



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.

Abonnementsprijzen per (kalender)jaar:

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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 MED Bevat gegevens betreffende overige mededelingen.	272Heading MED Contains data concerning other communications.	272
Rubriek VRV Bevat gegevens betreffende verval of nietigverklaring.	273Heading VRV Contains data concerning lapse or annulment.	273
Rubriek VRB Bevat gegevens betreffende verbeteringen op eerdere publicaties.	275Heading VRB Contains data concerning corrections on earlier publications.	275
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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.**

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.**

NP3

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

EP1

Vertaalde conclusies van Europese octrooiaanvragen.

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

EP2

Voor Nederland verleende Europese octrooien.

Contains data concerning European patents granted for The Netherlands.

(51) A01B 33/02	(54) DATA COMMUNICATION SYSTEM FOR WORK MACHINE	(32) 24.06.2016
A01B 79/00		(33) United States of America
A01C 21/00	(73) Kubota Corporation	(51) A01D 34/00
G01N 27/04	(72) MIURA Keisuke	A47L 9/28
G01N 27/22	TANAKA Isao	B25J 9/00
G01N 33/24	UOYA Yasuhisa	H02J 7/00
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(72) Puhalla, Jeffrey	Japan	28.06.2012
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Karna, Kartheek	(11) EP3367777	(73) Positec Power Tools (Suzhou) Co., Ltd
Anderson, Noel	(21) EP16800876.1	(72) BORINATO, Gianni
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(54) SYSTEM FOR ASSOCIATING TWO ELEMENTS BY THEIR ADJACENT FLEXIBLE WALLS	(22) 29.09.2015	(73) President and Fellows of Harvard College
(73) CNH Industrial France S.A.S.	(54) HYDROPONIC SYSTEM	Children's Medical Center Corporation
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A61K 39/00	(51) A01M 7/00	A01N 43/40
A61K 39/395	(11) EP3338547	A01N 43/82
A61P 35/00	(21) EP17401125.4	(11) EP3402332
C07H 21/04	(47) 24.06.2020	(21) EP17700629.3
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C07K 16/28	(54) AGRICULTURAL FIELD SPRAYING DEVICE	(87) EP2017050313
C07K 16/30	(73) Amazonen-Werke H. Dreyer GmbH & Co. KG	20.07.2017
C12P 21/08	(72) Reisser, Fabian	(22) 09.01.2017
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(73) University of Washington through its Center for Commercialization	(11) EP3501274	(51) A01N 25/28
(72) WU, Jennifer	(21) EP17209536.6	A61K 31/14
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201361893734 P	(22) 21.12.2017	C09D 5/16
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21.10.2013	(73) Kverneland Group Nieuw-Vennep BV	(21) EP16199117.9
(33) United States of America	(72) Vedder, Gert-Jan	(47) 24.06.2020
United States of America	(51) A01M 13/00	(22) 28.09.2012
(51) A01K 67/027	A01M 17/00	(54) HIGH QUALITY ANTIMICROBIAL PAINT COMPOSITION
C07K 14/47	A23L 3/015	(73) SWIMC LLC
C12N 15/85	A23L 3/3409	(72) Gisser, Kathleen R.
C12N 15/86	A61L 2/00	Sibbald, Morgan S.
G01N 33/50	A61L 2/20	Smith, Wanda J.
(11) EP3066203	B01D 53/00	Dreshar, Janice K.
(21) EP14793193.5	(11) EP3366146	Prochazka, Donald A.
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(54) PNEUMATIC TIRE	B62K 5/10	SPURDEN, Bryan
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(72) LÖFFLER, Michael	F16F 9/02	(72) KATO, Shinya
GODET, Sylvain	F16F 9/32	KOBAYASHI, Ryo
DUFOUR, Stephane	F16F 9/50	SEKITO, Yasuhiro
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(54) METHOD FOR DETERMINING A	(72) HOLDEN, David J.	F25D 3/00
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KURATA, Takehiro	B60R 16/02	SECURING BOLT
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(54) HOLDER ASSEMBLY OF A	Opalka, Grzegorz	METHOD
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(72) Braykoff, Christo	AUTONOMOUS VEHICLE	HAHN, Alexander
Schultheiß, Hansjörg	(73) Hyundai Motor Company	BUDZYNSKI, Tobias
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B60W 10/02	H02P 9/48	LOWELL, Dana J.
B60W 10/06	H02P 31/00	BRNCICK, Gregory
B60W 10/08	H02P 21/00	(31) 201161533408 P
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B60K 6/543	flux optimizer	United States of America
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(54) ADJUSTMENT MECHANISM FOR MOTORIZED MULTI-WAY SEAT ADJUSTMENT	(73) Franz Xaver Meiller Fahrzeug- und Maschinenfabrik - GmbH & Co KG	(33) Germany
(73) Schukra Gerätebau GmbH	(72) POPP, Klaus	(51) B60Q 1/14
(72) SAMAIN, Maxime	(31) 102017218286	(11) EP2691264
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(22) 19.04.2013	(47) 24.06.2020	(54) METHOD AND CONTROL APPLIANCE FOR DISTANCE-DEPENDENT ADJUSTMENT OF THE LIGHT RANGE OF A LIGHTING SYSTEM FOR A VEHICLE
(54) Support base for a child safety seat	(22) 08.05.2014	(73) Robert Bosch GmbH
(73) Wonderland Switzerland AG	(54) Semi-trailer for transporting goods	(72) EHLGEN, Tobias
(72) Guo, Zheng-Wen	(73) Remolques y Volquetes, S.L.	FISCHER, Michael
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	ZOONENS, Alain	(72) Klettke, Marcus
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B60R 11/04	(22) 11.05.2017	B62D 5/04
B60T 7/22	(54) DISPLAY CONTROL DEVICE,	B62D 6/08
B60W 30/06	DISPLAY DEVICE, DISPLAY CONTROL	B62D 113/00
B62D 15/02	METHOD, AND PROGRAM	B62D 119/00
G02B 27/01	(73) JVC KENWOOD Corporation	H02J 1/00
G06K 9/00	(72) HAYASHI, Naoto	H02P 29/00
G08G 1/16	TERUUCHI, Takuji	(11) EP2583879
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(73) LG Electronics Inc.	(11) EP3215400	(72) KANEKAWA, Nobuyasu
(72) HAN, Kihoon	(21) EP15790917.7	KOBAYASHI, Ryoichi
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(51) B60R 1/00	(47) 24.06.2020	(51) B60R 21/38
B60R 11/04	(87) DE2017100257	B62D 25/10
G03B 17/02	26.10.2017	B62D 25/12
H04N 5/225	(22) 03.04.2017	E05F 7/00
(11) EP3240706	(54) METHOD FOR LOADING AT LEAST	(11) EP3431347
(21) EP15876347.4	ONE BICYCLE ONTO A BICYCLE	(21) EP18186847.2
(47) 24.06.2020	CARRIER DETACHABLY SECURED	(47) 24.06.2020
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(22) 31.12.2015	REMOVING THE BICYCLE FROM THE	PEDESTRIAN SAFETY MECHANISM
(54) REAR VEHICLE CAMERA	BICYCLE CARRIER, AND BICYCLE	(73) Magna Closures Inc.
(73) Gentex Corporation	CARRIER FOR USING THE METHOD	(72) Ferri, James J.
(72) MINIKEY, Danny L., Jr.	(73) Stockel, Jürgen	Mitchell, J. R. Scott
FISH, Richard T., Jr.	(72) Stockel, Jürgen	Szente, Csaba
HENDRICKS, Michael G.	(31) 102016107503	Playia, Jagdeep
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(54) METHOD FOR DECELERATING A VEHICLE TRAIN AND COMBINATION OF PNEUMATIC BRAKE SYSTEMS OF THE VEHICLES OF A VEHICLE TRAIN	(54) BRAKE SYSTEM FOR A VEHICLE AND METHOD FOR OPERATING A BRAKE SYSTEM OF A VEHICLE	B60W 30/18
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B60W 50/00	USING SAME	DISPLACEMENT DEVICE THEREFOR
F02D 29/02	(73) Doosan Corporation	(73) Mobilités Mondiales Inc.
G01C 21/26	(72) CHOI, Sun Ho	(72) ALLAIRE, Xavier
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F02D 29/02	(72) FATTAL, David A.	<hr/>
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(87) IB2009000428	(54) FAULT-TOLERANT COMPUTER	PRODUCING A RAIL VEHICLE, AND
