



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

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General Information

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Editorial enquiries

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Country Codes

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INID (Internationally agreed Numbers for the Identification of Data)

GUIDE TO THE USE OF THIS JOURNAL

The Australian Official Journal of Patents (AOJP) reports all major events and actions which take place during the life cycle of an Australian patent and provides certain details of these actions as they relate to the patent or patent application involved. This guide sets out to teach the reader how to use the journal to access this information.

While there are many possible actions in the life of a patent, the majority of actions reported relate to the following events, which are the main stages in the progression of a patent application to a granted patent:

(i) FILING -

This is the act of making an application. When the application is first filed certain details are published.

(ii) OPEN-TO-PUBLIC-INSPECTION (OPI) -

Approximately 18 months after first filing of an Australian or a corresponding foreign application, certain application documents, including the complete specification, become available to the public (Open-to-Public-Inspection or "OPI"). Relevant application details are published.

(iii) ACCEPTANCE –

This is the Commissioner's acceptance of a patent application. Once the Commissioner has accepted a patent application, certain details of the application are published in the AOJP. Notice of opposition may be filed within three months of advertisement of acceptance.

(iv) OPPOSITION –

If an opposition action is commenced against the grant of the patent, the application number and the name of the opponent are published. If the opposition is to the Certification of an Innovation Patent, the patent number and the name of the opponent are published.

(v) GRANTING –

Most accepted applications are not opposed. These proceed to grant and become granted patents. Of the few that are opposed (less than 1%) most of these, after resolution of the opposition, proceed to grant and become granted patents. Granted patents are simply listed in order of their patent number.

(vi) CERTIFICATION

This is the Commissioner's Certification after passing examination of a previously granted unexamined Innovation Patent.

In addition to the actions related to these stages, other actions reported include: assignments, lapsing or withdrawal of applications and ceasing or expiry of patents, voluntary amendments, extensions of time for certain actions and registration of licences.

How To Identify Information Using "INID" Numbers

Patents are published in many different countries and in many different languages. As a result, finding the information that you want (eg the filing date) on a patent document or in a journal can be quite difficult. There is an international system operating, which codifies this information in an unambiguous way, by assigning a specific number to each piece of information about the history of a patent. These numbers are called the **Internationally agreed Numbers for the Identification of Data** or INID numbers.

These numbers appear on all published patents and abstracts and are used throughout this journal to identify particular items of information. For example, the date on which a document is filed has the INID number (22), while the name of the applicant has the INID number of (71). These numbers are always expressed in parentheses and always immediately precede the information to which they relate. For example:

(22) 12.10.91

means that the filing date of the document which contains this reference is 12 October 1991. Learning the INID numbers for the information you want will help you find it quickly and easily. A complete list of the INID numbers and the items to which they relate is provided at the end of this Guide.

How Australian Patent Documents are Numbered

When searching information or ordering documents it is vital that you understand the numbering system.

Document Numbering in the **Australian Official Journal of Patents from 10th March 2018**

All patents, patent applications and provisional applications are assigned a "10" digit number.

- The first 4 digits identify the year of filing; and
- The fifth digit identifies the type of patent. Numerals; "0", "2", or "3" are allocated to standard complete applications and patents (including petty patents); "1" is allocated to innovation applications and patents; and "9" is allocated to provisional applications.

See Examples:

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

NOTE: Please refer to previous journal publications for numbering formats used prior to 10th March 2018.

Different prefixes will be associated to the application/patent at different stages of its life. This prefix indicates whether the application has been accepted.

A document corresponding to an unaccepted application has the prefix, AU-A; eg AU-A-2002200234.

A document corresponding to an accepted application carries the prefix AU-B; eg AU-B-2002200234.

Users need to be aware that an accepted document may differ from the corresponding unaccepted document. This is because amendment may occur between first publication (OPI) and second publication (acceptance).

NOTE: When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.

Arrangement of Information in the Journal

For each of the categories

- (i) Provisional Applications Filed,
- (ii) Complete Applications Filed,
- iii) Applications Open to Public Inspection
- (iv) Applications Accepted, and
- (v) Innovation Patent Certified.

The Journal lists the information published in that category in an alphabetical Name Index list based on the name of the applicant. These indices are useful if you wish to find information about applications made by a particular applicant.

In addition to the Name Index there is provided, for each of these categories, a Numerical Index This index lists the applications either in order of their Application Numbers, in the case of complete applications filed and applications OPI, or in order of their Document Number in the case of accepted applications. It provides, for each number, the name of the applicant. These indices are useful if you wish to track the progress of a particular patent application.

There are also IPC Indices provided for applications which are OPI and for applications which have been accepted. IPC stands for International Patent Classification. Each IPC "mark" is an alpha-numerical representation of a particular area of technology. These indices are in order of IPC mark, and within each mark provide either the application numbers of the application which are now OPI or the numbers of the cases now accepted. These indices are useful if you wish to check on patent activity in a particular technology.

Using the Indices

1. To Find Patent Information if You Know the Name of the Applicant.

Use the Name Indices. They will give you the following information identified by their INID number:

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
A) Provisional applications filed - Name Index		B) Complete applications filed - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> assigned to the application	(21)	The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)	The <u>date</u> of filing	(22)
The <u>title</u> of the invention	(54)	<u>Title</u> of the invention	(54)
		<u>Number</u> of priority document(s) if any	(31)
		<u>Date(s)</u> of filing of priority documents	(32)
		<u>Country</u> of which priority documents filed	(33)
		PCT application <u>number</u>	(86)

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
C) Applications open to public inspection - Name Index		D) Applications accepted - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> of the document	(11)	The <u>number</u> of the document	(11)
The <u>number</u> assigned to the application	(21)	The <u>number</u> of the accepted document	(10)
The <u>date</u> of filing	(22)	The <u>number</u> assigned to the application	(21)
The <u>title</u>	(54)	The <u>date</u> of filing	(22)
The <u>classification marks</u>	(51)	The <u>title</u>	(54)
Priority document <u>number(s)</u>	(31)	The <u>classification marks</u>	(51)
<u>Date</u> of filing of priority document(s)	(32)	PCT publication <u>number</u>	(87)
<u>Country</u> in which priority document filed	(33)	Priority document <u>number</u>	(31)
Publication <u>date</u> of unexamined document	(43)	<u>Date</u> of filing of priority document(s)	(32)
Inventors names if known	(72)	<u>Country</u> in which priority document filed	(33)
<u>Patent Attorneys</u>	(74)	Publication <u>date</u> of unexamined document	(43)

<u>ITEM</u>	<u>INID</u> <u>No.</u>
E) Patents Certified – Name Index	
The <u>name</u> of the applicant	(71)
The <u>number</u> of the accepted document	(10)
The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)
The <u>title</u>	(54)
The <u>classification marks</u>	(51)
Priority document <u>number</u>	(31)
<u>Date</u> of filing of priority document(s)	(32)
<u>Country</u> in which priority document filed	(33)
Publication <u>date</u> of granted patent	(45)
Inventors <u>names</u>	(72)
<u>Patent Attorneys</u>	(74)
Related by division	(62)

You will notice at each stage of following application through that all applications are in alphabetical order of **Applicant**, not inventor.

2. To Find Information About a Patent Application if You Know its Number.

Use the appropriate numerical index. This will give you the name of the applicant from the number. You will then need to use the appropriate Name Index as above to find out other information about the Patent Application you are interested in.

The following Numerical Indices are available:

- A) **Provisional** Applications filed.
- B) **Complete** Applications filed.
- C) Innovation Applications filed.
- D) Applications **Open to Public Inspection**.
- E) Applications **Accepted**.
- F) Innovation Patent Certified

3. To Find Information About Patent Documents in the Area of Technology in which You are Interested if You Know the International Patent Classification Mark for that Area.

All patent applications are classified according to their subject matter using the International Patent Classification (IPC). Although the system is very detailed and covers all technologies, knowledge of the IPC marks of the technologies you are interested in will allow you to find patent documents in these technologies quite easily. To identify the IPC marks of technologies you are interested in, you can inspect relevant documentation in any of AIPO's state offices.

The indices to use are

- A) Applications **OPI** - IPC Index
- B) Applications **accepted** - IPC Index.

These indices give you the numbers of the applications which are either OPI or Accepted and are listed in order of their IPC marks.

Once you have the numbers of the documents that interest you, consult the relevant Number Index (see 2. above) to find the applicant's name, and then the Name Index (see 1. above) to find out the details of that application.

'INID' NUMBERS in use on Australian Patent Documents

'INID' is an acronym for 'Internationally agreed Numbers for the Identification of Data'.

(10) Document identification

- (11) Number of the document
- (12) Plain language designation of the kind of document
- (19) WIPO country code, or other identification, of the country publishing the document.

(20) Document filing data

- (21) Number(s) assigned to the application(s).
- (22) Date(s) of filing application(s)
- (23) Other date(s) of filing, including exhibition filing date and date of filing complete specification following provisional specification.
- (24) Date from which industrial property rights may have effect.

(30) Priority data

- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filing priority application(s)
- (33) Country (countries) in which the priority application(s) was (were) filed.

(40) Date(s) of making available to the public

- (43) Date of publication by printing or similar process of an unexamined document, on which no grant has taken place on or before the said date.
- (44) Date of publication by printing or similar process of an examined document, on which no grant has taken place on or before the said date.
- (45) Date of publication by printing or similar process of a document, on which grant or certification has taken place on or before the said date.

(50) Technical Information

- (51) International Patent Classification
- (52) Domestic or national classification
- (54) Title of invention
- (56) List of prior art documents, if separate from descriptive text
- (57) Abstract or claim

(60) Reference(s) to other legally related domestic document(s)

- (60) Related by cognate(s).
- (61) Related by addition(s).
- (62) Related by division(s).

(70) Identification of parties concerned with the document

- (71) Name(s) of applicant(s)
- (72) Name(s) of inventor(s) if known to be such
- (74) Name(s) of attorney(s) or agent(s)
- (75) Name(s) of inventor(s) who is (are) also applicant(s)

(80) Identification of data related to International Conventions other than the Paris Convention

- (86) PCT Application Number
- (87) PCT Publication Number

NOTE

- (1) Australian patent documents published on or after 26 October 1978 should be referred to by the application number preceded by the prefix AU-A or AU-B.

