
(32) 19.04.2017	(21) EP17751887.5	B44B 5/00
21.11.2017	(47) 25.11.2020	B44B 5/02
(33) United States of America	(87) US2017044097	B44C 1/00
United States of America	01.02.2018	C25D 1/00
(51) B32B 27/00	(22) 27.07.2017	C25D 1/10
(11) EP2440406	(54) MULTILAYER STRUCTURES,	C25D 5/02
(21) EP10786735.0	MULTILAYER FILMS, AND PACKAGES	C25D 7/08
(47) 25.11.2020	FORMED THEREFROM	B42D 25/00
(87) US2010037888	(73) Dow Global Technologies LLC	B42D 25/324
16.12.2010	(72) GARGALAKA, João, JR.	B42D 25/328
(22) 09.06.2010	MAZZOLA, Nicolas Cardoso	B42D 25/373
(54) WEATHERABLE POLYVINYLIDENE	DE FOGGI CARIOLI, Rafaela	B42D 25/435
FLUORIDE COATED SUBSTRATES	CANTU, Marcelo Delmar	(11) EP3239362
(73) Arkema Inc.	GOMES, Jorge Caminero	(21) EP16167538.4
(72) KOSAR, Walter	(31) 201662367863 P	(47) 25.11.2020
WOOD, Kurt A.	(32) 28.07.2016	(22) 28.04.2016
SKILTON, Wayne	(33) United States of America	(54) METHOD FOR GENERATING LIGHT-
O'BRIEN, Gregory S.	(51) B32B 27/08	BENDING STRUCTURES ON A
AUBART, Mark A.	B32B 27/32	LAMINATING TOOL
(31) 185782 P	(11) EP3212398	(73) VTT Verschleißtechnik GmbH

(72) POST, Harry KÖTHER, Jan DMOCHOWSKI, Michal	09.09.2015 (33) Germany Germany Germany Germany Germany	(73) FUJIFILM Corporation (72) SATO, Noriaki SUZUKI, Shota (31) 2015171418 (32) 31.08.2015 (33) Japan
(51) B33Y 50/02 B29C 64/393 (11) EP3526008 (21) EP17777433.8 (47) 25.11.2020 (87) US2017050578 19.04.2018 (22) 08.09.2017 (54) CHARACTERIZATION AND CONTROL SYSTEM AND METHOD FOR A RESIN (73) General Electric Company (72) DEPALMA, Stephanie Lynn O'BRIEN, Michael Joseph POTTER, Brittany Nicole (31) 201615291253 (32) 12.10.2016 (33) United States of America	(51) B41J 2/00 B41J 2/04 B41M 3/00 C23C 14/00 C23C 14/04 C23C 14/12 C23C 14/24 H01L 51/00 (11) EP3157071 (21) EP16193557.2 (47) 25.11.2020 (22) 12.10.2016 (54) APPARATUS AND METHOD FOR PRINTING MULTILAYER ORGANIC THIN FILMS FROM VAPOR PHASE IN AN ULTRA-PURE GAS AMBIENT (73) Universal Display Corporation (72) MCGRAW, Gregory QUINN, William E. KOTTAS, Gregg HARIKRISHNA MOHAN, Siddharth KING, Matthew (31) 201562240148 P 201615290101 (32) 12.10.2015 11.10.2016 (33) United States of America United States of America	(51) B41J 2/01 B41M 5/00 C09D 11/101 C09D 11/322 C09D 11/38 (11) EP3263656 (21) EP15883388.9 (47) 25.11.2020 (87) JP2015085005 01.09.2016 (22) 15.12.2015 (54) WHITE INK COMPOSITION FOR PHOTOCURABLE INKJET PRINTING (73) Sakata INX Corp. (72) HIROSE, Tadashi FUKE, Kazuhiro (31) 2015037077 (32) 26.02.2015 (33) Japan
(51) B41C 1/14 B41N 1/24 H05K 3/12 (11) EP2923836 (21) EP15160433.7 (47) 25.11.2020 (22) 24.03.2015 (54) METHOD FOR MANUFACTURING A PRINTING STENCIL FOR TECHNICAL PRINTING (73) Christian Koenen GmbH (72) Koenen, Christian (31) 102014205547 (32) 25.03.2014 (33) Germany	(51) B41J 2/01 B41J 2/045 B41J 2/14 B41J 2/16 B41J 2/21 (11) EP3406449 (21) EP17741488.5 (47) 25.11.2020 (87) JP2017001763 27.07.2017 (22) 19.01.2017 (54) INKJET RECORDING DEVICE AND INKJET RECORDING METHOD (73) Ricoh Company, Ltd. (72) FUJII, Ichiroh HABASHI, Hisashi (31) 2016007759 (32) 19.01.2016 (33) Japan	(51) B41J 2/01 B41M 5/00 C09D 11/30 (11) EP3401373 (21) EP16883765.6 (47) 25.11.2020 (87) JP2016087586 13.07.2017 (22) 16.12.2016 (54) UV-CURABLE INKJET INK COMPOSITION (73) Showa Aluminum Can Corporation (72) OJIMA, Shinichi IKEDA, Kazunori SUWA, Asumi (31) 2016001757 (32) 07.01.2016 (33) Japan
(51) B41F 19/00 B41F 21/00 B65H 9/00 B65H 9/10 B65H 29/04 B65H 29/24 B65H 29/66 (11) EP3288763 (21) EP16719410.9 (47) 25.11.2020 (87) EP2016059643 03.11.2016 (22) 29.04.2016 (54) MACHINE ASSEMBLY OF SHEET PRINTING PRESSES HAVING MULTIPLE UNITS (73) Koenig & Bauer AG (72) ZIEGENBALG, Christian PATZELT, Bernd NICKELL, Hartmut RIESE, Martin SINGER, Stefan KOCH, Heinz Michael REINSCH, Carsten (31) 102015208044 102015213431 102015215003 102015216874 102015217229 (32) 30.04.2015 17.07.2015 06.08.2015 03.09.2015	(51) B41J 2/01 B41M 5/00 C08F 2/44 C08L 75/04 C09D 11/30 (11) EP3345967 (21) EP16841276.5 (47) 25.11.2020 (87) JP2016069939 09.03.2017 (22) 05.07.2016 (54) INK COMPOSITION FOR INKJET RECORDING, METHOD FOR MANUFACTURING THE SAME, AND INKJET RECORDING METHOD	(51) B41J 2/04 B41J 2/135 B41J 2/14 B41J 2/175 (11) EP3212420 (21) EP14905122.9 (47) 25.11.2020 (87) US2014063187 06.05.2016 (22) 30.10.2014 (54) INK JET PRINTHEAD (73) Hewlett-Packard Development Company, L.P. (72) WHITE, Lawrence H. AGARWAL, Arun K. BURNS, Ron
(31) 102015208044 102015213431 102015215003 102015216874 102015217229 (32) 30.04.2015 17.07.2015 06.08.2015 03.09.2015	(51) B41J 2/04 B41J 2/14 (11) EP3471965 (21) EP17745496.4 (47) 25.11.2020 (87) IB2017053488 21.12.2017 (22) 13.06.2017 (54) A NOZZLE FOR INK-JET PRINTERS	

(73) System Ceramics S.p.A.	(11) EP3272538	(33) United Kingdom
(72) STEFANI, Franco	(21) EP17181260.5	United Kingdom
OUASSIF, Mohamed	(47) 25.11.2020	United Kingdom
(31) UA20164471	(22) 13.07.2017	
(32) 17.06.2016	(54) HEAD MODULE, LIQUID JETTING	(51) B41J 2/47
(33) Italy	APPARATUS INCLUDING THE SAME,	G01S 7/481
(51) B41J 2/045	AND CASE	G02B 26/08
(11) EP3385080	(73) BROTHER KOGYO KABUSHIKI KAISHA	G02B 26/10
(21) EP18164619.1	(72) MORI, Shogo	G02B 27/01
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(54) A TYRE SENSOR DEVICE	(73) Bae Systems Hägglunds Aktiebolag	SPRING DEVICE
(73) Pirelli Tyre S.p.A.	(72) BODIN, Anders	(73) SAF-HOLLAND GmbH
		(72) FÄTH, Stefan
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THE TILTING SYSTEM OF A VEHICLE	SCHILLING, Florian	METHOD OF OPERATING SUCH A
WITH THREE OR MORE TILTING	NITTNAUS, Ferdinand	REAR DOOR
WHEELS	TONCHEV, Anton	(73) Ford Otomotiv Sanayi Anonim Sirketi
(73) Qooder S.A.	KOZEK, Martin	(72) Kose, Hasan
(72) MARABESE, Riccardo	LUCHINI, Elisabeth	Gülüm, Ali
MORONI, Marco	(31) 102016005981	Kürklü, İlhan
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B60T 13/74	(33) Germany	(51) B60J 7/20
F16D 65/28	(51) B60H 1/00	(11) EP3536528
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LEE, Yen-Hsiu	COMPRISES A BEARING	(51) B60J 10/242
HUANG, Bi-Song	COMPONENT IN PARTICULAR FOR A	B60J 10/248
(31) 106138551	DAMPER DOOR OF A VENTILATING	B60J 10/35
(32) 08.11.2017	DEVICE	B60J 10/50
(33) Taiwan, Province of China	(73) Dr. Schneider Kunststoffwerke GmbH	(11) EP3325298
(51) B60G 21/055	(72) Kamm, Daniel	(21) EP16739510.2
F16C 11/06	(31) 102018121470	(47) 25.11.2020
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(21) EP17750294.5	(33) Germany	26.01.2017
(47) 25.11.2020	(51) B60H 1/32	(22) 19.07.2016
(87) JP2017004615	H04W 4/021	(54) EXTRUDED SEALING STRIP WITH
17.08.2017	H04W 4/40	VENTING OPENINGS
(22) 08.02.2017	H04W 4/90	(73) CQLT SaarGummi Technologies S.à.r.l.
(54) METHOD FOR MANUFACTURING	(11) EP3396982	(72) KAST, Chistian
BALL JOINT AND METHOD FOR	(21) EP18169344.1	(31) 102015111722
MANUFACTURING STABILIZER LINK	(47) 25.11.2020	(32) 20.07.2015
(73) NHK Spring Co., Ltd.	(22) 25.04.2018	(33) Germany
(72) KURODA, Shigeru	(54) METHOD AND APPARATUS FOR	(51) B60K 1/00
(31) 2016023994	VEHICLE HEAT DISSIPATION	B60K 17/34
(32) 10.02.2016	(73) Beijing Xiaomi Mobile Software Co., Ltd.	B60K 25/00
(33) Japan	(72) CHU, Yue Yue	B60K 1/04
(51) B60H 1/00	XIE, Yan	(11) EP3575119
(11) EP3256337	(31) 201710281586	(21) EP19166721.1
(21) EP16767286.4	(32) 26.04.2017	(47) 25.11.2020
(47) 25.11.2020	(33) China	(22) 02.04.2019
(87) EP2016072269	(51) B60J 5/04	(54) POWER SUPPLY UNIT
04.05.2017	B62D 25/06	(73) Yazaki Corporation
(22) 20.09.2016	B62D 27/02	(72) SATAKE, Shuuji
(54) ROOFTOP-MOUNTED AIR-	(11) EP3486150	(31) 2018104790
CONDITIONING INSTALLATION	(21) EP18215728.9	(32) 31.05.2018
(73) EBM-Papst Mulfingen GmbH&CO. KG	(47) 25.11.2020	(33) Japan
(72) RATHGEB, Josef	(22) 11.12.2017	(51) B60K 1/00
HAAF, Oliver	(54) METHOD OF PRODUCING A	B62D 21/02
(31) 102015118557	VEHICULAR PANEL STRUCTURE	