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(22) 27.02.2009	AUTONOMOUS DRIVING	BOARDING ARRANGEMENT
(54) CONTROL APPARATUS AND METHOD	(73) TTTech Auto AG	(73) Stadler Altenrhein AG
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(73) Nissan Motor Co., Ltd.	Schmidt, Eric	<hr/>
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(54) PROTECTING ELEMENT OF	CONTROLLER, TRAIN TRANSMISSION	(73) thyssenkrupp AG
A RAILWAY WHEEL SET AND	SYSTEM, AND TRANSMISSION	thyssenkrupp Presta AG
RESPECTIVE MANUFACTURING	METHOD	(72) Steck, Philippe
METHOD	(73) Mitsubishi Electric Corporation	Werner, Sebastian
(73) Lucchini RS S.p.A.	(72) JUTORI, Motonobu	(31) 102012003042
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G01M 17/007	(33) Germany	ELECTRIC POWER STEERING DEVICE
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SYSTEM AND DERAILMENT SIGN	(72) DRIESSEN, Franciscus Johannes	OKUTANI, Masahiro
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OKUBO, Satomi	ASSEMBLY	VEHICLE COMBINATION
KUNIMI, Takashi	(73) TRW Steering Systems Poland Sp. z o.o.	(73) Volvo Truck Corporation
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(22) 24.05.2018	RICHTER, Timo	(73) ABUS August Bremicker Söhne KG
(54) LANE CHANGE ASSIST DEVICE	SCHÜNEMANN, Gerd	(31) 102017116941
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	VAN RAEMDONCK, Gandert Marcel Rita	(32) 26.07.2017
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(47) 24.06.2020	(54) ACTIVE FRONT DEFLECTOR	(54) MOTORCYCLE WITH STORAGE
(22) 09.03.2013	(73) Magna Exteriors Inc.	CONTAINER
(54) Frame support structure with upwardly	(72) Povinelli, Anthony, J.	(73) Piaggio & C. SpA
bent supporting sections	Matthews, Martin, R.	(72) BOLOGNESE, Giovanni
(73) MAN Truck & Bus SE	Manhire, Jeffrey, B.	GRACCI, Alberto
(72) Sattler, Steve	(31) 201462010825 P	(31) UA20163516
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(47) 24.06.2020	LOWERING A SPARE WHEEL OF A	MOTORCYCLE AND MOTORCYCLE
(22) 27.10.2017	VEHICLE, HAVING AN IMPROVED	(73) Robert Bosch GmbH
(54) REINFORCEMENT STRUT FOR A	ACTUATING DEVICE	(72) MOERBE, Matthias
MOTOR VEHICLE	(73) Proma S.p.A.	SCHWABE, Klaus
(73) Benteler Automobiltechnik GmbH	(72) SCRIBANO, Giovanni	(31) 102016211427
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(47) 24.06.2020	(87) JP2015070200	TWO FRONT WHEELS ROCKING
(87) JP2016064824	28.01.2016	VEHICLE
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(22) 19.05.2016	(54) CRAWLER DEVICE	(72) Iguchi, Kazunari
(54) VEHICLE BODY FRONT PORTION	(73) Topy Kogyo Kabushiki Kaisha	Mori, Yotaro
STRUCTURE	(72) AKAZAWA, Takuma	Uebayashi, Yuichi
(73) Nissan Motor Co., Ltd.	OOMURA, Seiji	Miyagishi, Shunichi
(72) HOSOMI, Kouji	TSUKUI, Shingo	Kawakami, Tomohiro
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OOTANI, Ryuuji	PCT/JP2015/064899	(31) 2016191046
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(22) 23.07.2016	E05B 63/00	(47) 24.06.2020
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VEHICLE	(11) EP3434850	(54) VEHICLE STEERING MECHANISM
(73) WABCO Europe BVBA	(21) EP18185146.0	(73) HONDA MOTOR CO., LTD.
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B64C 3/38	(72) BERNASCONI, Andrea	(72) SOCHELEAU, Jérôme
B64C 3/40	BIONDANI, Fabio	SCHWARTZ, Laurent
B64C 23/06	CAPOFERRI, Luca	(51) B64C 25/18
F16B 21/00	FAVIER, Alberto	B64C 25/20
F16F 1/32	VELARDE LOPEZ DE AYALA, Carmen	B64C 25/22
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(73) Airbus Operations Limited	B64D 27/18	AIRCRAFT LANDING GEAR
(72) BRAKES, David	B64D 33/04	(73) Goodrich Corporation
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XIAO, Dingfeng	(73) The Boeing Company	(31) UA20162712
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UNIT	(72) ABDELLI, Youcef	DION, Jonathan Luc
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United States of America	FIXATION METHOD FOR FIXING	connection between lines containing
United States of America	POWER LINE TO BASE MEMBER	media
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F25D 17/06	(54) SYSTEM OF FLEXIBLE PIPES AND	INTEGRATED SHUNT SYSTEM FOR
(11) EP3367023	COUPLING ELEMENTS AND METHOD	ACHIEVING A SHUNT FUNCTION ON
(21) EP16856630.5	OF PRODUCING SUCH A FLEXIBLE	THE MOVABLE SIDE OF A MULTI-
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(54) REFRIGERATOR AND AIR DUCT	(32) 20.06.2014	(72) SORBI, Roberto
DEVICE THEREOF	(33) Netherlands	NERI, Marco
(73) Qingdao Haier Joint Stock Co., Ltd	(51) F16L 23/00	RUSCONI, Paolo
(72) XIA, Enpin	G01D 11/30	(51) F16L 41/12
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(51) F16K 31/50	(22) 10.03.2016	(54) MECHANICAL PIPE FITTING
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(11) EP3482110	(73) Rosemount Inc.	(72) CHENG-SHENG, Hsu
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(73) Consumer Lighting (U.S.) LLC	(72) VISSENBERG, Michel, Cornelis, Josephus, Marie DE GRAAF, Jan ONUSHKIN, Grigory, Alexandrovich	(72) HU, Fei HOU, Haixiong
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(72) MEI, Chunhui	H04N 7/18	MORY, Benoit Jean-Dominique Bertrand
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FARINELLI, William, A.
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WISER, Lauren
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KAUR, Sukhdeep
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(51) G01N 23/203	A61K 8/60	14.08.2019
H01J 37/28	A61K 8/86	(11) EP3055266
G01N 23/04	A61K 8/92	(51) B01D 53/86
G01N 23/22	A61Q 5/10	C04B 7/36
G01N 23/2206	(00) 34/19	C04B 7/60
G01N 23/225	21.08.2019	F27B 7/20
G01N 23/2252	(11) EP2864053	(00) 34/19
(00) 34/19	(51) B04B 1/08	21.08.2019
21.08.2019	B04B 7/08	(11) EP3070141
(11) EP2668143	B04B 9/04	(51) F16D 69/02
(51) C04B 14/02	(00) 34/19	(00) 34/19
C04B 16/04	21.08.2019	21.08.2019
C04B 26/26	(11) EP2964215	(11) EP3079501
C08L 23/30	(51) A61K 9/08	(51) A23L 33/00
C08L 95/00	A61K 9/14	A23L 33/10
(00) 34/19	A61K 31/20	(00) 33/19
21.08.2019	A61K 31/201	14.08.2019
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(51) B22F 3/105	A61K 45/06	(51) A61K 38/00
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A61K 38/17	(51) H04L 1/18
C07K 16/00	H04W 28/02
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(51) B01J 20/26	(11) EP3318538
B01J 20/28	(51) C04B 26/02
B01J 20/30	C04B 26/04
C08J 3/075	C04B 26/06
C08J 3/20	C04B 28/02
C08L 101/14	C04B 28/04
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(11) EP3177459	21.08.2019
(51) B31F 1/28	(11) EP3342411
D04H 3/02	(51) A61K 31/436
D21F 1/00	A61P 35/00
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(51) A01D 34/00	(51) B60S 1/38
A01D 34/74	(00) 47/19
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(51) A61K 9/08	C11D 3/386
A61K 9/19	(00) 34/19
A61K 38/48	21.08.2019
A61K 47/02	
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A61K 47/18	
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F01N 13/18	
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(51) A61B 17/16	
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(00) Restoration of rights	
(00) Cartiheal (2009) Ltd	
(11) EP3300421	

VB2

Rechten waarvoor een beslissing is genomen op een verzoek- of bezwaarschrift conform de Octrooiwet 1995.