AU-A = Pre-examination

AU-B = Post-examination

- (2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)₂, (51)₃, (51)₄ and (51)₅.
- (3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

Abstract of Decision

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Liquid Time Pty Ltd v Smartpark Technologies LLC [2020] APO 48

Patent Application: 2017251684

Title: Surfing wave pool using ship waves

Patent Applicant: Smartpark Technologies LLC

Opponent: Liquid Time Pty Ltd

Delegate: R Subbarayan

Decision Date: 19 November 2020

Hearing Date: Written submissions filed on 25 June 2020

Catchwords: **PATENTS** - Surfing wave pool – opposition to grant of patent under section 59 – entitlement and eligible person – contractual relationship – opponent is sole eligible person

Representation: Patent attorney for the applicant: IP Gateway Patent and Trade Mark Attorneys Pty Ltd
Patent attorney for the opponent: Dark IP

Proceedings under the Patents Act 1990

Provisional Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 12 Jan 2021 .

(71) Adama Australia Pty Limited (21) 2021900076 (22) 15.01.2021 (54) Highly Loaded Emulsifiable Concentrate Formulation of Picloram and Triclopyr	(71) CATLINK (21) 2020904871 (22) 30.12.2020 (54) Fully automatic smart cat toilet and cat toilet system	(71) Fitzsimmonds, M. (21) 2021900041 (22) 11.01.2021 (54) COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR PLACING WAGERS
(71) Ahmad, M. (21) 2021900077 (22) 15.01.2021 (54) CareSide	(71) Collar & Ruff (21) 2021900051 (22) 12.01.2021 (54) Dual Layers for leather and biothane dog collars.	(71) Fleet Space Technologies Pty Ltd (21) 2021900079 (22) 15.01.2021 (54) LEO Satellite Communication Systems and Methods
(71) Andromeda Metals Limited (21) 2021900068 (22) 13.01.2021 (54) CEMENTITIOUS MATERIAL ADDITIVE	(71) Collar & Ruff (21) 2021900052 (22) 12.01.2021 (54) Printed Biothane Dog Collars & Leads	(71) Fletcher Insulation Pty Ltd (21) 2021900055 (22) 12.01.2021 (54) FOIL MEMBRANE
(71) Applied Electric Vehicles Pty Ltd (21) 2021900067 (22) 13.01.2021 (54) A METHOD AND SYSTEM FOR COMMUNICATING WITH AN AUTONOMOUS VEHICLE	(71) Conflux Technology Pty Ltd (21) 2021900048 (22) 11.01.2021 (54) Heat exchanger	(71) Gardner, A. (21) 2021900050 (22) 12.01.2021 (54) Household waste and recycling system and method.
Bowyer, G. see BOWYER, R. (21) 2021900049	(71) Copp, S. (21) 2021900062 (22) 13.01.2021 (54) SINKERS	(71) GORDON, R.; STANLEY, J.; DRAPER, A. (21) 2021900056 (22) 12.01.2021 (54) SYSTEM AND METHOD FOR ENABLING EXCHANGE OF ONLINE BETS
(71) BOWYER, R.; Bowyer, G. (21) 2021900049 (22) 11.01.2021 (54) WEIGHT DISTRIBUTION HITCH (WDH) SPRING BAR GREASE COVER	(71) Dennis, J. (21) 2021900061 (22) 13.01.2021 (54) Device for improving or imparting features to sinkers	Hardman, B. see HARDMAN, G. (21) 2021900030
(71) BRODIE, M. (21) 2021900064 (22) 13.01.2021 (54) DEVICES, SYSTEMS AND METHODS USING FLEXIBLE CIRCUITRY FOR STIMULATING A BODY OF A SUBJECT TO CAUSE A DESIRED MOVEMENT	DRAPER, A. see GORDON, R. (21) 2021900056	(71) HARDMAN, G.; Hardman, B. (21) 2021900030 (22) 07.01.2021 (54) Valid Drivers Licence ignition lock scanner
(71) Byers, R. (21) 2021900046 (22) 11.01.2021 (54) Convert your existing hot water system to a solar system	(71) EQUUS AEROSPACE PTY. LTD. (21) 2021900083 (22) 16.01.2021 (54) EM-DIR ANTIMATTER THRUSTER	(71) Hartwig, J. (21) 2021900075 (22) 15.01.2021 (54) An Underground Mine Safety Arrangement For Monitoring Ground Support at an Unloading Location For a Vehicle at an Edge Of a Vertical Void
	(71) Evolution Drill Rigs Pty Ltd (21) 2021900081 (22) 15.01.2021 (54) A system for transferring drill rod including a storage sloop	

Provisional Applications Filed - Name Index cont'd

(71) Huddy, G.V.
(21) 2021900033 (22) 04.01.2021
(54) Zill - a female Urination and Hygiene Device

(71) InterpreData
(21) 2021900086 (22) 17.01.2021
(54) TraceBase - The invention relates Biological and Geological analytical and interpretive software applications designed for Inductively Coupled Plasma Mass Spectrometry or ICP-MS. The instrument counts the number "elements" per second based on their respective isotopic weight.

(71) Le Griffon, K.
(21) 2021900026 (22) 07.01.2021
(54) Mains power outlet switch cover

(71) Leviny, G.
(21) 2021900085 (22) 17.01.2021
(54) Energy Generator

(71) Lipscombe, G.
(21) 2021900037 (22) 10.01.2021
(54) This invention relates to the aerial delivery of fire retardants within plastic or other suitable packages designed for rupture by heat or foliage penetration.

(71) Lipscombe, G.
(21) 2021900038 (22) 10.01.2021
(54) The Pillow Slipper is a device designed for the purpose of simplifying the insertion of a standard sized pillow into a pillow slip. It may be utilised in a full range of commercial establishments, including hotels, motels, hospitals, nursing homes and cruise liners, through to domestic usage.

(71) Liptak, C.
(21) 2021900060 (22) 13.01.2021
(54) A portable battery powered heating and cooking appliance

(71) Mesoblast International Sarl
(21) 2021900059 (22) 12.01.2021
(54) Method of treating progressive heart failure in subjects with Class II heart failure

(71) Minelab Electronics Pty. Limited
(21) 2021900058 (22) 12.01.2021
(54) A METAL DETECTOR

(71) Mission Systems Holdings Pty Ltd.
(21) 2020904026 (22) 05.11.2020
(54) A DEVICE AND METHOD FOR NEUTRALISING AND/OR JAMMING AN UNDERSEA MINE

(71) MORSE MICRO PTY. LTD.
(21) 2021900074 (22) 15.01.2021
(54) A METHOD FOR IMPROVED SYNCHRONIZATION BETWEEN A TRANSMITTER AND A RECEIVER ON A WIRELESS NETWORK

(71) Motherson Innovations Company Ltd.
(21) 2021900071 (22) 14.01.2021
(54) Decorative Coating Excluding a Base Hard-Coat

(71) MSM Milling Pty Ltd
(21) 2021900094 (22) 18.01.2021
(54) IMPROVED OIL-BEARING MATERIAL EXTRACTION DEVICE AND SYSTEM

(71) NewSouth Innovations Pty Limited
(21) 2021900078 (22) 15.01.2021
(54) A process for recovering cobalt from lithium-ion batteries

(71) Nguyen, V.
(21) 2021900091 (22) 18.01.2021
(54) Apparatus And Method For Blocking A Pipe

(71) Opal Packaging Australia Pty Ltd
(21) 2021900057 (22) 12.01.2021
(54) A sack

(71) Partington, J.
(21) 2021900087 (22) 18.01.2021
(54) DIMENSIONAL DATA COMPARISON SYSTEM (DDCS)

(71) Peter MacCallum Cancer Institute
(21) 2021900080 (22) 15.01.2021
(54) Targeted delivery of theranostic agents

(71) Prescott, W.
(21) 2021900070 (22) 14.01.2021
(54) Shortanswer.com

(71) Production Technologies Australia Pty Ltd
(21) 2021900063 (22) 13.01.2021
(54) Cleaning out wells

(71) Queensland University of Technology
(21) 2021900042 (22) 11.01.2021
(54) An improved Perovskite-based solar cell

(71) rich, j.
(21) 2021900088 (22) 18.01.2021
(54) A wifi ,bluetooth connectable stethoscope for patient heart monitoring that

can be used with enclosed rear speaker or separate bluetooth earpiece and is able to be linked to smartphone with app or medical monitor systems and record software.

Rohitha, S. see Rohitha, B.
(21) 2021900084

Rohitha, B. see Rohitha, B.
(21) 2021900084

Rohitha, B. see Rohitha, B.
(21) 2021900084

(71) Rohitha, B.; Rohitha, S.; Rohitha, B.; Rohitha, B.
(21) 2021900084 (22) 17.01.2021
(54) Hanging onto Fences

(71) Seeing Machines Limited
(21) 2021900066 (22) 13.01.2021
(54) SYSTEM AND METHOD FOR SKIN DETECTION IN IMAGES

(71) Seeing Machines Limited
(21) 2021900093 (22) 18.01.2021
(54) Crew Controlled Rest Support System

STANLEY, J. see GORDON, R.
(21) 2021900056

(71) Stefou Fabrication PTY LTD
(21) 2021900073 (22) 14.01.2021
(54) LED tile screen bracket

(71) Subrib Pty Ltd
(21) 2021900089 (22) 18.01.2021
(54) APPARATUS FOR ASSISTING IN PREVENTING EROSION OF A SURFACE SURROUNDING A STRUCTURE

(71) T. Callaway and Associates Pty Ltd
(21) 2021900096 (22) 18.01.2021
(54) Supervised and unsupervised machine learning system and methods for automated multiclass categorisation of addictive gamblers and iterative real-world deployment optimisation thereof

(71) Telethon Kids Institute
(21) 2021900092 (22) 18.01.2021
(54) Implant

(71) The Star Entertainment Group Limited
(21) 2021900047 (22) 11.01.2021
(54) Roulette table

Provisional Applications Filed - Name Index cont'd

The University of Adelaide see Women's and Children's Local Health Network Inc.
(21) 2021900065

(71) University of Queensland
(21) 2021900095 (22) 18.01.2021
(54) PARTICULATE FILLED THERMO-PLASTIC POLYMER

(71) van Wijck, K.
(21) 2021900082 (22) 15.01.2021
(54) PAINT APPLICATION SYSTEM

(71) Vbreathe Pty Ltd
(21) 2021900054 (22) 12.01.2021
(54) Personal Protective Apparatus & Method