B62D 21/11	(54) DRIVE DEVICE FOR A VEHICLE AXLE, IN PARTICULAR A REAR AXLE	(72) YOSHIOKA, Terunobu
B62D 29/00		(31) 2015101437
B62D 29/04	(73) Audi AG	2015101438
(11) EP3533644	(72) HUMMEL, Steffen	(32) 18.05.2015
(21) EP19150543.7	(31) 102016218717	18.05.2015
(47) 25.11.2020	(32) 28.09.2016	(33) Japan
(22) 07.01.2019	(33) Germany	Japan
(54) VEHICLE POWER TRAIN WITH A DRIVING ELECTRIC MACHINE SUSPENDED FROM A HYBRID CROSSMEMBER WITH FILTERING PARTS	(51) B60K 5/12	(51) B60K 17/16
	F16F 13/00	F16C 35/04
(73) PSA Automobiles SA	(11) EP3523152	F16H 48/00
(72) CHALVET, MANUEL	(21) EP17784357.0	F16H 57/021
KREIS, ADRIEN	(47) 25.11.2020	F16H 57/037
LAMBERT, SAMUEL	(87) FR2017052520	(11) EP2855955
	12.04.2018	(21) EP13797684.1
(31) 1851754	(22) 20.09.2017	(47) 25.11.2020
(32) 28.02.2018	(54) COMPOSITE SHIM FOR A POWERTRAIN	(87) SE2013050588
(33) France	(73) PSA Automobiles SA	05.12.2013
	Cooper Standard France	(22) 23.05.2013
(51) B60K 1/00	(72) CHALVET, Manuel	(54) DRIVEN AXLE GEAR FOR A MOTOR VEHICLE
H01M 2/10	KREIS, Adrien	(73) Scania CV AB
H01M 2/20	SOUQUET, Irene	(72) KARLSSON, Stefan
H01M 2/26	HERCOUET, Roland	(31) 1250544
H01M 10/613	VIVION, Aurelien	(32) 28.05.2012
H01M 10/625	TIREL, Yvon	(33) Sweden
H01M 10/643	(31) 1659629	
H01M 10/6554	(32) 06.10.2016	(51) B60K 23/04
H01M 10/6555	(33) France	B60K 23/08
H01M 10/6557		F16H 59/14
H01M 10/6567	(51) B60K 7/00	F16H 59/66
B60K 1/04	B60K 17/356	F16H 61/02
B60L 50/60	F16H 61/431	(11) EP2730817
B60L 58/26	F16H 61/433	(21) EP13186812.7
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(21) EP17796663.7	(21) EP17829659.6	(22) 01.10.2013
(47) 25.11.2020	(47) 25.11.2020	(54) Method and control device for controlling a for controlling a transfer case and/or a differential lock of a vehicle
(87) US2017031687	(87) EP2017084505	
16.11.2017	28.06.2018	(73) ZF Friedrichshafen AG
(22) 09.05.2017	(22) 22.12.2017	(72) Nusser, Stefan Michael
(54) ELECTRIC BATTERY ASSEMBLY	(54) TRACKER HYDRAULIC ASSISTANCE DEVICE FOR A SLAVE CRAFT	Schuster, Michael
(73) Nikola Corporation	(73) Poclain Hydraulics Industrie	(31) 102012220677
(72) MILTON, Trevor, R.	(72) SOHIER, Vincent	(32) 13.11.2012
LYNK, Kevin, M.	(31) 1663238	(33) Germany
HEATON, Anthony, A.	(32) 22.12.2016	
GRAY, Kyle	(33) France	(51) B60K 23/04
DAVIS, Robert, Dane		B60W 10/22
(31) 201662333722 P	(51) B60K 15/04	B60W 10/16
201615268249	(11) EP3546267	B60W 30/045
201615294258	(21) EP18165048.2	(11) EP3100893
(32) 09.05.2016	(47) 25.11.2020	(21) EP16172854.8
16.09.2016	(22) 29.03.2018	(47) 25.11.2020
14.10.2016	(54) CAPLESS CLOSURE DEVICE FOR A FUEL TANK FILLER NECK OF VEHICLE AND A VEHICLE COMPRISING SUCH A DEVICE	(22) 03.06.2016
(33) United States of America	(73) Volvo Car Corporation	(54) METHOD TO CONTROL A ROAD VEHICLE WITH AN ELECTRONICALLY CONTROLLED SELF-LOCKING DIFFERENTIAL WHEN DRIVING ALONG A CURVE
United States of America	(72) Ahlberg, Johan	(73) FERRARI S.p.A.
United States of America		(72) VARISCO, Stefano
(51) B60K 1/02		VASTA, Fabrizio
B60K 17/02	(51) B60K 17/02	(31) UB20151084
B60K 17/04	B60K 17/06	(32) 04.06.2015
B60K 17/08	F16H 57/023	(33) Italy
B60K 17/16	F16H 57/033	
B60K 17/354	(11) EP3299668	(51) B60K 28/02
(11) EP3519222	(21) EP16796185.3	B60K 28/10
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(47) 25.11.2020	(87) JP2016059188	B60W 40/09
(87) EP2017068537	24.11.2016	B60W 40/103
05.04.2018	(22) 23.03.2016	
(22) 21.07.2017	(54) TRANSMISSION	(11) EP3313683
	(73) Yanmar Co., Ltd.	