Contains data concerning requests and notices of opposition under the General administrative law in respect of which a decision has been taken or in respect for which a report has been made.

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(51) C07C 29/151

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F01K 23/06

(00) 21/20

20.05.2020

(00) 19.06.2020

(00) Positive

(11) EP2303905

(51) C07H 1/00

C07H 19/06

C07H 19/16

C07H 21/02

(00) 06/20

05.02.2020

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(00) Positive

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(51) C08F 10/06

C08J 5/18

C08L 23/10

C08L 23/12

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(51) A23C 19/032
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F04B 33/00
F04B 37/10
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(51) A23C 9/123
A23L 3/3463
A23L 3/3526
A23L 3/3535
A23L 3/3571
C07K 14/315
C12P 7/56
C12P 21/02

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(51) A23C 9/123
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A23L 3/3526
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A23L 3/3571
C07K 14/315
C12P 7/56
C12P 21/02

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(00) 25.05.2020
(51) A61J 7/00
B65B 5/10
B65B 43/52
B65B 57/04
B65G 47/26

(00) Established

(11) EP3009995
(00) 25.05.2020
(51) A61J 1/03
A61J 7/00
B65B 35/00
G07F 11/24
G07F 11/44
G07F 17/00

(00) Established

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(51) B22F 3/105
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B22F 5/10
C23C 16/18
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C23C 28/00

(11) EP3286568
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VRV

**Verval of nietigverklaring.
Contains data concerning lapse or annulment.**

(11) 1015502	(00) Patent Expired	(00) Patent Expired
(00) 22.06.2020	(11) EP1165725	(11) EP1196229
(00) Patent Expired	(00) 22.06.2020	(00) 21.06.2020
(11) 2023546	(00) Patent Expired	(00) Patent Expired
(00) 06.03.2020	(11) EP1166861	(11) EP1196287
(00) Application Withdrawn	(00) 19.06.2020	(00) 20.06.2020
(11) 2023571	(00) Patent Expired	(00) Patent Expired
(00) 15.06.2020	(11) EP1170054	(11) EP1196447
(00) Application Withdrawn	(00) 19.06.2020	(00) 20.06.2020
(11) 300524	(00) Patent Expired	(00) Patent Expired
(00) 17.06.2020	(11) EP1185279	(11) EP1196974
(00) SPC Application Rejected	(00) 20.06.2020	(00) 21.06.2020
(11) 300656	(00) Patent Expired	(00) Patent Expired
(00) 22.06.2020	(11) EP1187532	(11) EP1198487
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(00) 23.06.2020	(11) EP1187593	(11) EP1201057
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(00) 23.06.2020	(11) EP1189709	(11) EP1210266
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(11) EP1065387	(00) Patent Expired	(00) Patent Expired
(00) 21.06.2020	(11) EP1189916	(11) EP1214260
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(11) EP1065467	(00) Patent Expired	(00) Patent Expired
(00) 19.06.2020	(11) EP1189991	(11) EP1221129
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(11) EP1065659	(00) Patent Expired	(00) Patent Expired
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(11) EP1070722	(00) Patent Expired	(00) Patent Expired
(00) 22.06.2020	(11) EP1191927	(11) EP1259851
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(11) EP1080739	(00) Patent Expired	(00) Patent Expired
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(11) EP1108180	(00) Patent Expired	(00) Patent Expired
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(11) EP1108327	(00) Patent Expired	(00) Patent Expired
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(11) EP1110222	(00) Patent Expired	(00) Patent Expired
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(11) EP1110223	(00) Patent Expired	(00) Patent Expired
(00) 23.06.2020	(11) EP1194720	(11) EP1741516
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(51) A61N 1/05
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(00) Proceedings Interruption: Legal
prevention (Rule 142(1)(b))
(51) B32B 5/18
B32B 27/32
G09F 3/10

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(00) Suspension (Rule 14)
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CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) Simplivia Healthcare Ltd.	(51) A61K 48/00	(00) Change of owner(s) name
(73) Simplivia Healthcare Ltd.	A61P 35/00	(71) Schaeffler Monitoring Services GmbH
(11) EP2463201	C12N 7/00	(73) Schaeffler Monitoring Services GmbH
(00) 27.05.2020	C12N 15/00	(11) EP3483581
(51) A61J 1/10	C12N 15/86	(00) 26.05.2020
A61J 1/14	A61K 35/76	(51) G01M 13/04
A61J 1/20	A61K 35/768	(00) Assignment
A61M 5/162	(00) Assignment	(71) Loparex Germany GmbH & Co. KG
A61M 39/02	(71) VolkerWessels Intellectuele Eigendom	(73) Loparex Germany GmbH & Co. KG
A61M 39/22	B.V.	(11) EP2585549
B65B 1/04	(73) VolkerWessels Intellectuele Eigendom	(00) 28.05.2020
(00) Assignment	B.V.	(51) C09J 7/02
(71) Simplivia Healthcare Ltd.	(11) 1018155	(00) Change of owner(s) name
(73) Simplivia Healthcare Ltd.	(00) 26.05.2020	(71) Phillips 66 Company
(11) EP2252250	(51) E01B 11/54	(73) Phillips 66 Company
(00) 27.05.2020	E01B 19/00	(11) EP2836825
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(00) Assignment	(71) Loparex Germany GmbH & Co. KG	(51) G01N 17/00
(71) Simplivia Healthcare Ltd.	(73) Loparex Germany GmbH & Co. KG	G01N 27/08
(73) Simplivia Healthcare Ltd.	(11) EP2258545	G01N 33/18
(11) EP2231100	(00) 28.05.2020	(00) Assignment
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(00) Assignment	B65D 65/40	(11) EP3120728
(71) Harm Kiezebrink	(00) Change of owner(s) name	(00) 26.05.2020
(73) Harm Kiezebrink	(71) Weatherford Norge AS	(51) A46B 3/00
(11) 2017948	(73) Weatherford Norge AS	A46D 3/00
(00) 27.05.2020	(11) EP1460234	A61C 15/00
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B.V.	(71) Loparex Germany GmbH & Co. KG	(11) EP2588552
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(00) 26.05.2020	(11) EP2379625	(51) B32B 15/085
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(00) Change of owner(s) name	F16L 55/162	B32B 27/18
(71) Dr. Horst Lindhofer	(00) Change of owner(s) name	B32B 27/32
(73) Dr. Horst Lindhofer	(71) Searious B.V.	C09J 7/02
(11) EP1315520	(11) 2023981	(00) Change of owner(s) name
(00) 28.05.2020	(00) 25.05.2020	(71) Sagimet Biosciences Inc.
(51) A61K 39/00	(51) C14C 1/08	(73) Sagimet Biosciences Inc.
A61K 39/395	(00) Assignment	(11) EP2683244
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(00) Assignment	(73) Loparex Germany GmbH & Co. KG	(51) A61K 31/4427
(71) Neoprecision therapeutics Co., Ltd.	(11) EP2734365	A61P 31/12
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(11) EP2987858	B32B 27/32	C07D 401/12
(00) 26.05.2020	E04D 5/06	C07D 401/14
	E04D 5/10	C07D 405/10