(71) Vernx Biotechnology Pty Ltd
(21) 2021900069 (22) 13.01.2021
(54) FATTY ACID COMPOSITIONS AND THE USE THEREOF

(71) Viga Foods Pty Ltd
(21) 2021900045 (22) 11.01.2021
(54) Method for producing a legume-based composition with improved binding properties and formed food products comprising same

(71) WATER SOLUTIONS (AUST) PTY. LTD.
(21) 2021900072 (22) 14.01.2021
(54) A gross pollutant trap for urban drainage pipelines

(71) Weir Minerals Australia Limited
(21) 2021900053 (22) 12.01.2021
(54) PRIMARY CARBIDE REFINEMENT IN HYPEREUTECTIC HIGH CHROMIUM WHITE IRONS

(71) WIREMAN PTY LIMITED
(21) 2021900090 (22) 18.01.2021
(54) An Agricultural fence Clip and Method

(71) Women's and Children's Local Health Network Inc.; The University of Adelaide
(21) 2021900065 (22) 13.01.2021
(54) METHODS AND DEVICES FOR DELIVERING AGENTS TO THE RESPIRATORY SYSTEM

Numerical Index

2020904026	Mission Systems Holdings Pty Ltd.
2020904871	CATLINK
2021900026	Le Griffon, K.
2021900030	HARDMAN, G.; Hardman, B.
2021900033	Huddy, G.V.
2021900037	Lipscombe, G.
2021900038	Lipscombe, G.
2021900041	Fitzsimmonds, M.
2021900042	Queensland University of Technology
2021900045	Viga Foods Pty Ltd
2021900046	Byers, R.
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2021900048	Conflux Technology Pty Ltd
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2021900081	Evolution Drill Rigs Pty Ltd
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2021900083	EQUUS AEROSPACE PTY. LTD.
2021900084	Rohitha, B.; Rohitha, S.; Rohitha, B.; Rohitha, B.
2021900085	Leviny, G.
2021900086	InterpreData
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2021900088	rich, j.
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2021900090	WIREMAN PTY LIMITED
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2021900093	Seeing Machines Limited
2021900094	MSM Milling Pty Ltd
2021900095	University of Queensland
2021900096	T. Callaway and Associates Pty Ltd

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. (*) Title not in Roman characters

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<hr/> <p>(71) AIMM Therapeutics B.V. (21) 2020294288 (22) 24.12.2020 (54) AML antigens and uses thereof (62) 2016281424</p> <hr/> <p>(71) Akebia Therapeutics, Inc (21) 2020294308 (22) 24.12.2020 (54) Solid forms of {[5-(3-chlorophenyl)-3-hydroxypyridine-2-carbonyl]amino}acetic acid, compositions, and uses (62) 2019202144</p> <hr/> <p>(71) Allergan, Inc. (21) 2020294291 (22) 24.12.2020 (54) Phenyl urea analogs as formyl peptide receptor 1 (FPR1) selective agonists (62) 2016302146</p> <hr/> <p>(71) Allergan, Inc. (21) 2020294323 (22) 24.12.2020 (54) Method for improving duration of effect of dermal filler treatment (62) 2015338889</p> <hr/> <p>(71) Apple Inc. (21) 2020294270 (22) 23.12.2020 (54) Devices, methods, and graphical user interfaces for generating tactile outputs (62) 2019202429</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2020294296 (22) 24.12.2020 (54) SYSTEMS AND METHODS FOR EVALUTATING A PROGRESSIVE JACKPOT USING A TIME CAP (31) 62/955,592 (32) 31.12.19 (33) US 16/833,003 27.03.20 US</p> <hr/> <p>(71) Arvinas Operations, Inc. (21) 2020294327 (22) 24.12.2020 (54) Imide-Based Modulators of Proteolysis and Associated Methods of Use (62) 2016270442</p> <hr/> <p>(71) Asics Corporation (21) 2020294335 (22) 29.12.2020 (54) Outsole and shoes (62) 2017409893</p> <hr/>	<p>(71) Auris Health, Inc. (21) 2020294275 (22) 23.12.2020 (54) Instrument device manipulator for a surgical robotics system (62) 2016321332</p> <hr/> <p>(71) Bigfoot Biomedical, Inc. (21) 2020294328 (22) 24.12.2020 (54) Adjusting Insulin Delivery Rates (62) 2017207484</p> <hr/> <p>(71) Black Mamba Rod Lift Company (21) 2020264397 (22) 06.11.2020 (54) Stabilization tool for use in inhibiting sucker rod buckling during compression moments in artificial lift wells (31) 62/848,189 (32) 15.05.19 (33) US</p> <hr/> <p>(71) Canva Pty Ltd (21) 2020294310 (22) 24.12.2020 (54) A multi-user system for creating brand collateral (62) 2016265852</p> <hr/> <p>(71) Celgene Corporation (21) 2020294311 (22) 24.12.2020 (54) Modified T lymphocytes having improved specificity (62) 2018203558</p> <hr/> <p>(71) CommScope Technologies LLC (21) 2020294297 (22) 24.12.2020 (54) Programmable power supplies for cellular base stations and related methods of reducing power loss in cellular systems (62) 2019216666</p> <hr/> <p>(71) Costales, D. (21) 2020294332 (22) 28.12.2020 (54) Multifunction Pole/Rod that can be used for camping tents, tarps, clothes hangers to reach hanged clothing/fashions on shop displays and other product design designed by me. Design No. 202011589 (Ladder Stabiliser)</p> <hr/> <p>(71) Dolby International AB (21) 2020294304 (22) 24.12.2020 (54) Audio Upmixer Operable in Prediction or Non-Prediction Mode (62) 2019240610</p> <hr/>	<p>(71) E. I. DU PONT DE NEMOURS AND COMPANY (21) 2020294272 (22) 23.12.2020 (54) TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM (62) 2019203116</p> <hr/> <p>(71) Emma Wohlers (21) 2020294330 (22) 26.12.2020 (54) Virtual Reality bookstore and immersive experiences</p> <hr/> <p>(71) Helix Co., Ltd. (21) 2020294289 (22) 24.12.2020 (54) Decomposition processor, decomposition processor mounted vehicle, and decomposition method (62) 2016384478</p> <hr/> <p>(71) Helix Co., Ltd. (21) 2020294290 (22) 24.12.2020 (54) Vortex water flow generator, water plasma generator, decomposition processor, decomposition processor mounted vehicle, and decomposition method (62) 2016384478</p> <hr/> <p>(71) Hensoldt Sensors GmbH (21) 2020289765 (22) 16.12.2020 (54) Missile warner and method for warning of a missile (31) 19 217 531.3 (32) 18.12.19 (33) EP</p> <hr/> <p>(71) Hubei University (21) 2020294319 (22) 24.12.2020 (54) TRANSITION METAL IONS DOPED TRIMANGANESE TETRAOXIDE NANOSHEET ARRAYS GROWN BASED ON CARBON CLOTH, AND PREPARATION METHOD AND APPLICATION THEREOF (31) 2020112575791 (32) 13.11.20 (33) CN</p> <hr/> <p>(71) Hurley, T. (21) 2020294333 (22) 28.12.2020 (54) Universal Binocular Lens Cap: Universal Binocular Lens Cap is designed to fit lenses of varying sizes. Inner ridges, which taper at each end for easy on/off installation, are key to the cap being universal. The inner structure allows for variable stretch and grip, with minimal wear on the delicate lens ring. (31) 2019904957 (32) 28.12.19 (33) AU</p>
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(71) Kop-Coat, Inc. (21) 2020294285 (22) 23.12.2020 (54) SOLUTIONS FOR ENHANCING THE EFFECTIVENESS OF INSECTICIDES AND FUNGICIDES ON LIVING PLANTS AND RELATED METHODS (62) 2019202599	(71) NTT DOCOMO, INC. (21) 2020294314 (22) 24.12.2020 (54) Audio signal processing device, audio signal processing method, and audio signal processing program (62) 2018274861	(71) Oystershell NV (21) 2020294306 (22) 24.12.2020 (54) Pen for the treatment of dermatological disorders and method for use thereof (62) 2016257193
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souri

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(62) 2018256670

(71) University of Tennessee Research
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(54) Antibody for skewing sex ratio and
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(71) Vifor Pharma Technology Ltd.

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(54) Potassium-binding agents for treating
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(71) Wilson Wolf Manufacturing Corporation

(21) 2020294286 (22) 23.12.2020

(54) Improved methods of genetically modi-
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(71) Xencor, Inc.

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(71) Zade, A.

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(71) Heilongjiang Bayi Agricultural University
(21) 2021100017 (22) 04.01.2021
(54) METHOD FOR ADSORPTION, SEPARATION AND PURIFICATION OF XYLOOLIGOSACCHARIDES IN SIMULATED MOVING BED

(71) Hunan Academy of Forestry
(21) 2021100018 (22) 04.01.2021
(54) EXTRACTING DESULFURIZING AGENT, PREPARATION METHOD

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(71) Huzhou University
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(71) Institute of animal husbandry, Heilongjiang Academy of Agricultural Sciences
(21) 2021100020 (22) 04.01.2021
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(21) 2020104413 (22) 31.12.2020
(54) Bipolar luminescent materials for blue and white organic light emitting diodes Donor-acceptor materials having cyanonaphthyl/ phenanthrene at C6/C9 positions with HLCT emissive state exhibit enhancing exciton utilization efficiency (η_s). These blue emitters show external quantum efficiency (η_{ex}) and η_s (DPIN/DBPIN: η_{ex} -6.14/5.89%; η_s -75/58%). The doped device with m-MTDATA: DPIN/DBPIN show η_{ex} of 7.06/5.90% with white emission. This work gives specific example for construction of HLCT blue-emissive materials and provides new design strategy for organic fluorescent materials.

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(71) Kashem, S.B.A.; Arularasu, S.; Gurusamy, M.; Suman, G.; Rani, S.; Abbas, S.; Chakrabarti, T.; Hati, A.S.; H.N, R.; Nagarajan, S.; Selvaknmani, S.; Chakrabarti, P.