(21) EP16727400.0	(32) 08.02.2016	(54) DEVICE FOR COVERING A
(47) 25.11.2020	(33) Japan	DASHBOARD PART OF A MOTOR
(87) EP2016062080	(51) B60K 35/00	VEHICLE
29.12.2016	B60R 16/02	(73) RENAULT s.a.s.
(22) 27.05.2016	E02F 3/34	(72) JULIEN, GILLON
(54) METHOD FOR DETERMINING A	E02F 9/26	LAURENT, PERRIN
DANGEROUS DRIVING INDICATOR OF	F01N 3/08	(31) 1656371
A VEHICLE	F01N 3/20	(32) 04.07.2016
(73) IFP Energies nouvelles	F01N 11/00	(33) France
(72) THIBAUT, Laurent	F15B 11/08	(51) B60K 37/06
MOULIN, Philippe	G07C 5/00	(11) EP3574393
(31) 1555924	(11) EP3023552	(21) EP18700656.4
(32) 26.06.2015	(21) EP14827009.3	(47) 25.11.2020
(33) France	(47) 25.11.2020	(87) EP2018050727
(51) B60K 28/06	(87) JP2014068129	02.08.2018
B60R 1/00	22.01.2015	(22) 12.01.2018
G03B 15/00	(22) 08.07.2014	(54) OPERATING DEVICE FOR A MOTOR
G06T 5/00	(54) POWER SHOVEL	VEHICLE
G08B 21/00	(73) Sumitomo (S.H.I.) Construction	(73) Behr-Hella Thermocontrol GmbH
H04N 5/225	Machinery Co., Ltd.	(72) FISCHER, Christoph
H04N 5/232	(72) IZUMIKAWA, Takeya	SCHWAB, Tobias
G02B 1/115	ISHII, Nobuyuki	(31) 102017101412
(11) EP3370410	(31) 2013148883	(32) 25.01.2017
(21) EP16859297.0	(32) 17.07.2013	(33) Germany
(47) 25.11.2020	(33) Japan	(51) B60K 37/06
(87) JP2016004712	(51) B60K 35/00	G06F 3/01
04.05.2017	G02B 27/01	G06F 3/03
(22) 26.10.2016	G03B 21/16	(11) EP3373117
(54) IMAGING DEVICE	(11) EP3528043	(21) EP18161080.9
(73) KYOCERA CORPORATION	(21) EP19156141.4	(47) 25.11.2020
(72) KOISHI, Tomofumi	(47) 25.11.2020	(22) 09.03.2018
(31) 2015210095	(22) 08.02.2019	(54) METHOD FOR CONTROLLING
(32) 26.10.2015	(54) PROJECTOR AND HEAD-UP DISPLAY	AT LEAST ONE FUNCTION OF A
(33) Japan	DEVICE INCLUDING PROJECTOR	VEHICLE BY THE COMPLETION OF
(51) B60K 31/00	(73) Alpine Electronics, Inc.	AT LEAST ONE CONTROL GESTURE
(11) EP3177474	(72) UCHIYAMA, Ryu	ASSOCIATED WITH THIS FUNCTION
(21) EP15747462.8	(31) 2018026054	(73) Valeo Comfort and Driving Assistance
(47) 25.11.2020	(32) 16.02.2018	(72) PINOTEAU, Jérémie
(87) EP2015067869	(33) Japan	BALANDREAU, Pierre-Emmanuel
11.02.2016	(51) B60K 37/00	MIGUEL, Fabien
(22) 04.08.2015	B60K 37/04	(31) 1751939
(54) METHOD FOR GENERATING A	B60R 7/06	(32) 09.03.2017
SURROUNDINGS MAP, AND DRIVER	B60R 11/00	(33) France
ASSISTANCE SYSTEM	B60R 11/02	(51) B60K 37/06
(73) Valeo Schalter und Sensoren GmbH	B60R 13/02	G06F 3/041
(72) BARIANT, Jean-Francois	B62D 25/14	G06F 3/044
HEIMBERGER, Markus	(11) EP3458300	(11) EP3559790
GEIGER, Roland	(21) EP17725711.0	(21) EP17825253.2
MICHAEL, Anto	(47) 25.11.2020	(47) 25.11.2020
(31) 102014111127	(87) FR2017051058	(87) EP2017084559
(32) 05.08.2014	23.11.2017	28.06.2018
(33) Germany	(22) 03.05.2017	(22) 22.12.2017
(51) B60K 35/00	(54) FRONT PASSENGER-SIDE	(54) INTERFACE FOR A MOTOR VEHICLE
B60R 11/02	DASHBOARD ARRANGEMENT	AND MOUNTING METHOD
G02B 27/01	HAVING A SUPPORT FRAME FOR	(73) DAV
H04N 5/74	ELECTRONIC UNITS	(72) AUBRY, Anthony
(11) EP3415973	(73) PSA Automobiles SA	WANIR, Said
(21) EP17750154.1	(72) THIEBAULT, Ludovic	(31) 1663305
(47) 25.11.2020	(31) 1654471	(32) 23.12.2016
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17.08.2017	(33) France	(51) B60K 37/06
(22) 02.02.2017	(51) B60K 37/00	H01H 13/52
(54) DISPLAY DEVICE AND HEAD-UP	B60R 13/02	(11) EP3450243
DISPLAY	B62D 1/18	(21) EP18189883.4
(73) Nippon Seiki Co., Ltd.	(11) EP3266639	(47) 25.11.2020
(72) MOROHASHI, Kazuo	(21) EP17177700.6	(22) 21.08.2018
SATO, Megumi	(47) 25.11.2020	
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(73) Marquardt GmbH	(73) NISSAN MOTOR CO., LTD.	(73) ALSTOM Transport Technologies
(72) Klaiber, Christof	(72) OONO, Shou	(72) FLENA, Daniele
Huber, Matthias	ITOU, Ken	BASSANI, Felice
Kramer, Markus	(31) 2012094722	PEREGO, Andrea
(31) 102017120411	(32) 18.04.2012	BINDA, Claudio
(32) 05.09.2017	(33) Japan	
(33) Germany	(51) B60L 15/20	(51) B60M 3/04
(51) B60L 1/00	H02P 29/00	B60M 5/02
B63H 21/17	(11) EP3360724	B61L 1/12
B63H 21/20	(21) EP16853406.3	B61L 1/18
B63H 23/12	(47) 25.11.2020	B61L 23/06
B63H 23/24	(87) JP2016077390	B61L 23/16
B63J 3/02	13.04.2017	B61L 27/00
F01K 15/04	(22) 16.09.2016	B61L 99/00
F01K 23/06	(54) ELECTRIC VEHICLE CONTROL DEVICE, ELECTRIC VEHICLE CONTROL SYSTEM, AND ELECTRIC VEHICLE CONTROL METHOD	(11) EP3351454
H02H 9/00	(73) Hitachi Automotive Systems, Ltd.	(21) EP18151450.6
H02K 47/00	(72) SUZUKI, Keisuke	(47) 25.11.2020
B60L 3/00	KANEKO, Satoshi	(22) 12.01.2018
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(21) EP16305376.2	(32) 09.10.2015	(73) Dual Inventive Holding B.V.
(47) 25.11.2020	(33) Japan	(72) VAN DER POEL, Lex Josephus Maria
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(54) ELECTRICAL POWER DISTRIBUTION SYSTEM, METHOD FOR SUPPLYING A CORRESPONDING LOAD, PROPULSION SYSTEM AND METHOD FOR A SHIP	(11) EP3390143	2019317
(73) GE Energy Power Conversion Technology Ltd	(21) EP16874895.2	(32) 13.01.2017
(72) LECLERE, Loic	(47) 25.11.2020	21.07.2017
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	22.06.2017	Netherlands
(51) B60L 3/04	(22) 16.12.2016	(51) B60N 2/02
B60L 3/12	(54) ELECTRIC VEHICLE AND VEHICLE-MOUNTED CHARGER AND METHOD FOR CONTROLLING THE SAME	(11) EP3418109
H02J 7/00	(73) BYD Company Limited	(21) EP18178973.6
B60L 53/14	(72) WANG, Xinghui	(47) 25.11.2020
B60L 53/30	(31) 201510956675	(22) 21.06.2018
B60L 53/62	(32) 18.12.2015	(54) POWER SUPPLY RAIL
B60L 58/12	(33) China	(73) Mik Electronic Corporation
B60L 58/21	(51) B60L 53/16	(72) MIYATA, Muneyoshi
B60L 58/24	(11) EP3050176	MORISHITA, Hideaki
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(22) 22.12.2017	16.04.2015	(51) B60P 1/16
(54) CHARGING A LITHIUM BATTERY ON A UTILITY VEHICLE	(22) 18.09.2014	F15B 9/08
(73) Textron Innovations Inc.	(54) ELECTRICAL DEVICE COMPRISING AN ELECTRICAL OUTLET COMPRISING A MAGNET AND CUT-OFF MEANS, AND ASSOCIATED ELECTRICAL ASSEMBLY	F15B 9/10
(72) HARVEY, Arthur James	(73) Legrand France	(11) EP3513079
PADGETT, Norman R.	Legrand SNC	(21) EP17784394.3
LEDDEN, John	(72) CHAUMENY, Jean-Luc	(47) 25.11.2020
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(32) 30.12.2016	(32) 26.09.2013	(22) 18.09.2017
30.01.2017	(33) France	(54) VALVE FOR A SINGLE-ACTING CYLINDER AND ITS ASSEMBLY IN A MOTOR VEHICLE'S TIPPER BODY
(33) United States of America	(51) B60M 1/24	(73) INTERPUMP HYDRAULICS S.p.A.
United States of America	H02G 7/05	(72) SILIMBANI, Ruggero
(51) B60L 15/20	H02G 11/00	FORNACIARI, Andrea
B60L 3/00	(11) EP3609029	GAMBERINI, Daniele
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(87) AT2017060216	(54) VEHICULAR LAMP	(72) ROSSO, Serge
15.03.2018	(73) ZKW Group GmbH	CASTRO, Rosa
(22) 08.09.2017	(72) JO, Juung	(31) 1657013
(54) REST FOR A LASHING OR FASTENING	(31) 20160139355	(32) 22.07.2016
MEANS	(32) 25.10.2016	(33) France
(73) Kässbohrer Transport Technik GmbH	(33) Korea (Republic)	(51) B60Q 1/26
(72) MEIXNER, Stefan	(51) B60Q 1/00	B60Q 1/32
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(32) 08.09.2016	F21S 41/14	B60J 10/75
(33) Austria	F21S 41/29	(11) EP3519219
(51) B60P 7/00	F21S 43/14	(21) EP17764372.3
B60P 7/15	F21S 43/50	(47) 25.11.2020
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(21) EP18186097.4	(21) EP10778846.5	05.04.2018
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(22) 27.07.2018	(87) EP2010006152	(54) WINDOW BAY RUNNER
(54) A PLATFORM AND A RETAINING	14.04.2011	ARRANGEMENT
SYSTEM FOR TRANSPORT VEHICLES	(22) 08.10.2010	(73) Fysam Auto Decorative GmbH
(73) Fami S.R.L.	(54) LIGHTING UNIT FOR VEHICLES	(72) VETTER, Rolf
(72) MILANI, Luca	(73) HELLA GmbH & Co. KGaA	SIRRENBURG, Stefan
(31) 201700105822	(72) SCHÄFER, Heinrich	(31) 102016218755
(32) 21.09.2017	SUDAHL, Jörg	(32) 28.09.2016
(33) Italy	LARRANAGA ARTEAGA, Rafael	(33) Germany
(51) B60P 7/15	EHLERT, Stefan	(51) B60R 1/00
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(47) 25.11.2020	(33) Germany	(11) EP3487173
(22) 27.10.2016	(51) B60Q 1/04	(21) EP17886319.7
(54) TIE-DOWN BAR WITH DOUBLE	B60Q 1/14	(47) 25.11.2020
BIASING MEANS AND	H02M 3/155	(87) JP2017035987
CORRESPONDING INSTALLATION	H05B 45/37	05.07.2018
METHOD	H05B 45/48	(22) 03.10.2017
(73) Ack Forankra	(11) EP3334255	(54) IMAGE GENERATION DEVICE,
(72) BIAUD, Richard	(21) EP16832912.6	IMAGE GENERATION SYSTEM,
VACAS RUIZ, Angel	(47) 25.11.2020	IMAGE GENERATION METHOD AND
(31) 1560261	(87) JP2016072203	PROGRAM
(32) 27.10.2015	09.02.2017	(73) JVC Kenwood Corporation
(33) France	(22) 28.07.2016	(72) YAMADA, Yasuo
(51) B60Q 1/00	(54) LIGHTING TOOL FOR VEHICLE AND	MURATA, Toshitaka
B60Q 1/44	LIGHT SOURCE LIGHTING CIRCUIT	HAYASHI, Keita
B60Q 1/50	(73) Koito Manufacturing Co., Ltd.	(31) 2016256582
G08G 1/16	(72) ICHIKAWA, Tomoyuki	(32) 28.12.2016
(11) EP3369623	KIKUCHI, Satoshi	(33) Japan
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(87) JP2016081785	2016052924	(21) EP18159674.3
04.05.2017	2016115494	(47) 25.11.2020
(22) 26.10.2016	(32) 04.08.2015	(22) 02.03.2018
(54) VEHICULAR ILLUMINATION DEVICE,	08.02.2016	(54) FOLDING DEVICE FOR A MIRROR
VEHICLE SYSTEM, AND VEHICLE	16.03.2016	REPLACEMENT SYSTEM
(73) Koito Manufacturing Co., Ltd.	09.06.2016	(73) MAN Truck & Bus SE
(72) TATARA, Naoki	(33) Japan	(72) Rohrmüller, Hans
OKAMURA, Toshihiro	Japan	Schönegger-Fösleitner, Erich
MASUDA, Takeshi	Japan	Schippling, Marc
TAKII, Naoki	Japan	(31) 102017002578
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(32) 27.10.2015	B60R 19/48	(51) B60R 3/00
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(33) Japan	(11) EP3487727	(21) EP19154341.2
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F21S 43/19	25.01.2018	(73) IVECO MAGIRUS AG
(11) EP3315358	(22) 09.06.2017	(72) SPITZLBERGER, Jürgen
(21) EP17198013.9	(54) MOTOR VEHICLE BUMPER	GEYWITZ, Benjamin
(47) 25.11.2020	COMPRIHING A LIGHTING DEVICE	HÖLZLE, Franz