C07D 405/12	(71) Apple Inc.	(51) H04L 1/18
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(11) 2010600	H04N 21/643	(11) 2011265
(00) 27.05.2020	H04L 12/26	(00) 27.05.2020
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(71) Apple Inc.	(71) Apple Inc.	(00) 27.05.2020
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(11) EP2044732	(11) EP1872480	H04B 7/216
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(71) MK MEDIAKIND SYSTEMS ISRAEL LTD	(11) EP1712043	(71) Apple Inc.
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(71) Apple Inc.	(11) EP2273740	H04J 3/00
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(51) H04B 17/00	H04W 74/02	H04W 52/32
H04L 1/00	(00) Assignment	(00) Assignment
H04W 28/00	(71) Apple Inc.	(71) Apple Inc.
H04W 72/12	(73) Apple Inc.	(73) Apple Inc.
H04W 84/04	(11) EP2020093	(11) EP2848046
(00) Assignment	(00) 27.05.2020	(00) 27.05.2020
(71) Apple Inc.	(51) H04B 7/06	(51) H04B 7/06
(73) Apple Inc.	H04L 1/00	H04W 8/02
(11) EP1958349	(00) Assignment	H04W 40/04
(00) 27.05.2020	(71) Apple Inc.	(00) Assignment
(51) H04B 7/04	(73) Apple Inc.	(71) Apple Inc.
H04B 7/06	(11) EP2025074	(73) Apple Inc.
(00) Assignment	(00) 27.05.2020	(11) EP1997251
(71) Apple Inc.	(51) H04B 7/04	(00) 27.05.2020
(73) Apple Inc.	H04B 7/06	(51) H04W 72/04
(11) EP1436949	H04B 7/26	(00) Assignment
(00) 27.05.2020	(00) Assignment	(71) Apple Inc.
(51) H04L 12/28	(71) Apple Inc.	(73) Apple Inc.
(00) Assignment	(73) Apple Inc.	(11) EP2847890
(71) Apple Inc.	(11) EP1940095	(00) 27.05.2020
(73) Apple Inc.	(00) 27.05.2020	(51) H04B 7/26
(11) EP2296299	(51) H04L 1/18	H04W 36/00
(00) 27.05.2020	H04W 36/02	H04W 36/04
(51) H04B 17/00	H04W 88/12	H04W 36/16
H04J 3/06	(00) Assignment	H04W 36/18
H04L 1/00	(71) Apple Inc.	H04W 36/30
H04W 72/08	(73) Apple Inc.	H04W 48/20
H04W 72/12	(11) EP2479905	H04W 52/02
(00) Assignment	(00) 27.05.2020	H04W 72/04
(71) Apple Inc.	(51) H04B 7/208	H04W 72/12
(73) Apple Inc.	H04B 7/216	H04W 76/02
(11) EP2056637	H04J 3/00	H04W 76/04
(00) 27.05.2020	H04L 1/16	H04W 88/02
(51) H04L 27/20	H04L 7/06	H04W 88/06
(00) Assignment	H04W 24/06	(00) Assignment
(71) Apple Inc.	H04W 52/32	(71) Apple Inc.
(73) Apple Inc.	(00) Assignment	(73) Apple Inc.
(11) EP1976145	(71) Apple Inc.	(11) EP2033330
(00) 27.05.2020	(73) Apple Inc.	(00) 27.05.2020
(51) H04B 7/005	(11) EP2742614	(51) H03G 3/30
(00) Assignment	(00) 27.05.2020	H04B 1/10
(71) Apple Inc.	(51) H04B 7/26	H04B 7/26
(73) Apple Inc.	H04W 4/06	H04L 27/26

H04B 1/40	(00) 27.05.2020	(00) 27.05.2020
(00) Assignment	(51) H04W 24/10	(51) H04B 7/06
(71) Apple Inc.	(00) Assignment	H04L 1/00
(73) Apple Inc.	(71) Apple Inc.	H04L 1/18
(11) EP2912881	(73) Apple Inc.	H04L 5/00
(00) 27.05.2020	(11) EP2901800	H04L 5/14
(51) H04N 21/2343	(00) 27.05.2020	H04L 12/18
H04N 21/258	(51) H04W 4/00	H04L 29/06
H04N 21/442	H04W 8/00	H04W 4/00
H04N 21/643	H04W 72/02	H04W 4/08
H03M 13/15	H04W 76/02	H04W 52/02
H03M 13/19	(00) Assignment	H04W 64/00
H04L 5/00	(71) Apple Inc.	H04W 72/04
H04L 12/26	(73) Apple Inc.	H04W 72/08
H04L 29/06	(11) EP3002971	H04W 72/12
H04L 29/08	(00) 27.05.2020	H04B 7/02
H04W 16/28	(51) H04L 1/18	H04B 7/024
H04W 24/02	H04W 36/00	H04B 7/04
H04W 24/04	H04W 36/02	H04B 7/0413
H04W 28/02	H04W 36/36	H04B 7/0456
H04W 40/34	H04W 36/38	(00) Assignment
H04W 72/00	H04W 88/12	(71) Apple Inc.
H04W 72/04	H04W 92/10	(73) Apple Inc.
H04W 76/02	(00) Assignment	(11) EP2041885
H04W 88/06	(71) Apple Inc.	(00) 27.05.2020
H04N 19/89	(73) Apple Inc.	(51) H04B 7/06
(00) Assignment	(11) EP2774451	H04B 7/26
(71) Apple Inc.	(00) 27.05.2020	H04B 17/00
(73) Apple Inc.	(51) H04W 8/02	H04B 7/02
(11) EP2848048	H04W 92/02	H04B 7/04
(00) 27.05.2020	(00) Assignment	(00) Assignment
(51) H04W 52/02	(71) Apple Inc.	(71) Apple Inc.
H04W 72/10	(73) Apple Inc.	(73) Apple Inc.
H04W 72/12	(11) EP2702807	(11) EP2901810
H04W 76/02	(00) 27.05.2020	(00) 27.05.2020
H04W 76/04	(51) H04B 7/06	(51) H04W 76/06
H04W 88/06	H04J 11/00	H04W 88/08
(00) Assignment	H04L 5/00	H04W 92/04
(71) Apple Inc.	H04L 27/26	(00) Assignment
(73) Apple Inc.	H04W 4/00	(71) Apple Inc.
(11) EP2425544	H04W 36/14	(73) Apple Inc.
(00) 27.05.2020	H04W 52/02	(11) EP2949056
(51) H04B 7/06	H04W 88/06	(00) 27.05.2020
H04L 25/03	H04B 7/04	(51) H04W 72/04
H04B 7/04	(00) Assignment	(00) Assignment
(00) Assignment	(71) Apple Inc.	(71) Apple Inc.
(71) Apple Inc.	(73) Apple Inc.	(73) Apple Inc.
(73) Apple Inc.	(11) EP2915263	(11) EP2826267
(11) EP2456091	(00) 27.05.2020	(00) 27.05.2020
(00) 27.05.2020	(51) H04L 5/00	(51) H04W 4/06
(51) H04B 7/04	H04W 24/10	H04W 88/02
H04B 7/06	H04W 88/02	(00) Assignment
(00) Assignment	H04B 7/02	(71) Apple Inc.
(71) Apple Inc.	H04B 7/04	(73) Apple Inc.
(73) Apple Inc.	(00) Assignment	(11) EP2898733
(11) EP2856675	(71) Apple Inc.	(00) 27.05.2020
(00) 27.05.2020	(73) Apple Inc.	(51) H04L 5/14
(51) H04B 7/26	(11) EP2848072	H04W 52/12
H04J 11/00	(00) 27.05.2020	H04W 52/14
H04L 5/00	(51) H04W 72/12	H04W 52/24
H04W 72/04	H04W 88/06	H04B 17/24
H04W 72/14	H04W 88/10	H04B 17/336
H04W 88/02	H04W 92/10	H04B 17/345
(00) Assignment	(00) Assignment	(00) Assignment
(71) Apple Inc.	(71) Apple Inc.	(71) Apple Inc.
(73) Apple Inc.	(73) Apple Inc.	(73) Apple Inc.
(11) EP2880778	(11) EP2807870	(11) EP3026819