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(54) A Novel Method of Effective Sentiment Analysis System by Improved Relevance Vector Machine

(71) M, M.; P., S.; Rafee, S.M.; V.P.S.; Poojari, A.; K N, P.; Shetty, J.; Atyam, N.R.; Shenoy, S.U.; Vasanthi, S.
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(54) SCIENTIFIC MODEL FOR PREDICTING CHANGE IN RAINFALL USING CLIMATIC RASTER DATA MINING

(71) Mahendran, S.; Nair, D.; Rout, S.; Sabitha, R.; Uma, K.; A, P.; Chakrabarti, T.; Patra, S.S.; Prusty, A.K.; Pradhan, K.; H.N, R.; Chakrabarti, P.
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(54) Deep Learning Based Method for Minimizing Haze from an Image File

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(71) Murdock, P.
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(54) Deep Assay

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Applications with amended filing dates Reg 3.5(A).

2020103892 **Beijing Information Science & Technology University** The filing date has been amended to 05.12.2020

Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

Reference to the application numbers must include the year of the application of the patent, which is shown preceding the numbers.

The codes next to each number have the following meanings:

Code Meaning

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)

- A Applications on which examination has not been requested or directed
- B Applications on which a direction to request examination has been given
- C Applications on which examination has been requested or on which an examination report has been issued
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2021

2021200098 (12AN)

Assignments before Grant, Section 113

2014

2014349817 Erasmus Universiteit Medisch Centrum Rotterdam
 The application has been assigned to **Cergentis B.V.**

2015

2015243881 Novogy, Inc. The application has been assigned to
Ginkgo Bioworks, Inc.

2016

2016205864 Linnane Pharma AB The application has been as-
 signed to **Selectimmune Pharma AB**

2016241555 Linnane Pharma AB The application has been as-
 signed to **Selectimmune Pharma AB**

2016278082 GasSecure AS The application has been assigned to
DRÄGER SAFETY AG & CO. KGaA

Assignments before Grant, Section 113

2017

2017246677 Forsys Subsea Limited The application has been as-
 signed to **Technip UK Ltd**

2017297650 Unisense A/S The application has been assigned to
SULFILOGGER A/S

2017305853 Nestlé Skin Health SA The application has been as-
 signed to **Galderma Holding SA**

2017361137 Tensa Equipment Pty Ltd The application has been as-
 signed to **Roborigger Pty Ltd**

2017364344 A.C.M. Srl Automatismi Costruzioni Meccaniche The
 application has been assigned to **M.E.P. Macchine Elettroniche Pie-
 gatrici S.p.A.**

2018

2018210155 GE Oil & Gas Pressure Control LP The application
 has been assigned to **VAULT PRESSURE CONTROL LLC**

2018221278 Outotec (Finland) Oy The application has been as-
 signed to **Metso Outotec Finland Oy**

2018235998 Niles, Martin The application has been assigned to
Bakscape Holding Corp.

2018256579 KCI Licensing, Inc. The application has been assigned
 to **3M Innovative Properties Company**

2018319214 Plectica LLC The application has been assigned to
FRAMEABLE INC.

2018330994 Crystal Pharmaceutical (Suzhou) Co., Ltd. The applic-
 ation has been assigned to **GlaxoSmithKline Intellectual Property
 (No. 2) Limited, England**

2018355103 KCI Licensing, Inc. The application has been assigned
 to **3M Innovative Properties Company**

2018359420 Western Oncolytics Ltd. The application has been as-
 signed to **KaliVir Immunotherapeutics LLC**

2018370588 Korea Research Institute of Bioscience and Biotechno-
 logy The application has been assigned to **Genkore Co. Ltd.**

2019

2019239984 Yuh, Chiou; NATIONAL HEALTH RESEARCH INSTI-
 TUTES The application has been assigned to **NATIONAL HEALTH
 RESEARCH INSTITUTES**

2019244944 A.C.M. S.r.l. Automatismi Costruzioni Meccaniche The
 application has been assigned to **M.E.P. Macchine Elettroniche Pie-
 gatrici S.p.A.**

2019283995 Retinagenix, LLC The application has been assigned
 to **RETINAGENIX THERAPEUTICS, INC.**

Assignments before Grant, Section 113

2020

2020103721 **Ozwall Manufacturing Australia Pty Ltd** The application has been assigned to **Ozwall Australia Pty Ltd**

2020900028 **Ozwall Manufacturing Australia Pty Ltd** The application has been assigned to **Ozwall Australia Pty Ltd**

2020900647 **Ozwall Manufacturing Australia Pty Ltd** The application has been assigned to **Ozwall Australia Pty Ltd**

2020903955 **Ozwall Manufacturing Australia Pty Ltd** The application has been assigned to **Ozwall Australia Pty Ltd**

Extensions of Time, Section 223

Applications Received

Notice of opposition under Section 223(6) to the undermentioned application(s) for an extension of time may be lodged at the Patent Office within the prescribed time.

2014

2014248886 **University of Utah Research Foundation** An application to extend the time from 11 Mar 2020 to 11 Nov 2020 in which to pay the renewal fee has been filed . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

Applications Allowed - Section 223(2)

2009

2009206700 **Enis, B.; Lieberman, P.** The time in which to pay the renewal fee has been extended to 23 Oct 2020 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2013

2013237655 **Reed, C.** The time in which to gain acceptance has been extended to 04 Apr 2021 . Address for service - The Trustee for Reed Family Trust 16 Moondani Drive Gilston QLD 4211 AU

2014

2014413501 **Beck, H.; Schumacher, T.** The time in which to gain acceptance has been extended to 07 Apr 2021 . Address for service - Belyea IP PO Box 1011 ELSTERNWICK VIC 3185 AU

2015

2015251350 **BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.** The time in which to gain acceptance has been extended to 11 Apr 2021 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2015316185 **FF Seeley Nominees Pty Ltd** The time in which to gain acceptance has been extended to 30 Apr 2021 . Address for service - IP& Pty Ltd PO BOX 6061 PYMBLE NSW 2073 AU

2015333587 **Automatic Technology (Australia) Pty Ltd** The time in which to file the SGP during Opposition Proceedings has been extended to 02 Apr 2021 . Address for service - FPA Patent Attorneys Pty Ltd L 43 101 Collins St Melbourne VIC 3000 AU

Extensions of Time, Section 223

2015337801 **The Flag Pole Company Pty Ltd** The time in which to gain acceptance has been extended to 30 Apr 2021 . Address for service - Robert George Muir 61 Muir Place Metung VIC 3904 AU

2016

2016202202 **CRUISEMASTER AUSTRALIA PTY LTD** The time in which to gain acceptance has been extended to 26 May 2021 . Address for service - Michael Buck IP PO Box 78 Red Hill QLD 4059 AU

2016243219 **Brand, A.; Royal Caridea LLC; Kemp, M.** The time in which to gain acceptance and pay the continuation fee has been extended to 11 Mar 2020 . Address for service - Pizzey's Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2016250695 **Lubrizol Advanced Materials, Inc.** The time in which to gain acceptance has been extended to 09 Apr 2021 . Address for service - Houlihan² Pty Ltd PO Box 611 BALWYN NORTH VIC 3104 AU

2017

2017236499 **Giber, J.; Lovász, S.; Rényi, G.** The time in which to request examination has been extended to 03 Feb 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2017261851 **Alcolizer Pty Ltd** The time in which to file the SGP during Opposition Proceedings has been extended to 02 Apr 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018

2018316342 **REMICK, Karen** The time in which to enter the national phase has been extended to 10 Aug 2020 . Address for service - Maderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2018419492 **DATASPARK PTE. LTD.** The time in which to enter the national phase has been extended to 17 Dec 2020 . Address for service - WADESON Level 27 101 Collins Street MELBOURNE VIC 3000 AU

2019

2019201262 **Island Block & Paving Pty Ltd** The time in which to file the SGP during Opposition Proceedings has been extended to 28 Mar 2021 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2019257435 **ArthroCare Corporation** The time in which to gain acceptance has been extended to 20 Jun 2021 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2019903992 **Blackhart, E.** The time in which to associate with a complete application has been extended to 23 Apr 2021 . Address for service - Elysia Blackhart P.O. Box 231 Melton VIC 3337 AU

2020

2020102706 **Jiangsu Academy of Agricultural Sciences** The time in which to comply with a direction under Reg 3.2B has been extended to 22 Jan 2021 . Address for service - TJIP Patents, Trade Marks & Designs Suite 4 45-49 Bundock ST Belgian Gardens TOWNSVILLE QLD 4810 AU

2020244593 **Amphivena Therapeutics, Inc.** The time in which to request examination has been extended to 20 Jan 2021 . Address for ser-

Extensions of Time, Section 223

vice - FB Rice Pty Ltd Level 14 90 Collins Street Melbourne VIC 3000 AU

2020900591 **Morozov, I.** The time in which to associate with a complete application has been extended to 28 May 2021 . Address for service - Adams Pluck PO Box 905 HORNSBY NSW 2077 AU

Amendments

Applications for Amendment

A person interested in opposing the allowance of amendments under Section 104 may at any time within two months from the date of this journal give notice at the Patent Office using the approved form accompanied by the prescribed fee.

A person who wishes to be heard in relation to a proposed Rectification of the Register must file a request to be heard within two months from the date of this journal.