(31) 201800002116	ANZAI, Jun	(73) Magna International Inc.
(32) 29.01.2018	UJIIE, Yoshihiro	(72) GARNWEIDNER, Peter
(33) Italy	TANABE, Masato	BLÜMEL, Michael
(51) B60R 9/04	KISHIKAWA, Takeshi	POVOLNIK, Gergely
B60R 9/045	(31) 201562239465 P	(31) 102015117700
B60R 9/05	2016153816	(32) 16.10.2015
B60R 9/055	(32) 09.10.2015	(33) Germany
B60R 11/00	04.08.2016	(51) B60R 19/34
B62D 25/06	(33) United States of America	B62D 21/15
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(47) 25.11.2020	H04L 12/28	(21) EP18203292.0
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16.02.2017	H04L 29/08	(22) 30.10.2018
(22) 22.07.2016	G06F 21/57	(54) VEHICLE FRONT PORTION
(54) ROOF BOX MOUNTING APPARATUS	G06F 21/60	STRUCTURE
FOR VEHICLE	G06F 21/71	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(73) KH-tech Co., Ltd.	G06F 21/85	(72) OKURA, Daiki
Min, Kil Hong	H04W 4/40	TOMIZAWA, Yoshihito
(72) MIN, Kil Hong	(11) EP3133774	DOMON, Yoshinori
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(33) Korea (Republic)	(22) 09.04.2015	09.02.2018
Korea (Republic)	(54) VEHICLE-MOUNTED NETWORK	(33) Japan
(51) B60R 16/02	SYSTEM, ABNORMALITY DETECTION	Japan
F16B 1/00	ELECTRONIC CONTROL UNIT AND	(51) B60R 21/231
F16B 13/00	ABNORMALITY DETECTION METHOD	B60R 21/2338
F16L 3/137	(73) Panasonic Intellectual Property	B60R 21/235
F16L 3/233	Corporation of America	B60R 21/237
H02G 3/30	(72) UNAGAMI, Yuji	(11) EP3459795
(11) EP3387268	MATSUSHIMA, Hideki	(21) EP17799274.0
(21) EP16873813.6	HAGA, Tomoyuki	(47) 25.11.2020
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(87) US2016065505	UJIIE, Yoshihiro	23.11.2017
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(22) 08.12.2016	(31) 201461980807 P	(54) SIDE AIRBAG DEVICE
(54) CABLE TIE ASSEMBLY	2015032200	(73) Autoliv Development AB
(73) A. Raymond et Cie	(32) 17.04.2014	(72) KOBAYASHI, Yuto
(72) BEYER, Mark	20.02.2015	FUMA, Makoto
NAGLE, James	(33) United States of America	FUKUDA, Hideho
(31) 201562264637 P	Japan	TAGUCHI, Hiroyuki
201615371674	(51) B60R 16/027	MUROYA, Takanari
(32) 08.12.2015	H02G 11/02	(31) 2016101613
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(33) United States of America	(21) EP19193569.1	(33) Japan
United States of America	(47) 25.11.2020	(51) B60R 25/40
(51) B60R 16/023	(22) 26.08.2019	(11) EP3552892
H04L 9/36	(54) FLAT CABLE WINDING DEVICE AND	(21) EP18167138.9
H04L 12/40	FLAT CABLE ROUTING STRUCTURE	(47) 25.11.2020
H04L 12/44	(73) YAZAKI CORPORATION	(22) 13.04.2018
H04L 29/06	(72) SANO, Hikaru	(54) ARRANGEMENT FOR UNLOCKING A
H04L 29/08	NAKAMURA, Goro	VEHICLE, METHOD AND A VEHICLE
G06F 21/55	(31) 2018180549	(73) Volvo Car Corporation
G06F 21/85	(32) 26.09.2018	(72) Björkengren, Ulf
(11) EP3361673	(33) Japan	(51) B60S 1/38
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(47) 25.11.2020	B60R 19/03	(11) EP2560849
(87) JP2016004335	B60R 19/24	(21) EP11772364.3
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(54) SECURITY DEVICE, ATTACK	(47) 25.11.2020	27.10.2011
DETECTION METHOD, AND	(87) CA2016051190	(22) 25.04.2011
PROGRAM	20.04.2017	(54) SURFACE WIPER SYSTEM
(73) Panasonic Intellectual Property	(22) 13.10.2016	(73) Steam Tech, LLC
Corporation of America	(54) CROSSMEMBER AND METHOD FOR	(72) HARTMAN, Philip
(72) MAEDA, Manabu	MANUFACTURING A CROSSMEMBER	(31) 343068 P

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(33) United States of America	(73) Airbus Operations Limited	ACTUATORS
(51) B60S 1/50	(72) Bill, Andrew	(73) Volvo Truck Corporation
(11) EP3392099	Clarke, David	(72) FARRES, Lionel
(21) EP17167377.5	(31) 201709900	LONG, Christophe
(47) 25.11.2020	(32) 21.06.2017	(51) B60T 13/66
(22) 20.04.2017	(33) United Kingdom	B60T 17/22
(54) WASHER FLUID SYSTEM	(51) B60T 8/17	F16D 55/224
(73) Volvo Car Corporation	B60T 13/74	F16D 65/18
(72) Hasagic, Samir	(11) EP3196084	(11) EP3515769
Paulsson, Mattias	(21) EP17152599.1	(21) EP17768091.5
Jannerland, Anders	(47) 25.11.2020	(47) 25.11.2020
(51) B60T 1/06	(22) 23.01.2017	(87) EP2017072996
B60T 13/74	(54) SYSTEMS AND METHODS FOR	29.03.2018
F16D 51/00	REDUCING DISTURBANCES CAUSED	(22) 13.09.2017
F16D 51/22	BY USING GAIN SCHEDULING IN	(54) METHOD AND APPARATUS
F16D 65/22	ELECTRONIC BRAKE ACTUATOR	TO CONTROL THE KINEMATIC
F16D 121/24	CONTROLS	BEHAVIOUR OF AVEHICLE
F16D 125/48	(73) Goodrich Corporation	(73) Siemens Mobility Austria GmbH
F16D 125/60	(72) AL-TABAKHA, Emad	(72) GUTSCHI, Daniela
(11) EP3470279	(31) 201615004639	KNOLL, Markus
(21) EP18199317.1	(32) 22.01.2016	SCHINAGL, Gerhild
(47) 25.11.2020	(33) United States of America	(31) 508442016
(22) 09.10.2018	(51) B60T 8/175	(32) 21.09.2016
(54) ELECTRIC PARKING BRAKE SYSTEM	B60T 8/1755	(33) Austria
(73) Nissin Kogyo Co., Ltd.	(11) EP3573869	(51) B60T 13/74
(72) Usui, Koji	(21) EP17829683.6	(11) EP3045360
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(51) B60T 8/17	(22) 18.12.2017	(54) ELECTROMECHANICALLY ACTUATED
(11) EP3556619	(54) SYSTEM FOR CONTROLLING A	BRAKE WITH SUPPLEMENTAL BACK
(21) EP19168947.0	POWER TRAIN OF A MOTOR VEHICLE	DRIVE
(47) 25.11.2020	WITH EARLY SKID CONTROL	(73) Goodrich Corporation
(22) 12.04.2019	(73) PSA Automobiles SA	(72) REHFUS, Kevin
(54) ENERGY-BASED ANTISKID BRAKE	(72) BOUZIANI, Fethi	DRENNEN, David
CONTROL SYSTEM	DUMAINE, Olivier	(31) 201514598388
(73) Goodrich Corporation	(31) 1750547	(32) 16.01.2015
(72) KRUCINSKI, Martin	(32) 24.01.2017	(33) United States of America
POISSON, Richard A.	(33) France	(51) B60T 15/36
(31) 201815958286	(51) B60T 8/1766	B60T 17/00
(32) 20.04.2018	B62D 1/24	B60T 17/18
(33) United States of America	(11) EP3180217	(11) EP3421312
(51) B60T 8/17	(21) EP15831703.2	(21) EP17756676.7
B60T 8/172	(47) 25.11.2020	(47) 25.11.2020
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(21) EP14733994.9	18.02.2016	31.08.2017
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12.03.2015	TO BRAKING OF A VEHICLE	(73) Nabtesco Automotive Corporation
(22) 14.06.2014	COMBINATION WHICH COMPRISES A	(72) TANAKA, Katsunori
(54) METHOD OF CONTROLLING AN	TRACTOR AND A TOWED VEHICLE	OOTA, Yusuke
ELECTRONIC BRAKING SYSTEM	(73) Scania CV AB	(31) 2016033380
(73) WABCO GmbH	(72) STRANGE, Thomas	2016066242
(72) CZAJA, Daniel	EDINGER, Martin	2016088049
DIERS, Hauke	(31) 1450936	(32) 24.02.2016
STENDER, Axel	(32) 13.08.2014	29.03.2016
WOLF, Markus	(33) Sweden	26.04.2016
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(32) 04.09.2013	B60T 13/66	Japan
(33) Germany	B60T 13/68	Japan
(51) B60T 8/17	B60T 13/74	(51) B60T 17/22
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(22) 08.06.2018	02.02.2017	(22) 30.01.2019
	(22) 27.07.2015	