(00) 27.05.2020	(51) H04W 72/04	(11) EP2901602
(51) H04B 1/04	(00) Assignment	(00) 27.05.2020
H04B 1/30	(71) Apple Inc.	(51) H04B 5/00
H04L 27/38	(73) Apple Inc.	H04B 7/26
(00) Assignment	(11) EP2847885	H04J 3/16
(71) Apple Inc.	(00) 27.05.2020	H04J 11/00
(73) Apple Inc.	(51) H04B 1/56	H04L 1/18
(11) EP2901741	H04B 7/06	H04W 8/08
(00) 27.05.2020	H04B 7/26	H04W 24/08
(51) H04B 5/00	H04B 15/00	H04W 48/18
H04L 29/06	H04J 3/00	H04W 52/02
H04W 8/08	H04J 3/16	H04W 52/04
H04W 24/00	H04L 5/00	H04W 52/14
H04W 24/08	H04L 29/02	H04W 72/00
H04W 24/10	H04W 4/06	H04W 72/02
H04W 28/02	H04W 24/02	H04W 72/04
H04W 40/24	H04W 48/20	H04W 88/18
H04W 88/02	H04W 52/02	H04B 17/318
H04W 88/18	H04W 56/00	H04W 4/00
H04B 17/318	H04W 72/10	(00) Assignment
(00) Assignment	H04W 76/04	(71) Apple Inc.
(71) Apple Inc.	H04B 7/04	(73) Apple Inc.
(73) Apple Inc.	H04B 7/02	(11) EP2842385
(11) EP2880951	(00) Assignment	(00) 27.05.2020
(00) 27.05.2020	(71) Apple Inc.	(51) H04W 24/02
(51) H04W 52/02	(73) Apple Inc.	H04W 24/06
H04W 72/04	(11) EP2434656	H04W 24/08
H04W 76/04	(00) 27.05.2020	H04W 52/02
(00) Assignment	(51) H04W 52/14	(00) Assignment
(71) Apple Inc.	H04W 52/22	(71) Apple Inc.
(73) Apple Inc.	H04W 52/26	(73) Apple Inc.
(11) EP2901788	H04W 52/28	(11) EP2926477
(00) 27.05.2020	H04W 52/34	(00) 27.05.2020
(51) H04L 5/00	H04W 52/60	(51) H04B 7/26
H04W 72/04	H04W 72/02	H04B 17/00
H04W 72/12	(00) Assignment	(00) Assignment
(00) Assignment	(71) Apple Inc.	(71) Apple Inc.
(71) Apple Inc.	(73) Apple Inc.	(73) Apple Inc.
(73) Apple Inc.	(11) EP2740254	(11) EP2852190
(11) EP1704654	(00) 27.05.2020	(00) 27.05.2020
(00) 27.05.2020	(51) H04L 29/06	(51) H04W 4/06
(51) H04W 52/14	H04L 29/08	(00) Assignment
H04W 52/22	H04W 8/06	(71) Apple Inc.
H04W 52/26	H04W 24/02	(73) Apple Inc.
H04W 52/28	H04W 36/00	(11) EP2939472
H04W 52/34	H04W 36/14	(00) 27.05.2020
H04W 52/60	H04W 52/02	(51) G01C 21/34
H04W 72/02	H04W 72/02	H04W 48/16
(00) Assignment	H04W 76/04	H04W 64/00
(71) Apple Inc.	H04W 4/00	(00) Assignment
(73) Apple Inc.	(00) Assignment	(71) Apple Inc.
(11) EP2793405	(71) Apple Inc.	(73) Apple Inc.
(00) 27.05.2020	(73) Apple Inc.	(11) EP2848017
(51) H04B 7/06	(11) EP2880902	(00) 27.05.2020
H04B 7/04	(00) 27.05.2020	(51) H04W 8/08
(00) Assignment	(51) H04W 28/10	H04W 76/10
(71) Apple Inc.	H04W 80/10	(00) Assignment
(73) Apple Inc.	(00) Assignment	(71) Apple Inc.
(11) EP2446666	(71) Apple Inc.	(73) Apple Inc.
(00) 27.05.2020	(73) Apple Inc.	(11) EP2826275
(51) H04W 36/24	(11) EP2807779	(00) 27.05.2020
H04W 84/04	(00) 27.05.2020	(51) H04W 24/02
(00) Assignment	(51) H04L 1/18	(00) Assignment
(71) Apple Inc.	H04L 27/26	(71) Apple Inc.
(73) Apple Inc.	(00) Assignment	(73) Apple Inc.
(11) EP2880802	(71) Apple Inc.	(11) EP2804339
(00) 27.05.2020	(73) Apple Inc.	(00) 27.05.2020

(51) H04L 1/00	H04L 5/14	(71) Apple Inc.
H04L 27/26	H04W 28/02	(73) Apple Inc.
H04W 74/02	H04W 28/08	(11) EP2837110
(00) Assignment	H04W 36/22	(00) 27.05.2020
(71) Apple Inc.	H04W 48/12	(51) H04L 5/00
(73) Apple Inc.	H04W 52/02	H04W 24/02
(11) EP2702826	H04W 52/38	H04W 36/00
(00) 27.05.2020	H04W 68/00	H04W 72/04
(51) H04N 21/2365	H04W 72/04	H04W 4/00
H04N 21/63	H04W 88/08	H04W 4/70
H04N 21/643	H04W 92/02	H04W 76/19
H04L 27/26	H04W 4/00	(00) Assignment
H04L 29/06	H04W 4/70	(71) Apple Inc.
H04W 12/06	(00) Assignment	(73) Apple Inc.
H04W 12/08	(71) Apple Inc.	(11) EP2901804
H04W 28/02	(73) Apple Inc.	(00) 27.05.2020
H04W 36/14	(11) EP2153519	(51) H04B 5/00
H04W 36/22	(00) 27.05.2020	H04J 3/16
H04W 48/06	(51) H03F 1/02	H04L 1/18
H04W 52/02	H04L 27/36	H04L 5/00
H04W 72/04	(00) Assignment	H04L 12/02
H04W 84/12	(71) Apple Inc.	H04L 29/06
H04W 88/02	(73) Apple Inc.	H04W 8/08
H04W 88/06	(11) EP3226434	H04W 24/00
H04W 88/10	(00) 27.05.2020	H04W 28/00
H04W 4/00	(51) H04B 5/00	H04W 36/00
(00) Assignment	H04J 3/16	H04W 40/24
(71) Apple Inc.	H04J 11/00	H04W 48/00
(73) Apple Inc.	H04L 1/18	H04W 52/00
(11) EP2807840	H04L 5/00	H04W 72/00
(00) 27.05.2020	H04L 12/24	H04W 74/00
(51) H04W 4/06	H04W 8/08	H04W 80/10
H04W 80/10	H04W 28/00	H04W 88/00
(00) Assignment	H04W 36/00	H04B 17/318
(71) Apple Inc.	H04W 40/00	(00) Assignment
(73) Apple Inc.	H04W 52/02	(71) Apple Inc.
(11) EP3185446	H04W 52/04	(73) Apple Inc.
(00) 27.05.2020	H04W 72/00	(11) EP3084979
(51) H04J 11/00	H04W 74/00	(00) 27.05.2020
H04B 17/24	H04W 80/10	(51) H04B 7/06
H04B 17/26	H04W 84/12	H04B 17/00
H04B 17/345	H04W 88/02	H04B 7/04
(00) Assignment	H04W 88/08	(00) Assignment
(71) Apple Inc.	H04W 88/18	(71) Apple Inc.
(73) Apple Inc.	H04B 17/318	(73) Apple Inc.
(11) EP2530844	H04W 4/00	(11) EP2740265
(00) 27.05.2020	(00) Assignment	(00) 27.05.2020
(51) H04B 1/00	(71) Apple Inc.	(51) H04L 29/02
H04L 27/28	(73) Apple Inc.	H04L 29/06
(00) Assignment	(11) EP3038271	H04L 29/08
(71) Apple Inc.	(00) 27.05.2020	H04N 7/14
(73) Apple Inc.	(51) H04B 7/06	(00) Assignment
(11) EP2807766	H04B 7/04	(71) Apple Inc.
(00) 27.05.2020	(00) Assignment	(73) Apple Inc.
(51) H04B 7/26	(71) Apple Inc.	(11) EP2952032
H04W 4/06	(73) Apple Inc.	(00) 27.05.2020
H04W 8/26	(11) EP2880899	(51) H04W 48/18
H04W 4/70	(00) 27.05.2020	H04W 72/08
(00) Assignment	(51) H04B 7/06	H04W 88/06
(71) Apple Inc.	H04W 24/10	(00) Assignment
(73) Apple Inc.	(00) Assignment	(71) Apple Inc.
(11) EP2868134	(71) Apple Inc.	(73) Apple Inc.
(00) 27.05.2020	(73) Apple Inc.	(11) EP2826000
(51) H04L 1/00	(11) EP2761901	(00) 27.05.2020
H04L 1/16	(00) 27.05.2020	(51) G06K 7/10
H04L 1/18	(51) H04L 5/00	H04B 5/00
H04L 5/00	(00) Assignment	H04W 4/80