2014

2014312813 Production method for concentrated product using freeze-concentration method **Meiji Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 22 Dec 2020 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2017

2017259259 Therapeutic HPV vaccine combinations **Janssen Vaccines & Prevention B.V. ; Bavarian Nordic A/S** The nature of the amendment is: Amend the name of the inventor to read Custers, Jerome H.H.V.; Scheper, Gerrit C.; Khan, Selina; Kalla, Markus; Weidner, Katrin and Bunnik, Evelien M. . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2018

2018305459 POLAR CODING METHOD AND APPARATUS **Hua-wei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 04 Jan 2021 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2019

2019240711 Method and apparatus for motion compensation prediction **NTT DOCOMO, INC.** The nature of the amendment is as shown in the statement(s) filed 24 Dec 2020 . Address for service - Spruson & Ferguson Level 24, Tower 2 Darling Park, 201 Sussex Street Sydney NSW 2000 AU

Amendments Made

2002

2002318166 **Instrumentation Laboratory Company** The nature of the amendment is: Amend the name of the inventor to read Mansouri, Sohrab; Xu, Xiaoxian and Cosofret, Vasile

2002324430 **Instrumentation Laboratory Company** The nature of the amendment is: Amend the name of the inventor to read Xu, Xiaoxian; Cosofret, Vasile; Shin, Melanie; Mansouri, Sohrab and Pamidi, Prasad

Amendments

2006

2006252048 **Instrumentation Laboratory Company** The nature of the amendment is: Amend the name of the inventor to read Xu, Xiaoxian; Mansouri, Sohrab and Cosofret, Vasile

2008

2008276140 **GENENTECH, INC.** The nature of the amendment is as shown in the statement filed 31 Aug 2020

2009

2009347084 **Koninklijke Douwe Egberts B.V.** The nature of the amendment is as shown in the statement filed 23 Sep 2020

2014

2014221229 **Squizz Pty Ltd** The nature of the amendment is as shown in the statement filed 12 Jan 2021

2014337555 **Seattle Genetics, Inc.** The nature of the amendment is as shown in the statement filed 30 Sep 2020

2014360743 **ChemoCentryx, Inc.** The nature of the amendment is as shown in the statement filed 12 Oct 2020

2015

2015308056 **Keter Plastic Ltd.** The nature of the amendment is as shown in the statement filed 01 Oct 2020

2015362394 **Japan Tobacco Inc.** The nature of the amendment is as shown in the statement filed 01 Oct 2020

2015393014 **Cai, X.** The nature of the amendment is: Application is to proceed under the number 2015101991

2015393014 **Cai, X.** The nature of the amendment is as shown in the statement filed 02 Jan 2021

2016

2016214132 **Cancer Research Technology Limited** The nature of the amendment is as shown in the statement filed 08 Oct 2020

2017

2017218473 **Engineered Antigens Inc.** The nature of the amendment is: Amend the invention title to read SLAM polynucleotides and polypeptides and uses thereof

2017355301 **Meetin, R.** The nature of the amendment is: Amend the invention title to read INFORMATION-PRESENTATION STRUCTURE WITH TEMPORARY COLOR CHANGE AT OBJECT-IMPACT AREA

2018

2018265411 **Axsome Therapeutics, Inc.** The nature of the amendment is as shown in the statements filed 24 Jun 2020 and 02 Oct 2020

2018271234 **Davis, L.C.** The nature of the amendment is: Amend the name of the inventor to read Davis, Lucy Carol

Amendments

2018335390 **Waymo LLC** The nature of the amendment is as shown in the statement filed 02 Oct 2020

2018361251 **Waymo LLC** The nature of the amendment is: Amend the priority details to read 15/798,881 31 Oct 2017 US

2018429247 **Fujitsu Limited** The nature of the amendment is: Amend the invention title to read Specifying method, determination method, specifying program, determination program, and information processing apparatus

2018430831 **Fujitsu Limited** The nature of the amendment is: Amend the invention title to read Determining method, determining program, and information processing apparatus

2018431941 **Jiangmen iGuarder Electronic Co., Ltd.** The nature of the amendment is: Amend the invention title to read PORTABLE FILM APPLICATION APPARATUS

2019

2019200518 **Owens-Brockway Glass Container Inc.** The nature of the amendment is as shown in the statement filed 13 Oct 2020

2019203593 **ERICO International Corporation** The nature of the amendment is: Amend the name of the inventor to read BUEHMAN, Erika Lynn and HOLDER, Gregory Dean

2019204364 **Molecular Templates, Inc.** The nature of the amendment is as shown in the statement filed 09 Oct 2020

2019233937 **BAE Systems plc** The nature of the amendment is: Amend the name of the inventor to read THREADGALL MILLER, Roy

2019265630 **Children's Medical Center Corporation** The nature of the amendment is: Amend the name of the inventor to read MCCULLY, James D.; COWAN, Douglas B.; DEL NIDO, Pedro J. and DUIGNAN, Thomas

2019269480 **Paul Hartmann AG** The nature of the amendment is: Amend the invention title to read Incontinence product in the form of briefs

2019272131 **Ningbo Fotile Kitchen Ware Co., Ltd** The nature of the amendment is: Amend the invention title to read Cooker burner

2019277168 **Solar Inventions LLC** The nature of the amendment is as shown in the statement filed 09 Dec 2020

2019284591 **Takeai, Inc.** The nature of the amendment is: Amend the invention title to read Computer System, Program, And Method For Providing Advice On Communication

2019302960 **Vivo Mobile Communication Co., Ltd.** The nature of the amendment is: Amend the invention title to read Method for Determining Scheduling Parameter, Method for Configuring Scheduling Parameter, Terminal, and Network-Side Device

2019302968 **Vivo Mobile Communication Co.,Ltd.** The nature of the amendment is: Amend the invention title to read Method for Determining Search Space Parameter, and Terminal Device

Amendments

2019303651 **Panasonic Intellectual Property Corporation of America** The nature of the amendment is: Amend the invention title to read Encoder, decoder, encoding method, and decoding method

2019303767 **Vivo Mobile Communication Co., Ltd.** The nature of the amendment is: Amend the invention title to read Channel Detection Indication Method, Terminal, and Network Device

2019309435 **Sandoz AG** The nature of the amendment is as shown in the statement filed 21 Dec 2020

2019312330 **CHINA UNIVERSITY OF MINING AND TECHNOLOGY; LIUPANSHUI NORMAL UNIVERSITY** The nature of the amendment is: Amend the name of the inventor to read Ai, Dechun; Zheng, Xigui; Liu, Hongyang; Yang, Junwei and Zhang, Peng

2019405358 **RemeGen Co., LTD.** The nature of the amendment is: Amend the invention title to read A linker for antibody-drug conjugates and its use

2019424137 **ASICS Corporation** The nature of the amendment is: Amend the invention title to read Shoe having counter

2019437717 **China University of Mining and Technology** The nature of the amendment is: Amend the name of the inventor to read GUI, Xiahui; JIANG, Lixiang; WU, Jianjun; XING, Yaowen; ZHANG, Rui; XIA, Yangchao; DING, Shihao and GUO, Fangyu

2019439997 **CHINA UNIVERSITY OF MINING AND TECHNOLOGY; LIUPANSHUI NORMAL UNIVERSITY** The nature of the amendment is: Amend the name of the inventor to read Ai, Dechun; Zheng, Xigui; Liu, Cancan; Yang, Junwei; Wei, Zhongju and Li, Peng

2020

2020103318 **Tangshan Hydrience Marine Technology Co., Ltd.; Tangshan Harbin Ship Technology Co., Ltd.** The nature of the amendment is: Amend the priority details to read PCT/CN2020/126152 03 Nov 2020 CN

2020224504 **LG Chem, Ltd.** The nature of the amendment is: Amend the invention title to read Battery cell, and battery module, battery rack and energy storage system including the same

2020281026 **Miles, S.** The nature of the amendment is as shown in the statement filed 23 Dec 2020

Alteration of Name(s) of Applicant(s)/Patentee(s)**2004**

2004289252 **Prothera Biologics** The name of the patentee has been altered to **ProThera Biologics, Inc.**

2009

2009274701 **Korea Research Institute of Chemical Technology; Hyundai Heavy Industries Co., Ltd.** The name of the patentee has been altered to **Korea Research Institute of Chemical Technology; Korea Shipbuilding & Offshore Engineering Co., Ltd.**

2009277275 **Korea Research Institute of Chemical Technology; Hyundai Heavy Industries Co., Ltd.** The name of the patentee has been

Amendments

altered to **Korea Shipbuilding & Offshore Engineering Co., Ltd.;**
Korea Research Institute of Chemical Technology

2009325375 Korea Research Institute of Chemical Technology; Hyundai Heavy Industries Co., Ltd. The name of the patentee has been altered to **Korea Shipbuilding & Offshore Engineering Co., Ltd.;**
Korea Research Institute of Chemical Technology

2015

2015321414 BPAY Group Limited The name of the applicant has been altered to **BPAY Group Pty Ltd**

2016

2016280615 Presbyopia Therapies, LLC The name of the applicant has been altered to **Presbyopia Therapies, Inc.**

2016280616 Presbyopia Therapies, LLC The name of the applicant has been altered to **Presbyopia Therapies, Inc.**

2018

2018431731 William C. Youngblood The name of the applicant has been altered to **Mylan Inc.**

2019

2019224114 Crestovo Holdings LLC The name of the applicant has been altered to **Finch Therapeutics Holdings LLC**

2019240681 PneumatiCoat Technologies LLC The name of the applicant has been altered to **Forge Nano, Inc.**

2019297268 Handels- Og Produktionsselskabet Ven-Po A/S The name of the applicant has been altered to **Handels- og Produktionsselskabet Ven-Po A/S**

2019312330 China University of Mining and Technology The name of the applicant has been altered to **CHINA UNIVERSITY OF MINING AND TECHNOLOGY; LIUPANSHUI NORMAL UNIVERSITY**

2019439997 China University of Mining and Technology The name of the applicant has been altered to **CHINA UNIVERSITY OF MINING AND TECHNOLOGY; LIUPANSHUI NORMAL UNIVERSITY**

2020

2020104015 Guizhou PaiTeng Technology Services Ltd. The name of the applicant has been altered to **Guizhou Institute of Animal Husbandry and Veterinary Medicine**

2020200187 Ontera, Inc. The name of the applicant has been altered to **Ontera Inc.**

2020264397 Black Mamba Rod Lift Company The name of the applicant has been altered to **Black Mamba Rod Lift, LLC**

2020273364 Tiandi Science and Technology Co., Ltd; China Coal Mine Engineering Co., Ltd. The name of the applicant has been altered to **Tiandi Science and Technology Co., Ltd; China Coal Technology Engineering Group; China Coal Mine Engineering Co., Ltd.**