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(73) Goodrich Corporation	(51) B60W 10/26	(32) 28.04.2015
(72) GEORGIN, Marc KORDIK, Michael	B60W 10/30 B60W 50/00	(33) France
(31) 201815884177	B60W 30/18	(51) B61B 12/00
(32) 30.01.2018	B60W 40/076	B61B 12/06
(33) United States of America	(11) EP3257714	G06K 9/00
(51) B60W 10/06	(21) EP16174346.3	G06K 9/62
B60W 10/08	(47) 25.11.2020	(11) EP3088272
B60W 10/30	(22) 14.06.2016	(21) EP16167088.0
B60W 50/00	(54) A VEHICLE ENERGY MANAGEMENT SYSTEM AND METHOD FOR A VEHICLE	(47) 25.11.2020
B60W 20/00	(73) Volvo Car Corporation	(22) 26.04.2016
(11) EP2857270	(72) Bäckelie, Magnus	(54) METHOD FOR DETECTING THE POSITION OF GUARDRAILS IN A CHAIRLIFT THROUGH IMAGE ANALYSIS
(21) EP14185879.5	Jundén, Linus	(73) Bluecime
(47) 25.11.2020	(51) B60W 10/26	(72) CUCCOLO, David
(22) 23.09.2014	H02J 7/00	CAMBONIE, Joel
(54) Energy management system in a vehicle and a method thereof	B60K 6/445	BULONE, Joseph
(73) Robert Bosch GmbH	B60W 20/00	(31) 1553794
Robert Bosch Engineering And Business Solutions Limited	B60L 53/16	(32) 28.04.2015
(72) Vadagave, Sangamesh	(11) EP2436550	(33) France
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B60K 6/445	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(54) RAILWAY VEHICLE AND METHOD OF CONTROLLING THE SAME
B60W 20/00	(72) MIWA, Koji	(73) Hitachi Rail Ltd.
(11) EP2565095	(51) B60W 50/00	Hitachi, Ltd.
(21) EP11774859.0	F16H 59/44	(72) TAGUCHI, Tomoaki
(47) 25.11.2020	F16H 61/02	AKIMARU, Daisuke
(87) JP2011059580	B60W 10/18	HAYASHI, Tomoo
03.11.2011	B60W 30/09	YAMAMOTO, Takahisa
(22) 19.04.2011	(11) EP2591252	MOCHIZUKI, Kento
(54) CONTROL DEVICE FOR A HYBRID VEHICLE, AND HYBRID VEHICLE INCORPORATING CONTROL DEVICE	(21) EP11804168.0	TAKAGI, Takeo
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(47) 25.11.2020	(31) 201806860
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(72) TAKAYANAGI, Hiroyuki	12.01.2012	(33) United Kingdom
ENDO, Hiroki	(22) 29.06.2011	(51) B61D 17/12
YAMAMOTO, Masaya	(54) CLOSED-LOOP TRANSMISSION INTEGRATION WITH FORWARD AND/OR REVERSE ASSIST SYSTEM	B61D 27/00
(31) 2010102952	(73) Allison Transmission, Inc.	(11) EP3127774
(32) 28.04.2010	(72) CONN, Randall, S.	(21) EP15179993.9
(33) Japan	RAINS, Mark, A.	(47) 25.11.2020
(51) B60W 10/20	(31) 833172	(22) 06.08.2015
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B60W 40/06	(33) United States of America	(73) Bombardier Transportation GmbH
B60W 40/109	(51) B61B 12/00	(72) Waroquier, Louis
B60W 40/112	B61B 12/06	(51) B61D 17/18
B60W 30/12	G06K 9/00	(11) EP3424793
(11) EP2407364	G06K 9/62	(21) EP18180824.7
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(22) 25.03.2011	(47) 25.11.2020	(54) CLADDING ASSEMBLY FOR A RAIL VEHICLE
(54) Method and device for recognising and compensating for a vehicle being angled across a roadway	(22) 26.04.2016	(73) Bombardier Transportation GmbH
(73) MAN Truck & Bus SE	(54) METHOD FOR DETECTING THE POSITION OF GUARDRAILS IN A CHAIRLIFT THROUGH IMAGE ANALYSIS	(72) Koch, Hartwig
(72) Schwertberger, Walter	(73) Bluecime	Wagner, René
Brummer, Markus	(72) CUCCOLO, David	(31) 102017114869
Heyes, Daniel		(32) 04.07.2017
Resch, Christoph		(33) Germany
Rosinger, Walter		(51) B61D 27/00

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(47) 25.11.2020	(32) 13.03.2018	STEERING APPARATUS FOR MOTOR
(87) EP2014066934	(33) China	VEHICLES
11.02.2016	(51) B62B 7/00	(73) thyssenkrupp Presta AG
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(54) HEATING SYSTEM	(11) EP3571108	(72) SULSER, Hansjoerg
(73) Siemens Mobility Austria GmbH	(21) EP18702124.1	VONIER, Felix
(72) PECHA, Manfred	(47) 25.11.2020	(31) 102016114677
KIRALY, Andras	(87) EP2018050926	(32) 08.08.2016
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(47) 25.11.2020	(73) Emmaljunga Barnvagnsfabrik AB	B62K 21/10
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(54) CONNECTING MEMBER FOR TWO	(32) 19.01.2017	(87) IB2017055318
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(73) Siemens Mobility Austria GmbH	(11) EP3354537	(54) STEERING GROUP OF A MOTOR
(72) BRANDSTETTER, Jochen	(21) EP17203732.7	VEHICLE AND MOTOR VEHICLE
KÜTER, Christian	(47) 25.11.2020	THEREOF
SCHOBEGGER, Gerald	(22) 27.11.2017	(73) PIAGGIO & C. S.p.A.
TEICHMANN, Martin	(54) RECLINE ASSEMBLIES FOR	(72) MARCHETTA, Francesco
(31) 501202015	STROLLER SEATS	BALDUINO, Luca
(32) 17.02.2015	(73) Kolcraft Enterprises, Inc.	TORRIANI, Daniele
(33) Austria	(72) EYMAN, Mark	(31) 201600090140
(51) B61H 5/00	(31) 201715417886	(32) 06.09.2016
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F16D 121/04	G06F 3/00	(21) EP14732348.9
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(22) 19.12.2013	04.07.2013	(72) BUTLER, Stephen
(54) RAILWAY VEHICLE DISC BRAKE	(22) 29.12.2011	DAVIES, Niclas
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(73) Nabtesco Corporation	keyboards on a steering wheel	(31) 201310768
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(47) 25.11.2020	(54) A STEERING ARRANGEMENT	(54) STEERING CONTROL APPARATUS
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(54) SYSTEM AND METHOD FOR	(72) Svensson, Mr. Johan	(72) KODERA, Takashi
DETECTING THE PRESENCE OF A	Krstic, Daniel	YAMANO, Naoki
TRAIN ON A RAILWAY TRACK	(51) B62D 1/16	ITAMOTO, Hidenori
(73) ALSTOM Transport Technologies	B62D 5/04	YAMASHITA, Yoshihiro
(72) LANTERI, Giovanni	F16C 19/06	ANRAKU, Koji
(51) B62B 3/02	F16C 25/08	(31) 2016051412
B62B 5/00	F16C 35/063	(32) 15.03.2016
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(54) TOOTHED BELT DRIVE	JOHANNESSON MÅRDH, Lars	ROTH, Jonathan
(73) ContiTech Antriebssysteme GmbH	LÖFGREN, Marcus	MANTERNACH, Byron
(72) SATTLER, Heiko	(51) B62D 21/15	(31) 102015214456
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G01B 7/30	08.02.2018	B62D 37/02
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(72) OHIRA, Kazuhiro	(21) EP15182959.5	(51) B62D 35/00
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(33) Japan	Schmidt, Michael	DE LA CRUZ LOPEZ, Juan Marcos
Japan	Fritzsche, Eric	Garcia
Japan	Dr.-Ing. Breitenbach, Frank	BRACKSTON, Rowan David
Japan	Prof. Dr.-Ing. Emmelmann, Claus	WYNN, Andrew
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(73) Zenuity AB	EISMANN, Jens	(72) IORI, Michele