(00) Assignment	(11) EP2901748	H04W 48/20
(71) Apple Inc.	(00) 27.05.2020	H04W 52/02
(73) Apple Inc.	(51) H04B 5/00	H04W 56/00
(11) EP2885944	H04W 8/08	H04W 72/00
(00) 27.05.2020	H04W 24/08	H04W 88/06
(51) H04L 29/08	H04W 24/10	(00) Assignment
H04W 36/00	H04W 28/02	(71) Apple Inc.
H04W 36/10	H04W 28/16	(73) Apple Inc.
H04W 88/08	H04W 36/00	(11) EP1652361
H04W 88/18	H04W 40/24	(00) 27.05.2020
H04L 12/801	H04W 48/08	(51) H04W 52/24
H04L 12/815	H04W 52/02	H04W 52/34
H04W 4/00	H04W 52/04	(00) Assignment
(00) Assignment	H04W 72/00	(71) Apple Inc.
(71) Apple Inc.	H04W 74/00	(73) Apple Inc.
(73) Apple Inc.	H04W 80/10	(11) EP2514223
(11) EP2901740	H04W 88/02	(00) 27.05.2020
(00) 27.05.2020	H04W 88/18	(51) H04L 12/64
(51) H04B 5/00	H04B 17/318	H04W 4/08
H04L 12/02	H04W 4/00	H04W 28/02
H04L 29/02	(00) Assignment	H04W 52/02
H04W 24/00	(71) Apple Inc.	H04W 72/04
H04W 28/02	(73) Apple Inc.	H04W 72/10
H04W 36/00	(11) EP3123771	H04W 72/12
H04W 40/00	(00) 27.05.2020	H04W 88/02
H04W 48/00	(51) H04W 16/14	H04W 92/18
H04W 72/00	H04W 28/18	(00) Assignment
H04W 80/10	H04W 72/02	(71) Apple Inc.
H04W 84/04	(00) Assignment	(73) Apple Inc.
H04W 88/00	(71) Apple Inc.	(11) EP2941918
H04W 88/02	(73) Apple Inc.	(00) 27.05.2020
H04B 17/318	(11) EP2901811	(51) H04L 5/00
H04W 76/10	(00) 27.05.2020	H04L 29/06
H04W 76/28	(51) H04B 5/00	H04W 8/08
(00) Assignment	H04L 1/18	H04W 36/00
(71) Apple Inc.	H04L 29/08	H04W 48/08
(73) Apple Inc.	H04W 12/06	H04W 52/02
(11) EP2901584	H04W 28/16	H04W 56/00
(00) 27.05.2020	H04W 40/24	H04W 88/06
(51) H04B 5/00	H04W 48/16	(00) Assignment
H04L 1/18	H04W 72/00	(71) Apple Inc.
H04L 5/00	H04W 74/00	(73) Apple Inc.
H04W 8/08	H04W 80/10	(11) EP2901590
H04W 24/08	H04W 88/02	(00) 27.05.2020
H04W 24/10	H04W 92/18	(51) H04B 5/00
H04W 28/02	H04B 17/318	H04L 29/06
H04W 28/16	(00) Assignment	H04L 29/08
H04W 36/00	(71) Apple Inc.	H04W 8/08
H04W 40/24	(73) Apple Inc.	H04W 40/24
H04W 72/00	(11) EP2903350	H04W 72/00
H04W 74/00	(00) 27.05.2020	H04W 72/02
H04W 80/10	(51) H04W 48/16	H04W 72/04
H04W 88/02	(00) Assignment	H04W 72/12
H04W 88/18	(71) Apple Inc.	H04W 88/02
H04B 17/00	(73) Apple Inc.	H04W 88/18
H04B 17/318	(11) EP2847893	H04B 17/318
H04B 7/04	(00) 27.05.2020	(00) Assignment
H04W 4/00	(51) H04B 1/56	(71) Apple Inc.
(00) Assignment	H04B 7/00	(73) Apple Inc.
(71) Apple Inc.	H04B 15/00	(11) EP2868009
(73) Apple Inc.	H04J 3/00	(00) 27.05.2020
(11) EP3133857	H04J 3/16	(51) H04W 48/12
(00) 27.05.2020	H04J 3/26	H04W 52/02
(51) H04W 24/02	H04L 5/00	H04W 52/38
(00) Assignment	H04L 5/14	H04W 4/70
(71) Apple Inc.	H04L 27/26	(00) Assignment
(73) Apple Inc.	H04W 16/14	(71) Apple Inc.
	H04W 24/02	

(73) Apple Inc.
 (11) EP3300261
 (00) 27.05.2020
 (51) H04B 5/00
 H04B 7/26
 H04J 3/16
 H04W 52/02
 H04W 72/00
 H04W 72/02
 H04W 72/04
 H04W 72/12
 H04W 88/02
 H04W 88/18
 H04B 17/318
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2622761
 (00) 27.05.2020
 (51) H04W 72/04
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2880956
 (00) 27.05.2020
 (51) H04W 48/16
 H04W 88/06
 H04W 76/14
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2901589
 (00) 27.05.2020
 (51) H04B 5/00
 H04W 28/02
 H04W 28/08
 H04W 28/16
 H04W 36/00
 H04W 36/08
 H04W 36/22
 H04W 72/00
 H04W 72/02
 H04W 72/04
 H04W 72/12
 H04W 88/02
 H04W 88/18
 H04B 17/318
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2807838
 (00) 27.05.2020
 (51) H04L 29/06
 H04W 4/06
 H04W 4/08
 H04W 72/04
 H04W 72/08
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2932771
 (00) 27.05.2020
 (51) H04W 64/00
 H04W 88/02
 H04W 4/00
 (00) Assignment

 (71) Apple Inc.