Amendments

2020294195 Intel IP Corporation The name of the applicant has been altered to **Intel Corporation**

2020904578 Howes, Mark Thomas Christopher Hunter The name of the applicant has been altered to **Howes, M.J.**

2020904646 AIK IP Pty Ltd The name of the applicant has been altered to **AK IP Pty Ltd**

Applications Open to Public Inspection

Name Index

- . (*) Title not in Roman characters
- . (**) Title not given

(71) A. Raymond Et Cie
 (11) AU-A-2020203804
 (21) 2020203804 (22) 09.06.2020
 (54) LOCKING TOP FOR VESSEL HAVING A NECK
 (51) Int. Cl.
 A61J 1/14 (2006.01)
 B65D 51/00 (2006.01)
 (31) 1907693 (32) 09.07.19 (33) FR
 (43) 28.01.2021
 (72) Rey, Gaëtan; Clavel, Maxime
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) A. Raymond Et Cie
 (11) AU-A-2020203808
 (21) 2020203808 (22) 09.06.2020
 (54) BREAKABLE LOCKING CAP FOR A CONTAINER COMPRISING A NECK
 (51) Int. Cl.
 A61J 1/14 (2006.01)
 B65D 41/48 (2006.01)
 (31) 1907696 (32) 09.07.19 (33) FR
 (43) 28.01.2021
 (72) Rey, Gaëtan; Clavel, Maxime
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Accenture Global Solutions Limited
 (11) AU-A-2020294158
 (21) 2020294158 (22) 21.12.2020
 (54) REPORT GENERATION
 (51) Int. Cl.
 G06Q 10/10 (2012.01)
 (43) 28.01.2021
 (62) 2019219754
 (72) Li, Chung-Sheng; DASAPPA, Guruprasad; JADHAV, Suraj Govind; SHROFF, Manoj
 (74) Murray Trento & Associates Pty Ltd

(71) Agriculture Victoria Services Pty Ltd
 (11) AU-A-2020289812
 (21) 2020289812 (22) 17.12.2020
 (54) Endophytes and related methods (4)
 (51) Int. Cl.
 A01H 15/00 (2006.01)
 A01H 17/00 (2006.01)
 C07H 21/04 (2006.01)
 C12N 1/00 (2006.01)
 C12N 1/14 (2006.01)
 C12Q 1/25 (2006.01)
 C12Q 1/68 (2006.01)
 (43) 28.01.2021
 (62) 2018201440
 (72) Spangenberg, German Carlos; Guthridge, Kathryn Michaela; Forster, John White; Sawbridge, Timothy Ivor; Ludlow, Emma Jane Isobel; Kaur, Jat-

inder; Rochfort, Simone Jane; Rabbinovich, Maia Andrea; Ekanayake, Piyumi
 (74) Jones Tulloch

(71) AIMM Therapeutics B.V.
 (11) AU-A-2020294288
 (21) 2020294288 (22) 24.12.2020
 (54) AML antigens and uses thereof
 (51) Int. Cl.
 C07K 14/435 (2006.01)
 (43) 28.01.2021
 (62) 2016281424
 (72) Spits, Hergen; Gillissen, Marijn Aletta; Kedde, Martijn; Hazenberg, Mette Deborah; Van Helden, Paula Maria Wilhelmina; Pos, Wouter
 (74) FPA Patent Attorneys Pty Ltd

(71) Allergan, Inc.
 (11) AU-A-2020294291
 (21) 2020294291 (22) 24.12.2020
 (54) Phenyl urea analogs as formyl peptide receptor 1 (FPR1) selective agonists
 (51) Int. Cl.
 C07K 5/062 (2006.01)
 A61K 31/17 (2006.01)
 C07C 275/28 (2006.01)
 C07C 275/30 (2006.01)
 A61P 11/00 (2006.01)
 A61P 29/00 (2006.01)
 (43) 28.01.2021
 (62) 2016302146
 (72) Duong, Tien T.; Beard, Richard L.; Garst, Michael E.
 (74) Davies Collison Cave Pty Ltd

(71) Amarin Pharmaceuticals Ireland Limited
 (11) AU-A-2020294210
 (21) 2020294210 (22) 22.12.2020
 (54) Methods of reducing the risk of a cardiovascular event in a subject on statin therapy
 (51) Int. Cl.
 A61K 31/202 (2006.01)
 (43) 28.01.2021
 (62) 2018204499
 (72) Soni, Paresh
 (74) Spruson & Ferguson

(71) Amgen Inc.
 (11) AU-A-2020294155
 (21) 2020294155 (22) 21.12.2020
 (54) Methods For Harvesting Mammalian Cell Cultures
 (51) Int. Cl.
 C12P 21/00 (2006.01)
 C12M 1/00 (2006.01)
 C12N 5/00 (2006.01)

(43) 28.01.2021
 (62) 2019203538
 (72) GOUDAR, Chetan; COLE, Sean; SABO, Nicole; LIN, Henry; LULL, Jonathan; THARMALINGAM, Tharmala
 (74) WRAYS PTY LTD

(71) Apple Inc.
 (11) AU-A-2020239693
 (21) 2020239693 (22) 07.07.2020
 (54) Systems, methods, and user interfaces for headphone fit adjustment and audio output control
 (51) Int. Cl.
 H04R 1/08 (2006.01)
 (31) 62/871,634 (32) 08.07.19 (33) US
 62/897,819 09.09.19 US
 62/907,525 27.09.19 US
 63/033,058 01.06.20 US
 16/920,303 02.07.20 US
 (43) 28.01.2021
 (72) HATFIELD, Dustin A.; GRAHAM, David C.; GREENWOOD, Andrew E.; HULBERT, Thomas S.; VERWEIJ, Hugo D.; CARRIGAN, Taylor G.; ROPER, Gemma A.; BARK, Karlin Y.; BLOOM, David H.; JACKSON, Benjamin G.; BAUGH, Brenton A.; AOYAGI, Shota; TAYLOR, Steven J.; PERSSON, Per Håkan Linus; WHANG, Eugene A.
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2020289876
 (21) 2020289876 (22) 18.12.2020
 (54) Tactile feedback for user interfaces
 (51) Int. Cl.
 G06F 3/01 (2006.01)
 G06F 3/041 (2006.01)
 G06F 3/0481 (2013.01)
 G06F 3/0488 (2013.01)
 (43) 28.01.2021
 (62) 2018271107
 (72) MOUSSETTE, Camille; MOUILLE-SEAU, Jean-Pierre M.; KARUNAMUNI, Chanaka G.; CORDIER, Madeleine S.
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2020294208
 (21) 2020294208 (22) 22.12.2020
 (54) Avatar creation and editing
 (51) Int. Cl.
 G06T 13/40 (2011.01)
 G06T 7/10 (2017.01)
 G06T 7/20 (2006.01)
 G06T 7/70 (2017.01)
 G06T 13/80 (2011.01)
 G06T 17/20 (2006.01)
 G06T 19/20 (2011.01)

Applications Open to Public Inspection - Name Index cont'd

(43) 28.01.2021
 (62) 2020213402
 (72) BARLIER, Guillaume; BAUER, Sebastian; CRANFILL, Elizabeth Caroline; GUZMAN, Aurelio; JON, Tiffany S.; MANZARI, Behkish J.; RYAN, Nicole R.; SCAPEL, Nicholas; TRIVERIO, Marco; VAN OS, Marcel; WILSON, Christopher; YERKES, Giancarlo
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2020294270
 (21) 2020294270 (22) 23.12.2020
 (54) Devices, methods, and graphical user interfaces for generating tactile outputs
 (51) Int. Cl.
 G06F 3/048 (2006.01)
 (43) 28.01.2021
 (62) 2019202429
 (72) ROBERT, Julien Y.; FOX, Tyler M.; MOUSSETTE, Camille; MILADINOV, Viktor; MOUILLESEAU, Jean-Pierre M.; CORDIER, Madeleine S.
 (74) FPA Patent Attorneys Pty Ltd

(71) APPLE INC.
 (11) AU-A-2020294187
 (21) 2020294187 (22) 22.12.2020
 (54) Low-latency intelligent automated assistant
 (51) Int. Cl.
 G10L 15/22 (2006.01)
 G10L 25/78 (2013.01)
 (43) 28.01.2021
 (62) 2018266284
 (72) ACERO, Alejandro; ZHANG, Hepeng
 (74) FPA Patent Attorneys Pty Ltd

(71) Auris Health, Inc.
 (11) AU-A-2020294275
 (21) 2020294275 (22) 23.12.2020
 (54) Instrument device manipulator for a surgical robotics system
 (51) Int. Cl.
 A61B 1/00 (2006.01)
 A61B 1/005 (2006.01)
 A61B 1/018 (2006.01)
 A61B 1/05 (2006.01)
 A61B 17/56 (2006.01)
 (43) 28.01.2021
 (62) 2016321332
 (72) Schuh, Travis; Williams, Matthew Reagan; Bogusky, Joseph Daniel; Mintz, David S.; Yu, Alan; Kintz, Gregory; Dan, Yoichiro
 (74) Davies Collison Cave Pty Ltd

(71) Becton, Dickinson and Company
 (11) AU-A-2020289799
 (21) 2020289799 (22) 17.12.2020
 (54) Syringe with disinfecting tip feature
 (51) Int. Cl.
 A61M 39/14 (2006.01)
 A61M 39/16 (2006.01)

(43) 28.01.2021
 (62) 2019204270
 (72) CHARLES, Nichola; ZERDA, Adam
 (74) FB Rice Pty Ltd

Berkowitz, I.J. see Combrink, J.R.
 (21) 2020204321

Berkowitz, J.N. see Combrink, J.R.
 (21) 2020204321

(71) BGC Partners, Inc
 (11) AU-A-2020294179
 (21) 2020294179 (22) 22.12.2020
 (54) SYSTEM AND METHOD FOR MATCHING TRADING ORDERS BASED ON PRIORITY
 (51) Int. Cl.
 G06Q 40/00 (2006.01)
 (43) 28.01.2021
 (62) 2019271874
 (72) Lutnick, Howard W.; Noviello, Joseph C.; Claus, Matthew W.; Foley, Kevin, M.
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) BioConsortia Inc
 (11) AU-A-2020286338
 (21) 2020286338 (22) 12.12.2020
 (54) Agriculturally beneficial microbes, microbial compositions, and consortia
 (51) Int. Cl.
 A01N 63/00 (2006.01)
 C05F 11/08 (2006.01)
 (43) 28.01.2021
 (62) 2016219488
 (72) Wigley, Peter; Turner, Susan; George, Caroline; Williams, Thomas; Roberts, Kelly; Hymus, Graham; Lau, Kevin
 (74) Ribeiro IP Limited

(71) Boston Scientific Neuromodulation Corporation
 (11) AU-A-2020294170
 (21) 2020294170 (22) 21.12.2020
 (54) External charger for an implantable medical device having a thermal defuser
 (51) Int. Cl.
 A61N 1/378 (2006.01)
 A61N 1/372 (2006.01)
 H01L 23/373 (2006.01)
 (43) 28.01.2021
 (62) 2018275420
 (72) STINAUER, Robert J.; CHEN, Joey
 (74) Spruson & Ferguson