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(32) 12.04.2016	HAVING AN OIL DUCT	United States of America
(33) Germany	(73) Volkswagen Aktiengesellschaft	(51) F01N 5/04
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201562250742 P	(54) HIGH POWER DENSITY INSULATED	(73) IHI Corporation
(32) 27.10.2015	EXHAUST HEATING SYSTEM	(72) NIIZUMA Motonao
04.11.2015	(73) Watlow Electric Manufacturing Company	(31) 2010155456
(33) United States of America	(72) EVERLY, Mark, D.	(32) 08.07.2010
United States of America	OHSE, Jeremy	(33) Japan
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F01L 13/00	JAMBOR, George	F02D 41/02
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(22) 23.03.2017	F02D 41/02	METHOD FOR INTERNAL
(54) MULTIFUNCTIONAL ENGINE BRAKE	F02D 41/14	COMBUSTION ENGINE
(73) Shanghai Universoon Autoparts Co., Ltd	(11) EP3368755	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) YANG, Zhou	(21) EP16860389.2	(72) AKUTSU, Tomokazu
ZHU, Rujie	(47) 25.11.2020	NAKAMURA, Takashi
XI, Yong	(87) SE2016051048	KOBASHI, Noriyasu
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(32) 25.03.2016	WHEN CORRECTING SUPPLY OF	(51) F01P 3/12
18.10.2016	AN ADDITIVE TO AN EXHAUST GAS	F01P 5/10
20.03.2017	STREAM	F01P 5/12
(33) China	(73) Scania CV AB	F02B 29/04
China	(72) LUNDSTRÖM, Mikael	F02D 41/00
China	LUNDBERG, Christer	F02D 41/04
(51) F01L 3/00	(31) 1551387	F02M 26/17
F01L 3/08	(32) 28.10.2015	F02M 26/28
F01L 23/00	(33) Sweden	F02M 26/33
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(54) STEAM ENGINE		(73) TOYOTA JIDOSHA KABUSHIKI KAISHA

(72) MANJU, Yoshinori	(51) F02B 37/00	(32) 25.09.2012
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(32) 24.11.2017	F02D 41/00	<hr/>
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(51) F02B 1/12	F02D 45/00	F02M 21/02
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(47) 25.11.2020	18.05.2017	(22) 07.10.2015
(22) 29.11.2018	(22) 06.10.2016	(54) DETERMINING DIMETHYL ETHER
(54) CONTROL SYSTEM FOR ENGINE,	(54) GAS ENGINE DRIVE SYSTEM	(DME) FUEL QUALITY
ENGINE, METHOD OF CONTROLLING	(73) Kawasaki Jukogyo Kabushiki Kaisha	(73) Volvo Truck Corporation
ENGINE, AND COMPUTER PROGRAM	(72) NONAKA, Yosuke	(72) HOOVER, Dale
PRODUCT	(72) NONAKA, Yosuke	<hr/>
(73) Mazda Motor Corporation	KIZUKA, Tomoaki	(51) F02B 75/04
(72) SUEOKA, Masanari	FUKAO, Satoru	F02D 15/00
OHURA, Takuya	FUJIHARA, Shigeharu	F02D 15/02
TOKUNAGA, Tatsuhiro	HIRAYAMA, Towa	F02D 41/00
MARUYAMA, Keiji	ISHII, Hiroyoshi	F02D 41/12
NISHIDA, Tomohiro	(31) 2015220070	F02D 41/14
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(32) 15.12.2017	(33) Japan	(21) EP15901745.8
(33) Japan	(51) F02B 37/00	(47) 25.11.2020
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(11) EP3502448	(47) 25.11.2020	(73) NISSAN MOTOR CO., LTD.
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ENGINE, AND COMPUTER PROGRAM	ENGINE	(11) EP3631220
PRODUCT	(73) DMA Tech S.À R.L.	(21) EP18735652.2
(73) Mazda Motor Corporation	(72) BOUVY, Jacques	(47) 25.11.2020
(72) SUEOKA, Masanari	(31) 93252	(87) FR2018051234
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TOKUNAGA, Tatsuhiro	(32) 07.10.2016	(22) 25.05.2018
MARUYAMA, Keiji	17.01.2017	(54) VARIABLE-LENGTH CONNECTING
NISHIDA, Tomohiro	(33) Luxembourg	ROD HAVING AN INDEXING DEVICE
(31) 2017240536	Luxembourg	(73) MCE 5 Development
(32) 15.12.2017	<hr/>	(72) BERTHEAU, René-Pierre
(33) Japan	(51) F02B 43/00	(31) 1754681
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F02M 21/02	F02M 21/04	<hr/>
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F02M 43/00	F02M 43/04	F02B 75/22
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F02M 63/00	F02M 61/00	F16F 15/24
F16K 31/122	F02M 67/02	(11) EP3485154
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(54) FUEL INJECTION DEVICE AND	03.04.2014	COMBUSTION ENGINE WITH 16
ENGINE	(22) 09.09.2013	CYLINDERS
(73) IHI Corporation	(54) TWO STEP METERING SOLENOID	(73) Liebherr-Components Colmar SAS
(72) YAMADA Takeshi	FOR FUEL ATOMIZER	(72) MOKDAD, Béchir
UMEMOTO Yoshiyuki	(73) Enginetics LLC	(31) 102016008682
HIROSE Takayuki	(72) HUETTNER, Thomas	102017000778
TERAMOTO Jun	LULL, Joseph	(32) 18.07.2016
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(33) Japan		Germany