(73) Apple Inc.
 (11) EP3316643
 (00) 27.05.2020
 (51) H04L 5/00
 H04W 72/04
 H04W 72/12
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2941936
 (00) 27.05.2020
 (51) H04L 29/06
 H04W 12/02
 H04W 36/00
 H04W 88/06
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2880789
 (00) 27.05.2020
 (51) H04N 21/2343
 H04N 21/258
 H04J 11/00
 H04L 1/18
 H04L 5/00
 H04L 12/24
 H04L 12/26
 H04L 27/26
 H04L 29/06
 H04L 29/08
 H04W 12/06
 H04W 16/28
 H04W 24/02
 H04W 88/06
 H04L 12/703
 H04L 12/807
 H04W 76/14
 H04W 76/15
 H04W 76/16
 H04W 76/28
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2878156
 (00) 27.05.2020
 (51) H04W 24/04
 H04W 36/00
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP3032737
 (00) 27.05.2020
 (51) H03F 1/02
 H03F 1/30
 H03F 1/32
 H03F 3/181
 H03F 3/19
 H03F 3/24
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2837105
 (00) 27.05.2020
 (51) H04W 8/00
 H04W 76/14
 (00) Assignment

 (71) Apple Inc.

(73) Apple Inc.
 (11) EP2837215
 (00) 27.05.2020
 (51) H04L 5/00
 H04L 12/58
 H04W 4/14
 H04W 60/04
 H04W 4/50
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2910050
 (00) 27.05.2020
 (51) H04B 5/00
 H04L 29/06
 H04W 8/08
 H04W 24/00
 H04W 28/02
 H04W 28/16
 H04W 36/00
 H04W 40/00
 H04W 48/00
 H04W 72/00
 H04W 74/00
 H04W 80/10
 H04W 88/02
 H04W 88/04
 H04W 88/08
 H04W 88/14
 H04W 88/16
 H04W 88/18
 H04W 4/00
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2880616
 (00) 27.05.2020
 (51) H04N 21/2343
 H04N 21/258
 H04L 12/24
 H04L 12/26
 H04L 29/06
 H04L 29/08
 H04W 16/18
 H04W 16/28
 H04W 24/02
 H04W 24/04
 H04W 24/10
 H04W 36/14
 H04W 40/20
 H04W 40/24
 H04W 48/14
 H04W 48/18
 H04W 88/06
 H04L 12/725
 H04B 17/27
 H04W 4/00
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP2193614
 (00) 27.05.2020
 (51) H04B 7/26
 (00) Assignment

 (71) Apple Inc.
 (73) Apple Inc.
 (11) EP3012981
 (00) 27.05.2020

(51) G06K 7/10	H04W 48/18	H04W 76/20
H04B 5/00	H04W 72/00	(00) Assignment
H04W 4/80	H04W 72/02	(71) Apple Inc.
(00) Assignment	H04W 72/04	(73) Apple Inc.
(71) Apple Inc.	H04W 72/12	(11) EP1976144
(73) Apple Inc.	H04W 80/10	(00) 27.05.2020
(11) EP2880777	H04W 88/02	(51) H04W 52/14
(00) 27.05.2020	H04B 17/318	H04W 52/22
(51) H04B 7/06	(00) Assignment	H04W 52/26
H04W 24/10	(71) Apple Inc.	H04W 52/28
(00) Assignment	(73) Apple Inc.	H04W 52/34
(71) Apple Inc.	(11) EP2827649	H04W 52/60
(73) Apple Inc.	(00) 27.05.2020	H04W 72/02
(11) EP2941833	(51) H04W 48/18	(00) Assignment
(00) 27.05.2020	(00) Assignment	(71) Apple Inc.
(51) H04L 1/00	(71) Apple Inc.	(73) Apple Inc.
H04L 29/06	(73) Apple Inc.	(11) EP1671396
H04W 12/02	(11) EP2448145	(00) 27.05.2020
H04W 36/00	(00) 27.05.2020	(51) H04B 7/06
H04W 88/06	(51) H04B 7/06	H04B 7/08
(00) Assignment	H04L 1/06	H04L 25/02
(71) Apple Inc.	(00) Assignment	H04L 27/26
(73) Apple Inc.	(71) Apple Inc.	(00) Assignment
(11) EP2880952	(73) Apple Inc.	(71) Apple Inc.
(00) 27.05.2020	(11) EP2774432	(73) Apple Inc.
(51) H04W 40/24	(00) 27.05.2020	(11) EP2936921
H04W 48/14	(51) H04W 52/02	(00) 27.05.2020
H04W 74/08	H04W 60/06	(51) G01C 21/34
H04W 88/06	(00) Assignment	H04W 4/16
(00) Assignment	(71) Apple Inc.	H04W 16/22
(71) Apple Inc.	(73) Apple Inc.	H04W 24/00
(73) Apple Inc.	(11) EP2901577	H04W 48/16
(11) EP2894882	(00) 27.05.2020	H04W 84/04
(00) 27.05.2020	(51) H04B 5/00	H04W 84/12
(51) H04W 4/02	H04B 7/26	H04W 88/02
(00) Assignment	H04J 3/16	G06F 3/048
(71) Apple Inc.	H04L 1/18	H04W 4/02
(73) Apple Inc.	H04W 36/22	H04W 4/029
(11) EP2727268	H04W 52/02	H04W 4/40
(00) 27.05.2020	H04W 52/04	(00) Assignment
(51) H04B 7/06	H04W 72/00	(71) Apple Inc.
H04L 1/00	H04W 72/02	(73) Apple Inc.
H04L 5/00	H04W 72/04	(11) EP2543222
H04L 27/36	H04W 72/12	(00) 27.05.2020
H04W 52/02	H04B 17/318	(51) H04L 1/00
H04W 52/14	(00) Assignment	H04W 72/04
H04W 52/32	(71) Apple Inc.	(00) Assignment
H04W 72/12	(73) Apple Inc.	(71) Apple Inc.
(00) Assignment	(11) EP3051710	(73) Apple Inc.
(71) Apple Inc.	(00) 27.05.2020	(11) EP2880781
(73) Apple Inc.	(51) H04B 5/00	(00) 27.05.2020
(11) EP2878092	H04W 24/08	(51) H04W 52/02
(00) 27.05.2020	H04W 24/10	H04W 92/20
(51) H04W 24/04	H04W 72/02	(00) Assignment
(00) Assignment	H04W 88/02	(71) Henricus Johannes Adrianus Stuijt
(71) Apple Inc.	H04B 17/318	(73) Henricus Johannes Adrianus Stuijt
(73) Apple Inc.	(00) Assignment	(11) 2021133
(11) EP2918136	(71) Apple Inc.	(00) 27.05.2020
(00) 27.05.2020	(73) Apple Inc.	(51) B25J 9/10
(51) H04B 5/00	(11) EP3014815	B25J 17/02
H04L 5/14	(00) 27.05.2020	A61G 5/10
H04L 29/06	(51) H04W 28/02	B25J 9/06
H04L 29/08	H04W 28/08	F16H 1/16
H04W 8/08	H04W 40/16	F16H 49/00
H04W 24/08	H04W 72/08	(00) Assignment
H04W 28/02	H04W 72/12	(71) Apple Inc.
H04W 48/14	H04W 76/10	(73) Apple Inc.