(71) Breville Pty Limited
 (11) AU-A-2020294225
 (21) 2020294225 (22) 23.12.2020
 (54) Apparatus and method for an improved coffee maker
 (51) Int. Cl.
 A47J 31/44 (2006.01)
 A47J 31/24 (2006.01)

(43) 28.01.2021
 (62) 2018232987
 (72) Grassia, Robert; Preston, Adam; Corkin, Daniel Robert; Upston, Gregory
 (74) Spruson & Ferguson

(71) Cardioguidance Biomedical, LLC
 (11) AU-A-2020289888
 (21) 2020289888 (22) 21.12.2020
 (54) Guidewire navigation system with direct visualization feature
 (51) Int. Cl.
 A61M 25/092 (2006.01)
 A61M 25/095 (2006.01)
 A61M 25/098 (2006.01)
 A61M 25/14 (2006.01)
 (43) 28.01.2021
 (62) 2016297643
 (72) Miller, Scott
 (74) Spruson & Ferguson

Carnegie Mellon University see University of Pittsburgh - Of the Commonwealth System of Higher Education
 (21) 2020294197

(71) Cartiheal (2009) Ltd
 (11) AU-A-2020289800
 (21) 2020289800 (22) 17.12.2020
 (54) Optimized solid substrates, tools for use with same and uses thereof for promoting cell and tissue growth
 (51) Int. Cl.
 A61B 17/16 (2006.01)
 A61B 17/17 (2006.01)
 A61B 17/92 (2006.01)
 (43) 28.01.2021
 (62) 2016259201
 (72) Altschuler, Nir; Goren, Amir
 (74) Davies Collison Cave Pty Ltd

(71) CATERPILLAR INC.
 (11) AU-A-2020204238
 (21) 2020204238 (22) 25.06.2020
 (54) ESTIMATING YAW OF ROTATING BODY USING VELOCITY MEASUREMENTS
 (51) Int. Cl.
 E02F 9/20 (2006.01)
 E02F 3/43 (2006.01)
 G01C 21/04 (2006.01)
 G01S 19/47 (2010.01)
 (31) 16/510,333 (32) 12.07.19 (33) US
 (43) 28.01.2021
 (72) GRAVES, Nolan A.
 (74) FPA Patent Attorneys Pty Ltd

(71) Caterpillar Underground Mining Pty Ltd
 (11) AU-A-2019205002
 (21) 2019205002 (22) 11.07.2019
 (54) System and method for operating underground machines
 (51) Int. Cl.
 E02F 3/43 (2006.01)

Applications Open to Public Inspection - Name Index cont'd

(43) 28.01.2021
 (72) Kumar P. H., Pradeep; Broughton, Peter John; Bynon, Joshua Gerrit
 (74) FPA Patent Attorneys Pty Ltd

(71) City of Hope
 (11) AU-A-2020289727
 (21) 2020289727 (22) 14.12.2020
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 B04C 5/24 (2006.01)
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A61K 9/00 (2006.01)
A61B 5/01 (2006.01)
A61B 5/021 (2006.01)
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G02B 1/08 (2006.01)
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A61P 35/00 (2006.01)
C07C 57/04 (2006.01)
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F16K 5/08 (2006.01)
F16K 5/20 (2006.01)
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A61K 35/17 (2015.01)
A61K 31/7105 (2006.01)
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A61P 35/00 (2006.01)
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 (21) 2020289874 (22) 18.12.2020
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G10L 19/00 (2006.01)
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 (21) 2020294159 (22) 21.12.2020
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 (74) FPA Patent Attorneys Pty Ltd

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A47J 37/00 (2006.01)
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A47J 36/24 (2006.01)
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F24C 7/10 (2006.01)
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 Measurement Variable of a System
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G01K 7/42 (2006.01)

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F04B 15/02 (2006.01)

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 Hendrikus; KEIJERS, Ronald Gode-
 fridus Anna
 (74) Adams Pluck

(71) Wilson Wolf Manufacturing Corporation
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 (21) 2020294286 (22) 23.12.2020
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 fying animal cells
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C12N 5/02 (2006.01)
C12N 5/07 (2010.01)
C12N 5/10 (2006.01)
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2019204907	Seawright, W.	2020289850	MedImmune Limited
2019204935	Third Zeton IP Pty Ltd	2020289851	University of Iowa Research Foundation
2019205002	Caterpillar Underground Mining Pty Ltd	2020289858	Horizon Orphan LLC
2019205003	MAX & WILS PTY. LTD.	2020289860	FISHER & PAYKEL HEALTHCARE LIMITED
2019205011	P&T Hauling and Rigging Pty Ltd	2020289861	Extrude To Fill, Inc.
2019205983	TAJ Australia Pty Ltd	2020289863	The Nielsen Company (US), LLC
2019326787	Gurunavi, Inc.	2020289864	Komatsu Ltd.
2019427992	Toshiba Mitsubishi-Electric Industrial Systems Corporation	2020289865	CODEXIS, INC.
2019438435	Crop Research Institute, Shandong Academy of Agricultural Sciences	2020289866	Vorwerk & Co Interholding GmbH
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2020202803	LS Cable & System Ltd.	2020289875	Superior Pak Holdings Pty Ltd
2020203019	Eagle Technology, LLC	2020289876	Apple Inc.
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2020203804	A. Raymond Et Cie	2020289889	GI Scientific, LLC
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2020204636	JELD-WEN, Inc.	2020294194	Vaki Fiskeldiskerfi Hf.
2020204638	D&T&G Pty Ltd	2020294196	Recurium IP Holdings, LLC
2020239693	Apple Inc.	2020294197	University of Pittsburgh - Of the Commonwealth System of Higher Education; Carnegie Mellon University
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2020264387	Coupage Corp.	2020294200	Incept, LLC
2020264402	Coupage Corp.	2020294201	Genzyme Corporation
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2020289809	National University of Ireland, Galway	2020294225	Breville Pty Limited
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2020289811	Coulter Ventures LLC	2020294228	Oxford Nanopore Technologies Limited
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rogeli"
2020294256 Patuga LLC
2020294264 Precision BioSciences, Inc.
2020294265 Qualcomm Incorporated
2020294266 FMC CORPORATION
2020294267 DHARMATILLEKE, M.
2020294268 Murray and Poole Enterprises Limited
2020294269 Mallinckrodt Hospital Products IP Limited
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2020294284 SharkNinja Operating LLC
2020294285 Kop-Coat, Inc.
2020294286 Wilson Wolf Manufacturing Corporation
2020294287 Memorial Sloan-Kettering Cancer Center
2020294288 AIMM Therapeutics B.V.
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A61K 8/64 (2006.01)
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A01C 1/06 (2006.01)
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A01N 43/08 (2006.01)
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 (74) ARSHAD MOHAMMED

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 (21) 2020103509

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(11) AU-A-2020103398

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(54) An Enhanced Process of Split Payment Transaction and Management (SPTM) System

(51) Int. Cl.

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G06Q 20/36 (2012.01)

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(74) L. Lakshmi

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(21) 2020103513

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(11) AU-A-2020103374

(21) 2020103374 (22) 11.11.2020

(54) MOBILE TRAFFIC NOISE MEASUREMENT AND PREDICTION METHOD USING MACHINE LEARNING ALGORITHMS

(51) Int. Cl.

H04W 4/38 (2018.01)

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(54) IPDN- Read Handwriting: Intelligent Process to Read Handwriting Using Deep Learning and Neural Networks

(51) Int. Cl.

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(74) Rajesh Nandkumar Phursule

(71) Nanjing Agricultural University

(11) AU-A-2020103448

(21) 2020103448 (22) 16.11.2020

(54) Method for Quickly Measuring Early Litter Fall and/or Defoliation Rate of Fruit Tree

(51) Int. Cl.

A01G 7/00 (2006.01)

(45) 28.01.2021

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(74) P L BERRY & ASSOCIATES

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(54) A fermented plant feed additive for weaned piglet

(51) Int. Cl.

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A23K 10/12 (2016.01)

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(11) AU-A-2020103423

(21) 2020103423 (22) 13.11.2020

(54) Identification Method of Land Suitable for Afforestation in Karst Area Based on Neural Network System

(51) Int. Cl.

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G06N 3/02 (2006.01)

G06N 3/06 (2006.01)

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(71) Nanjing Forestry University

(11) AU-A-2020103454

(21) 2020103454 (22) 16.11.2020

(54) A Method for Expression of High Enzyme Active Amylase

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C12N 9/26 (2006.01)

C12N 15/56 (2006.01)

C12N 15/80 (2006.01)

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(74) Alder IP Pty Ltd

(71) Nanjing Forestry University

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(54) Telescopic three-dimensional planting device

(51) Int. Cl.

A01G 9/02 (2018.01)

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(11) AU-A-2020103478

(21) 2020103478 (22) 17.11.2020

(54) A Tool and Method for Weaving a Reticular Garden Plant Vase

(51) Int. Cl.

D03D 41/00 (2006.01)

A01G 9/02 (2018.01)

D03D 15/593 (2021.01)

D03D 23/00 (2006.01)

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(71) NEC Corporation

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(21) 2020104215 (22) 30.09.2020

(54) DEMAND AND SUPPLY ADJUSTMENT SYSTEM, CONTROL APPARATUS, CONTROL METHOD, AND PROGRAM

(51) Int. Cl.

H02J 3/46 (2006.01)

H02J 3/32 (2006.01)

H02J 3/38 (2006.01)

H02J 13/00 (2006.01)

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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(21) 2020103372 (22) 11.11.2020

(54) A NOVEL DESIGN OF A HYBRID SOLAR PV-WIND AND FUEL CELL-BASED ENERGY CONVERSION SYSTEM

(51) Int. Cl.

H02J 3/38 (2006.01)

(45) 28.01.2021

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(74) Parag Nijhawan

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(11) AU-A-2020103438

(21) 2020103438 (22) 13.11.2020

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(51) Int. Cl.