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PLANT	DIAO, Xiaoxue	LEMMERS, Glenn C. Jr.
(73) General Electric Company	THOMAS, Nicholas	(31) 201815868278
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Snook, Daniel David	(32) 20.05.2015	(33) United States of America
Draper, Samuel David	(33) United States of America	(51) F02C 9/20
Ouellett, Noemie Dion	(51) F02C 7/22	F02C 9/28
Rittenhouse, Scott Allen	F02C 7/228	F02C 9/54
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(21) EP18150209.7	(73) United Technologies Corporation	temperature-corrected gas generator
(47) 25.11.2020	(72) CHEUNG, Albert K.	speed
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EPICYCLIC GEAR REDUCTION	(33) United States of America	Belleville, François
SYSTEM	(51) F02C 7/22	(51) F02C 9/34
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HEAT EXCHANGER	F02C 7/32	F02D 19/06
(73) Unison Industries, LLC	G01H 1/00	F02D 41/00
(72) ERNO, Daniel, Jason	G08C 17/02	F02D 41/22
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(54) POWERTRAIN ARRANGEMENT AND METHOD FOR USE WITH ADDITIZED DIMETHYL ETHER (DME) FUEL	(54) EVAPORATIVE FUEL TREATMENT APPARATUS AND CONTROL METHOD FOR EVAPORATIVE FUEL TREATMENT APPARATUS	(51) F02D 41/08 F02D 41/20 F02D 41/34 F02M 51/00 F02M 51/06 F02M 61/10
(73) Volvo Truck Corporation	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(11) EP3339615
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(72) KOBASHI, Noriyasu	F02D 41/06	(51) F02F 3/00 F02F 3/22
NAKAMURA, Takashi	F02D 41/20	(11) EP3301284
AKUTSU, Tomokazu	F02D 41/22	(21) EP16191417.1
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F02D 41/24	(21) EP15835172.6	STELLWAGEN, Karl
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COMBUSTION ENGINE	DODD, Frederick E.	(47) 25.11.2020
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MERZ, Lukas	(33) United States of America	LIFE OF COMPONENTS OF A WIND
KRAEMER, Michael	(51) F02M 59/36	TURBINE OR SIMILAR ACCORDING
SCHMOLL, Christoffer	F02M 59/44	TO ITS LOCATION
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(73) Kabushiki Kaisha Riken	F02P 13/00	(33) Germany
(72) KAMURA Shuichi	F02P 15/00	Germany
HIROTA Kazuhiko	H01F 38/12	(51) F03D 1/06
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(73) Kookmin University Industry Academy	(73) Siemens Healthcare GmbH	G01S 17/86
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MICROWAVE SIGNAL, TRANSPONDER	(21) EP17788245.3	(87) IB2011002883
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(72) GARREC, Patrick	(54) SPECTROMETRY DEVICE	AVOIDING RADIATION EXPOSURE
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(54) METHOD AND APPARATUS TO	(87) US2017056282	(33) United States of America
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BODY	FACIES IDENTIFICATION USING	(21) EP17707454.9
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RADIOGRAPHIC IMAGE DETECTION	DRILLING ACCOUSTIC MEASUREMENT	F21S 41/663
DEVICE, AND METHOD FOR	(73) Schlumberger Holdings Limited (SHL)	F21V 5/00
MANUFACTURING SAME	(72) NAKAJIMA, Hiroshi	(11) EP2587125
(73) Toray Industries, Inc.	KINOSHITA Toshihiro	(21) EP12189199.8
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(22) 13.06.2016	(22) 18.01.2019	(72) HAYAMI Toshihiro
(54) DIATOMACEOUS ENERGY STORAGE DEVICES	(54) LOW VOLTAGE CIRCUIT BREAKER	FUJII Ryosuke
(73) Printed Energy Pty Ltd	(73) Eaton Intelligent Power Limited	(31) 2016011012
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(47) 25.11.2020	(73) General Electric Technology GmbH	(73) Microsaic Systems PLC
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(73) Ecole Polytechnique Fédérale de Lausanne (EPFL)	(47) 25.11.2020	(51) H01J 49/00
(72) WANG, Mingkui	(87) US2014047514	H01J 49/06
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(22) 04.10.2017	(22) 25.02.2015	VOLATILE FLASH MEMORY WITH
(54) SAMPLE HOLDER FOR MASS	(54) METHOD FOR EVALUATING SOI	FINFET LOGIC
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MODE, PRODUCTION AND USE OF	(73) Shin-Etsu Handotai Co., Ltd.	(72) SU, Chien-sheng
THE SAMPLE HOLDER	(72) OHTSUKI, Tsuyoshi	ZHOU, Feng
(73) Tethis S.p.A.	(31) 2014100758	YANG, Jeng-Wei
(72) BARBORINI, Emanuele	(32) 14.05.2014	TRAN, Hieu, Van
VINATI, Simone	(33) Japan	DO, Nhan
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H01L 21/3105	separating growth substrate therefrom	(47) 25.11.2020
H01L 21/321	and semiconductor device fabricated	(87) US2015056077
H01L 21/762	using the same	21.04.2016
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(21) EP15752589.0	Han, Chang Suk	PROCESS
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(22) 17.02.2015	Chae, Jong Hyeon	ORILALL, Mahendra C.
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SEMICONDUCTOR, AND METHOD	20120150389	KHANNA, Aniruddh Jagdish
FOR MANUFACTURING A COMPOSITE	(32) 14.12.2012	FUNG, Jason G.
SUBSTRATE FOR SEMICONDUCTOR	21.12.2012	CORNEJO, Mario
(73) NGK Insulators, Ltd.	(33) Korea (Republic)	CHOCKALINGAM, Ashwin
(72) IDE Akiyoshi	Korea (Republic)	YAMAMURA, Mayu Felicia
TAKAGAKI Tatsuro	(51) H01L 21/263	KAKIREDDY, Raghava
MIYAZAWA Sugio	H01L 21/265	KUMAR, Ashvani
IWASAKI Yasunori	H01L 21/336	HARIHARAN, Venkatachalam
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(32) 18.02.2014	H01L 29/08	REDEKER, Fred C.
(33) Japan	H01L 29/36	PATIBANDLA, Nag B.
(51) H01L 21/02	H01L 29/739	NG, Hou Tee
H01L 21/336	H01L 29/861	DAVENPORT, Rob
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(87) JP2011068742	(54) SEMICONDUCTOR DEVICE	24.04.2015
01.03.2012	AND SEMICONDUCTOR DEVICE	(33) United States of America
(22) 19.08.2011	MANUFACTURING METHOD	United States of America
(54) METHOD FOR FABRICATING	(73) Fuji Electric Co., Ltd.	United States of America
EPITAXIAL SUBSTRATE FOR	(72) MIZUSHIMA, Tomonori	(51) H01L 21/3065
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METHOD FOR FABRICATING	(32) 23.03.2012	H01L 27/06
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(73) NGK Insulators, Ltd.	(51) H01L 21/28	H01L 29/66
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ICHIMURA, Mikiya	H01L 29/423	H01L 49/02
TANAKA, Mitsuhiro	H01L 29/66	(11) EP3561859
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(22) 26.04.2018	H01L 33/26	SUBSTRATE ADAPTER AND FOR
(54) ELECTRONIC PRODUCT COMPRISING	(11) EP3190608	CONTACTING A SEMICONDUCTOR
A COMPONENT HAVING TRISKELION-	(21) EP15837484.3	ELEMENT
PILLARS, AND CORRESPONDING	(47) 25.11.2020	(73) Heraeus Deutschland GmbH & Co. KG
FABRICATION METHOD	(87) JP2015074380	(72) WIESELER, Elisa
(73) Murata Manufacturing Co., Ltd.	10.03.2016	KRÜGER, Frank
(72) BOUVIER, Stéphane	(22) 28.08.2015	BLEIFUSS, Martin
LALLEMAND, Florent	(54) LAMINATED STRUCTURE AND	SCHÄFER, Michael
(51) H01L 21/311	METHOD FOR MANUFACTURING	HINRICH, Andreas
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(72) Babaei Gavan, Khashayar	(33) Japan	SCHEFUSS, Frank
Paraschiv, Vasile	(51) H01L 21/48	BECKER, Martin
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(72) DEWEY, Gilbert	(54) SEMICONDUCTOR PACKAGES	ARENE, Emmanuel
RADOSAVLJEVIC, Marko	WITH EMBEDDED BRIDGE	BRUN, Jean
PILLARISSETTY, Ravi	INTERCONNECTS	DESCOURS, Pierre
METZ, Matthew V.	(73) Intel Corporation	HAGUET, Julie
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(22) 25.07.2013	(32) 08.11.2010	United States of America
(54) Method of manufacturing a	(33) Korea (Republic)	United States of America
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bonded to an aluminium pad coated by a	H01L 23/433	United States of America
sintered silver structure and with a wire	H01L 23/495	United States of America
bonded to an uncoated aluminium pad	H01L 23/538	United States of America
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(51) H01L 21/768	making same	H05K 1/02
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Corporation	H01L 25/075	(72) PFEFFERLEIN, Stefan
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(47) 25.11.2020	Blanchard, Richard A	(72) KAWASAKI, Kouichi
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drain configured power FET	Baldrige, Jeffrey	(33) Japan
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(72) JUNG, Teagsun	(72) Kojima, Akihiro	(73) Samsung Display Co., Ltd.
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SU, Michael, Z.	(54) LIGHT-EMITTING DIODE DEVICE	CHOI, Chaun-Gi
REFAI-AHMED, Gamal	(73) TDK Electronics AG	YOON, Young-Sik
SIEGEL, Joe	(72) FEICHTINGER, Thomas	JEON, Joo-Hee
PREJEAN, Seth	DERNOVSEK, Oliver	PARK, Hye-Young
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(72) IWASAKI, Masataka OKAMOTO, Takaaki	(51) H01M 2/04 H01M 2/10 H01M 2/30	(72) Kohda, Hideo (31) 2015084305 (32) 16.04.2015 (33) Japan
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(72) Thomas, Jeffrey E.	(73) Tornier, Inc.	(72) THOMPSON, Lance
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(72) LOEBEL, Arne	(73) Veka AG	ZERNHELT, Justin, M.
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VB1

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(51) B01J 21/06	(00) 20.11.2020	(51) B21B 37/44
B01J 23/68	(00) 47/19	B21B 45/02
C07D 301/10	20.11.2019	(00) 04/20
(00) 04/20	(00) Restoration of rights	22.01.2020
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(51) E21B 21/015	(51) G06F 16/2457	F03D 15/00
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22.01.2020	G16B 45/00	(00) 07/20
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C12P 7/64	(11) EP3131912	
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A61K 47/02	A23L 33/21	
A61K 47/04	(00) 04/20	
A61K 47/12	22.01.2020	
A61K 47/32	(11) EP3275871	
A61K 47/36	(51) A61K 31/4965	
A61K 47/10	A61P 3/06	
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B25J 9/00	22.01.2020	
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B25J 19/00	(51) G01R 31/00	
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Rechten waarvoor een beslissing is genomen op een verzoek- of bezwaarschrift conform de Octrooiwet 1995.

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C12P 13/06	C07C 51/44
C12P 13/08	C07C 53/08
C12P 13/14	
C12P 13/22	(11) EP3369722
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C08L 3/02	C07C 51/44
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MED

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(51) E04F 15/02	E04F 15/02	(11) EP2570467
F16B 5/00	(00) Established	(51) C08J 9/14
(00) Established	(11) 2022114	C09K 3/30
(11) 2018781	(00) 03.11.2020	(11) EP2603454
(00) 03.11.2020	(51) B32B 13/10	(51) B02C 19/00
(51) E04F 15/02	B32B 21/02	C08K 3/04
E04F 15/10	C04B 28/10	C09K 5/14
(00) Established	C04B 28/30	H01B 1/04
(11) 2018970	C04B 28/32	H01B 1/24
(00) 03.11.2020	C04B 28/34	C01B 32/225
(51) E04F 15/02	E04F 15/08	(11) EP2609534
E04F 15/10	(00) Established	(51) G16H 40/00
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(00) Aandeel van I4F LICENSING NV	(51) B65D 25/28	G16H 40/60
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(11) 2019609	B65D 51/24	(11) EP2617659
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(00) 03.11.2020	E05F 5/00	(11) EP2635231
(51) D06N 3/00	(11) EP2379825	(51) A61C 13/007
D06N 7/00	(00) 03.11.2020	(11) EP2719845
E04F 15/02	(51) B29C 47/00	(00) 03.11.2020
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(00) Established	B29K 23/00	F16B 5/00
(11) 2020255	B29K 25/00	(00) Established
(00) 03.11.2020	B29K 31/00	(11) EP2734382
(51) B27M 3/04	B29K 67/00	(51) B42D 25/00
E04F 15/02	B29K 77/00	(11) EP2769142
(00) Established	B29K 105/00	(51) G02B 5/04
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(00) 03.11.2020	B29L 7/00	(11) EP2848105
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(00) Established	B29L 16/00	(11) EP2864496
(11) 2020972	B29L 31/00	(51) C12Q 1/37
(00) 03.11.2020	E04F 13/18	C12Q 1/56
(51) E04F 13/08	E04F 15/10	G01N 33/48
E04F 15/02	(00) Established	(11) EP2872593
(00) Established	(11) EP2440724	(51) C08K 3/22
(00) Aandeel van I4F LICENSING NV	(00) 03.11.2020	C09K 21/02
verpand aan I4F INTERNATIONAL B.V.	(51) E04F 15/02	C08K 3/00
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(51) E04F 15/02	(11) EP2464771	B29C 49/02
E04F 15/10	(51) C08B 37/00	B29L 9/00
(00) Established	C08L 5/00	B65D 1/02
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(51) E04F 13/08	(11) EP2465986	(00) 03.11.2020
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(00) Established	D04H 3/12	E04F 15/10
(11) 2021886	D04H 1/64	(00) Established
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(51) E04F 15/02	(11) EP2511580	(00) 03.11.2020
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(11) 2021887	F16L 5/10	F16B 5/00
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(51) E04F 15/02
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(51) A41D 13/11
A42B 1/24
A61F 9/02
A62B 17/04
(00) New licence registration

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(00) 05.11.2020
(51) B01D 46/10
B01D 46/44
D06F 39/08
D06F 39/10
D06F 58/22
D06F 58/28
G01M 3/20
(00) New licence registration

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(00) 03.11.2020
(51) E04F 15/02
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(11) EP3552158
(51) H04L 9/32
G06F 21/10
G06F 21/55
G06N 99/00

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VRV

Verval of nietigverklaring.