(11) EP2020099	(71) Apple Inc.	H04L 12/58
(00) 27.05.2020	(73) Apple Inc.	H04W 8/18
(51) H04B 7/06	(11) EP2848075	H04W 28/06
H04L 5/00	(00) 27.05.2020	H04W 52/02
H04W 72/12	(51) H04W 76/14	H04W 72/04
H04B 17/24	H04W 76/28	H04W 72/12
H04B 17/26	(00) Assignment	H04W 88/08
H04B 17/309	(71) Apple Inc.	H04W 4/70
H04B 7/0413	(73) Apple Inc.	(00) Assignment
H04B 7/0417	(11) EP3051714	(71) Apple Inc.
H04B 7/0426	(00) 27.05.2020	(73) Apple Inc.
(00) Assignment	(51) H04B 7/06	(11) EP2684408
(71) Apple Inc.	H04B 7/26	(00) 27.05.2020
(73) Apple Inc.	H04W 84/12	(51) H04B 7/26
(11) EP2599354	H04B 7/0417	H04L 5/00
(00) 27.05.2020	(00) Assignment	H04L 27/26
(51) H04B 7/06	(71) Apple Inc.	H04W 4/00
H04L 1/00	(73) Apple Inc.	H04W 4/02
H04L 27/26	(11) EP2740300	H04W 8/18
H04W 52/24	(00) 27.05.2020	H04W 28/02
H04W 52/26	(51) H04W 24/00	H04W 52/02
H04W 88/08	H04W 36/14	H04W 72/04
H04B 7/0452	H04W 48/16	H04W 76/02
(00) Assignment	H04W 48/18	H04W 88/08
(71) Apple Inc.	H04W 72/04	(00) Assignment
(73) Apple Inc.	H04W 72/12	(71) Apple Inc.
(11) EP3033905	H04W 88/06	(73) Apple Inc.
(00) 27.05.2020	H04W 76/14	(11) EP2868004
(51) H04W 28/08	H04W 76/23	(00) 27.05.2020
H04W 28/16	(00) Assignment	(51) H04L 1/18
H04L 12/803	(71) Apple Inc.	H04L 5/00
H04L 12/835	(73) Apple Inc.	H04L 5/14
(00) Assignment	(11) EP2901603	H04W 28/08
(71) Apple Inc.	(00) 27.05.2020	H04W 36/22
(73) Apple Inc.	(51) H04L 5/00	H04W 48/12
(11) EP3182625	H04W 24/10	H04W 52/02
(00) 27.05.2020	H04W 28/02	H04W 68/00
(51) H04B 7/26	H04W 40/24	H04W 72/04
H04J 11/00	H04W 52/14	H04W 88/08
H04L 5/00	H04W 72/00	H04W 92/02
H04W 72/04	H04W 72/04	H04W 4/00
H04W 88/02	H04W 72/12	(00) Assignment
(00) Assignment	H04W 74/00	(71) Apple Inc.
(71) Apple Inc.	H04B 17/318	(73) Apple Inc.
(73) Apple Inc.	H04B 17/382	(11) EP1656737
(11) EP2262127	H04W 76/00	(00) 27.05.2020
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(51) H04B 7/06	(71) Apple Inc.	H03M 13/11
H04B 7/08	(73) Apple Inc.	(00) Assignment
H04L 25/02	(11) EP2982053	(71) Apple Inc.
H04L 27/26	(00) 27.05.2020	(73) Apple Inc.
(00) Assignment	(51) H04W 8/08	(11) EP2807765
(71) Apple Inc.	H04W 52/24	(00) 27.05.2020
(73) Apple Inc.	(00) Assignment	(51) H04B 7/26
(11) EP2847904	(71) Apple Inc.	H04J 11/00
(00) 27.05.2020	(73) Apple Inc.	H04L 5/00
(51) H04L 5/00	(11) EP2848039	H04W 28/16
H04L 5/14	(00) 27.05.2020	H04W 36/00
(00) Assignment	(51) H04W 36/00	H04W 48/16
(71) Apple Inc.	H04W 36/32	H04W 72/04
(73) Apple Inc.	(00) Assignment	H04W 88/10
(11) EP2798889	(71) Apple Inc.	H04B 17/318
(00) 27.05.2020	(73) Apple Inc.	(00) Assignment
(51) H04W 4/08	(11) EP2684322	(71) Apple Inc.
H04W 68/02	(00) 27.05.2020	(73) Apple Inc.
H04W 4/70	(51) H04B 7/26	(11) EP2932763
(00) Assignment	H04L 5/00	(00) 27.05.2020

(51) H04W 64/00	H04B 7/04	H04W 48/00
H04W 80/02	(00) Assignment	H04W 52/02
H04W 76/15	(71) Apple Inc.	H04W 52/04
(00) Assignment	(73) Apple Inc.	H04W 72/00
(71) Apple Inc.	(11) EP3014909	H04W 74/00
(73) Apple Inc.	(00) 27.05.2020	H04W 80/10
(11) EP2856723	(51) H04W 24/10	H04W 88/02
(00) 27.05.2020	H04W 48/12	H04B 17/318
(51) H04L 1/18	H04W 72/04	H04W 4/00
H04L 27/26	(00) Assignment	H04W 76/00
(00) Assignment	(71) Apple Inc.	(00) Assignment
(71) Apple Inc.	(73) Apple Inc.	(71) Apple Inc.
(73) Apple Inc.	(11) EP2153571	(73) Apple Inc.
(11) EP2941934	(00) 27.05.2020	(11) EP3373479
(00) 27.05.2020	(51) H04W 56/00	(00) 27.05.2020
(51) H04L 29/06	(00) Assignment	(51) H04B 7/26
H04W 12/02	(71) Apple Inc.	H04W 36/00
H04W 36/00	(73) Apple Inc.	H04W 36/18
H04W 36/14	(11) EP2901588	H04W 36/30
H04W 88/06	(00) 27.05.2020	H04W 52/02
H04W 76/10	(51) H04B 5/00	H04W 88/06
(00) Assignment	H04L 29/06	(00) Assignment
(71) Apple Inc.	H04L 29/08	(71) Apple Inc.
(73) Apple Inc.	H04W 8/08	(73) Apple Inc.
(11) EP2798906	H04W 28/02	(11) EP2868017
(00) 27.05.2020	H04W 28/08	(00) 27.05.2020
(51) H04W 56/00	H04W 28/16	(51) H04L 5/00
H04W 88/06	H04W 36/00	(00) Assignment
(00) Assignment	H04W 36/08	(71) Apple Inc.
(71) Apple Inc.	H04W 36/22	(73) Apple Inc.
(73) Apple Inc.	H04W 72/00	(11) EP3386232
(11) EP2880890	H04W 74/00	(00) 27.05.2020
(00) 27.05.2020	H04W 80/10	(51) H04N 21/643
(51) H04W 16/28	H04W 88/02	H04L 12/24
H04W 24/10	H04W 88/18	H04L 12/26
(00) Assignment	H04B 17/318	H04L 29/06
(71) Apple Inc.	H04W 4/00	H04L 29/08
(73) Apple Inc.	H04W 76/00	H04W 8/18
(11) EP2915357	(00) Assignment	H04W 12/06
(00) 27.05.2020	(71) Apple Inc.	H04W 16/18
(51) H04W 24/04	(73) Apple Inc.	H04W 16/28
H04W 4/00	(11) EP3059995	H04W 24/10
(00) Assignment	(00) 27.05.2020	H04W 36/14
(71) Apple Inc.	(51) H04B 7/06	H04W 40/34
(73) Apple Inc.	H04L 5/00	H04W 74/08
(11) EP2988494	H04W 8/24	H04W 92/18
(00) 27.05.2020	H04W 24/04	H04L 12/703
(51) H04L 29/02	H04W 52/02	H04L 12/725
H04L 29/06	H04W 88/02	H04L 12/807
H04L 29/08	H04W 88/16	H04W 4/70
H04N 7/14	H04W 4/70	H04W 4/80
(00) Assignment	(00) Assignment	(00) Assignment
(71) Apple Inc.	(71) Apple Inc.	
(73) Apple Inc.	(73) Apple Inc.	
(11) EP2842269	(11) EP2901601	
(00) 27.05.2020	(00) 27.05.2020	
(51) H04L 12/24	(51) H04B 5/00	
H04L 12/26	H04B 7/26	
H04L 29/06	H04J 3/16	
H04W 24/00	H04L 1/18	
(00) Assignment	H04L 5/00	
(71) Apple Inc.	H04L 29/06	
(73) Apple Inc.	H04W 8/08	
(11) EP2847886	H04W 24/00	
(00) 27.05.2020	H04W 28/02	
(51) H04B 7/26	H04W 36/00	
H04L 5/00	H04W 40/24	

TVH

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