Contains data concerning lapse or annulment.

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(11) 300827	(00) Patent Expired	(00) Patent Expired
(00) 23.11.2020	(11) EP1233783	(11) EP1259550
(00) SPC Application Withdrawn	(00) 22.11.2020	(00) 23.11.2020
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(00) 21.11.2020	(11) EP1233800	(11) EP1341653
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(11) EP1103769	(00) Patent Expired	(00) Patent Expired
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(00) 17.06.2020	(00) 17.06.2020	(00) 17.06.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3544857	(11) EP3569754	(11) EP3606908
(00) 17.06.2020	(00) 17.06.2020	(00) 17.06.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3544867	(11) EP3569868	(11) EP3609421
(00) 17.06.2020	(00) 17.06.2020	(00) 17.06.2020

(00) EPV Ceased Effect

(11) EP3614223
(00) 17.06.2020
(00) EPV Ceased Effect

(11) EP3619198
(00) 17.06.2020
(00) EPV Ceased Effect

VRB

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

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) ABB Turbo Systems Holding AG	(71) ABB Schweiz AG	(00) 03.11.2020
(73) ABB Schweiz AG	(73) ABB Schweiz AG	(51) G01R 15/12
(11) EP2193279	(11) EP2461053	G01R 31/319
(00) 04.11.2020	(00) 04.11.2020	(00) Change of owner(s) name
(51) F01D 25/16	(51) F01D 25/16	(71) ERSA GmbH
F16C 17/04	F16C 17/04	(73) ERSA GmbH
F16C 17/10	F16C 17/10	(11) EP2928634
F16C 17/18	F16C 17/18	(00) 03.11.2020
F16C 33/10	F16C 33/10	(51) B23K 1/00
(00) Merge	(00) Merge	B23K 1/08
(71) ABB Schweiz AG	(71) ALPHARET PTY LTD	B23K 3/06
(73) ABB Schweiz AG	(73) ALPHARET PTY LTD	H05K 3/34
(11) EP1502008	(11) EP2170232	(00) Assignment
(00) 04.11.2020	(00) 04.11.2020	(71) A.O. Smith (China) Environmental
(51) F01D 5/02	(51) A61F 9/008	Products Co., Ltd.
F16D 1/08	(00) Change of owner(s) name	(73) A.O. Smith (China) Environmental
(00) Merge	(71) ABB Turbo Systems Holding AG	Products Co., Ltd.
(71) ABB Turbo Systems Holding AG	(73) ABB Schweiz AG	(11) EP2495034
(73) ABB Schweiz AG	(11) EP1402152	(00) 04.11.2020
(11) EP1502008	(00) 04.11.2020	(51) B01D 61/08
(00) 04.11.2020	(51) F01D 5/30	B01D 63/10
(51) F01D 5/02	(00) Merge	B01D 63/12
F16D 1/08	(71) SKYSLIMIT AG	B01D 65/08
(00) Merge	(73) SKYSLIMIT AG	(00) Change of owner(s) name
(71) ABB Schweiz AG	(11) EP2253902	(71) Storch-Ciret Holding GmbH
(73) ABB Schweiz AG	(00) 04.11.2020	(73) Storch-Ciret Holding GmbH
(11) EP1402152	(51) F24J 2/52	(11) EP2949237
(00) 04.11.2020	H01L 31/048	(00) 02.11.2020
(51) F01D 5/30	(00) Assignment	(51) A46B 3/12
(00) Merge	(71) N4U Tech Holdings Co., Ltd.	A46B 9/06
(71) ABB Turbo Systems Holding AG	(73) Cell&Brain Co., Ltd.	(00) Assignment
(73) ABB Schweiz AG	(11) EP2714896	(71) TOTAL SE
(11) EP2461053	(00) 04.11.2020	(73) TOTAL SE
(00) 04.11.2020	(51) C12N 5/10	(11) EP3470885
(51) F01D 25/16	C12N 15/861	(00) 03.11.2020
F16C 17/04	C12N 5/074	(51) G01V 1/30
F16C 17/10	C12N 5/0775	(00) Change of Legal Entity
F16C 17/18	A61K 35/28	(71) Reha Technology AG
F16C 33/10	(00) Assignment	(73) Reha Technology AG
(00) Merge	(71) PRODUCTOS SOLUBLES S.A.	(11) EP2435008
(71) ABB Schweiz AG	(73) PRODUCTOS SOLUBLES S.A.	(00) 05.11.2020
(73) ABB Schweiz AG	(11) EP2868598	(51) A61H 1/00
(11) EP2193279	(00) 04.11.2020	A61H 1/02
(00) 04.11.2020	(51) B65D 85/816	A63B 21/00
(51) F01D 25/16	(00) Assignment	A63B 21/005
F16C 17/04	(71) NOVA EYE R&D PTY LTD	A63B 22/00
F16C 17/10	(73) ALPHARET PTY LTD	A63B 22/06
F16C 17/18	(11) EP2170232	A63B 69/00
F16C 33/10	(00) 04.11.2020	(00) Assignment
(00) Merge	(51) A61F 9/008	(71) peRAIL GmbH
(71) Cell&Brain Co., Ltd.	(00) Change of owner(s) name	Wanek-Pusset, Peter
(73) Cell&Brain Co., Ltd.	(71) BioDosage Tech Co., Ltd	(73) peRAIL GmbH
(11) EP2714896	(73) BioDosage Tech Co., Ltd	Wanek-Pusset, Peter
(00) 04.11.2020	(11) EP2346563	(11) EP1690810
(51) C12N 5/10	(00) 03.11.2020	(00) 05.11.2020
C12N 15/861	(51) A61K 9/00	(51) B65D 88/12
C12N 5/074	A61M 37/00	B65D 88/52
C12N 5/0775	(00) Assignment	B65D 90/04
A61K 35/28	(71) Textron Systems Corporation	B66F 9/18
(00) Assignment	(73) Textron Systems Corporation	(00) Assignment
	(11) EP3449263	(71) peRAIL GmbH

Wanek-Pusset, Peter	(00) Assignment
(73) peRAIL GmbH	(71) peRAIL GmbH
Wanek-Pusset, Peter	Wanek-Pusset, Peter
(11) EP1690809	(73) peRAIL GmbH
(00) 05.11.2020	Wanek-Pusset, Peter
(51) B61D 9/00	(11) EP2837542
B65D 88/00	(00) 05.11.2020
B65D 88/12	(51) B61D 3/20
B65D 88/56	(00) Assignment
B66F 9/18	(71) EMS-CHEMIE AG
(00) Assignment	(73) EMS-CHEMIE AG
(71) peRAIL GmbH	(11) EP3020746
Wanek-Pusset, Peter	(00) 04.11.2020
(73) peRAIL GmbH	(51) C08G 69/26
Wanek-Pusset, Peter	C08K 7/14
(11) EP2325131	C08L 77/06
(00) 05.11.2020	(00) Assignment
(51) B66F 9/12	(71) peRAIL GmbH
B66F 9/18	Wanek-Pusset, Peter
(00) Assignment	(73) peRAIL GmbH
(71) peRAIL GmbH	Wanek-Pusset, Peter
Wanek-Pusset, Peter	(11) EP3199474
(73) peRAIL GmbH	(00) 05.11.2020
Wanek-Pusset, Peter	(51) B65D 88/12
(11) EP2080732	(00) Assignment
(00) 05.11.2020	
(51) B66F 9/12	
(00) Assignment	
(71) Reha Technology GmbH	
(73) Reha Technology AG	
(11) EP2435008	
(00) 05.11.2020	
(51) A61H 1/00	
A61H 1/02	
A63B 21/00	
A63B 21/005	
A63B 22/00	
A63B 22/06	
A63B 69/00	
(00) Change of owner(s) name	
(71) peRAIL GmbH	
Wanek-Pusset, Peter	
(73) peRAIL GmbH	
Wanek-Pusset, Peter	
(11) EP2636569	
(00) 05.11.2020	
(51) B61D 3/08	
(00) Assignment	
(71) peRAIL GmbH	
Wanek-Pusset, Peter	
(73) peRAIL GmbH	
Wanek-Pusset, Peter	
(11) EP2871141	
(00) 05.11.2020	
(51) B61D 3/20	
B61D 7/04	
B61D 7/28	
B65D 88/12	
B65D 88/54	
B65D 90/62	
(00) Assignment	
(71) Novocure GmbH	
(73) Novocure GmbH	
(11) EP3439733	
(00) 05.11.2020	
(51) A61N 1/32	
A61N 1/40	

TVH

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