A41D 13/11 (2006.01)

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A61B 5/01 (2006.01)
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(74) Parag Nijhawan
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G01N 33/50 (2006.01)
G01N 21/00 (2006.01)
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- (71)** Ningxia University
(11) AU-A-2020103516
(21) 2020103516 **(22)** 18.11.2020
(54) ANTISTATIC, ANTIBACTERIAL, AND MULTIFUNCTIONAL POLYMER COMPOSITE MATERIAL, AND PREPARATION METHOD THEREOF
(51) Int. Cl.
C08L 23/12 (2006.01)
C08K 3/08 (2006.01)
C08K 9/06 (2006.01)
(31) 202010191010.3 **(32)** 18.03.20 **(33)** CN
(45) 28.01.2021
(72) Luo, Faliang; Ma, Dequan
(74) James & Wells Intellectual Property
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(11) AU-A-2020102189
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(54) Luksea is a safety alert wearable that has been designed to keep you safe. Designed for use in the ocean and on your adventures to communicate your exact location and medical history for identification via a GPS TRACKER with a push of a button. Set your wearable up to connect to a Surf Lifesaving Tower, Emergency services, family or friends. A must-have for swimmers, sailors, surfers, extreme water sports participants, kayakers or anyone wanting to enjoy water activities and feel reassured that they are not alone. @luk-seaco.
(51) Int. Cl.
G06F 1/16 (2006.01)
G01S 5/00 (2006.01)
G01S 19/17 (2010.01)
G04G 9/12 (2006.01)
G08C 17/02 (2006.01)
H04M 1/725 (2006.01)
H04W 4/02 (2018.01)
(45) 28.01.2021
(72) McMahon, Nicole Katherine
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(11) AU-A-2020103428
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(54) Method for treating industrial wastewater containing high pollutant concentration by shewanella-driven electro-fenton reaction
(51) Int. Cl.
C02F 1/46 (2006.01)
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(11) AU-A-2020103370
(21) 2020103370 **(22)** 10.11.2020
(54) Preparation of non-allergic urushiol by a food chemical method and its products
(51) Int. Cl.
C07C 221/00 (2006.01)
C07C 225/16 (2006.01)
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C07D 207/08 (2006.01)
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(72) Zhang, Cunli; Fan, Chen; Li, Lechao
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- (71)** North West Agriculture and Forestry University
(11) AU-A-2020103424
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(54) Ceramic irrigation film preparation mold and gradient ceramic irrigation film preparation process
(51) Int. Cl.
B32B 18/00 (2006.01)
A01G 25/00 (2006.01)
B28B 3/00 (2006.01)
B28B 7/18 (2006.01)
B32B 7/02 (2019.01)
C04B 35/14 (2006.01)
C04B 35/622 (2006.01)
C04B 35/636 (2006.01)
C04B 38/00 (2006.01)
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(74) Alder IP Pty Ltd
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- (71)** Northwest Institute of Plateau Biology, Chinese Academy of Sciences
(11) AU-A-2020102913
(21) 2020102913 **(22)** 21.10.2020
(54) RAINY WATER COLLECTION LAWN SPRINKLER
(51) Int. Cl.
E03B 3/03 (2006.01)
A01G 25/02 (2006.01)
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(54) A Diamond tool saddle adaptor for wedge blocks and tapered plug tooling designs
(51) Int. Cl.
B24D 7/06 (2006.01)
B24B 7/18 (2006.01)
(45) 28.01.2021
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(54) Snore Cap - An Anti Snoring oral device
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A61F 5/56 (2006.01)
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(74) Mina Orami
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(54) SYSTEM FOR MONITORING WATER QUALITY
(51) Int. Cl.
G01N 33/08 (2006.01)
E03B 7/07 (2006.01)
G01N 1/20 (2006.01)
(45) 28.01.2021
(62) PCT/AU2020/050073
(72) MCKELVEY, Len
(74) Michael Buck IP
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(21) 2020103439 **(22)** 14.11.2020
(54) DEVELOPMENT OF ADVANCED MULTI AGENT SYSTEM WITH

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(51) Int. Cl.
G05D 1/02 (2020.01)
B25J 5/00 (2006.01)
B25J 9/16 (2006.01)
B25J 13/08 (2006.01)
B25J 19/02 (2006.01)
G05B 19/18 (2006.01)
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(74) ARUN SUNDARAM
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- (71)** Potato Research Institute, Gansu Academy of Agricultural Sciences
(11) AU-A-2020103236
(21) 2020103236 **(22)** 04.11.2020
(54) A method for open and rapid propagation of potato tissue culture seedlings
(51) Int. Cl.
A01H 4/00 (2006.01)
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(72) Zhang, Wu; Lv, Heping; Wu, Yanbin; Liang, Hongjie; Gao, Yanping; Wang, Min
(74) Potato Research Institute, Gansu Academy of Agricultural Sciences
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(21) 2020103420 **(22)** 13.11.2020
(54) Poly-Dimensional Web Spaces
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G06F 16/958 (2019.01)
G06F 3/0481 (2013.01)
G06Q 30/00 (2012.01)
(45) 28.01.2021
(72) Jenkins, Rodney; Jenkins, Richard; Jenkins, Rachael
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(11) AU-A-2020103415
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(54) ENERGY-STORING TEMPERATURE CONTROL MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF
(51) Int. Cl.
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- (71)** Qilu University of Technology
(11) AU-A-2020103503
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(54) BORIC ACID ADSORBENT MATERIAL AND PREPARATION METHOD
(51) Int. Cl.
B01J 20/24 (2006.01)
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- (45)** 28.01.2021
(72) XIA, Nannan; KONG, Fangong; JING, Ren; ZHANG, Huiyi; HU, Zihao
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- (71)** Qingdao Agricultural University
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(54) Cell hypoxic culture apparatus
(51) Int. Cl.
C12M 1/10 (2006.01)
C12M 3/00 (2006.01)
(31) 2020200702630 **(32)** 13.01.20 **(33)** CN
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(72) HUAN, Yanjun
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- (71)** Qingdao Agricultural University
(11) AU-A-2020103432
(21) 2020103432 **(22)** 13.11.2020
(54) METHOD FOR ADSORBING OXYTETRACYCLINE WITH CUFeO₂/BC COMPOSITE MAGNETIC MATERIAL
(51) Int. Cl.
B01J 20/20 (2006.01)
B01J 20/06 (2006.01)
B01J 20/28 (2006.01)
B01J 20/30 (2006.01)
C07C 231/24 (2006.01)
C07C 237/26 (2006.01)
(31) 202010074947.2 **(32)** 22.01.20 **(33)** CN
(45) 28.01.2021
(72) LIU, GUOCHENG; XIN, YANJUN; YAN, QINGHUA; MA, DONG; CHEN, QINGHUA
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(11) AU-A-2020103433
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(54) METHOD FOR PREPARING MAGNETIC BIOCHAR FROM KITCHEN GARBAGE
(51) Int. Cl.
C09K 17/50 (2006.01)
B09B 3/00 (2006.01)
(31) 202010074939.8 **(32)** 22.01.20 **(33)** CN
(45) 28.01.2021
(72) Liu, Guocheng; Xin, Yanjun; Xin, Shuaishuai; Chen, Qinghua; Ma, Dong
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(21) 2020103477

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(21) 2020103513

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2018102206	Beijing Didi Infinity Technology and Development Co., Ltd.	2020103401	Beijing University of Civil Engineering and Architecture; Beijing Building Materials Engineering Co. Ltd; Beijing Urban Construction Science Technology Promotion Association
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2019101773	TTi (Macao Commercial Offshore) Limited	2020103404	Macau University of Science and Technology
2019101778	South China Agricultural University	2020103406	Harbin Institute of Technology
2020102189	NKTM ENTERPRISE PTY LTD	2020103407	Army Academy of Armored Forces
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2020103236	Potato Research Institute, Gansu Academy of Agricultural Sciences	2020103418	Tianjin University of Science & Technology
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2020103372	Nijhawan, P.; Oberoi, A.S.; Singla, M.K.	2020103424	North West Agriculture and Forestry University
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2020103455	Zhejiang University	2020103512	Zhejiang Xinhua Bookstore Group Information Technology Co., Ltd.
2020103456	VBreathe Pty Ltd	2020103513	HUMCEN CO; SATHIYAVEL, C.; KUMAR, M.R.; PRAKASH, M.; GAJENDIRAN, M.; PALANI, K.; MUTHIAH, B.; KANNAN, V.; SENTHIL KUMAR, M.P.
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2020103494	China University of Mining and Technology		
2020103495	Guangdong Ocean University		
2020103496	West China Hospital of Sichuan university		
2020103498	Henan University of Chinese Medicine		
2020103499	Shanghai University of Medicine & Health Sciences; University of Shanghai for Science and Technology		
2020103500	Sichuan Agricultural University		
2020103501	The Second Affiliated Hospital of Shandong First Medical University		

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2020103458	2020103474 2020103526	2020103376		2020103417 2020103492	2020103456
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<u>A01C 23 /-</u>	<u>A01K 99 /-</u>	<u>A23K 50 /-</u>	<u>A61B 8 /-</u>	2020103404	<u>B03B 9 /-</u>
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<u>A01D 43 /-</u>	<u>A01M 1 /-</u>	<u>A23L 13 /-</u>	<u>A61F 13 /-</u>	<u>A61K 8 /-</u>	<u>B08B 1 /-</u>
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<u>A01G 9 /-</u>	<u>A01N 35 /-</u>	<u>A47B 19 /-</u>	2020103498	<u>A61P 11 /-</u>	<u>B22F 1 /-</u>
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<u>B28B 7 /-</u>	<u>C02F 11 /-</u>	<u>C07K 14 /-</u>	2020103404	<u>D03D 37 /-</u>	<u>F27B 14 /-</u>
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2020102727	<u>C04B 28 /-</u>	2020103516	2020103435	2020103451	2020103482
<u>B60N 3 /-</u>	2020103401	<u>C08L 23 /-</u>	<u>C12P 41 /-</u>	<u>E02D 5 /-</u>	<u>G01B 9 /-</u>
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2020103488	<u>C04B 38 /-</u>	2020103418	2019101778	2020102913	<u>G01C 21 /-</u>
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			2020103511		
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		2020103416	2020103489		
<u>B65D 81 /-</u>	<u>C05F 5 /-</u>	2020103433	2020103508	<u>E21F 17 /-</u>	<u>G01F 23 /-</u>
2020103473	2020103489	<u>C09K 21 /-</u>	<u>C22B 26 /-</u>	2020103412	2020103449
	2020103530	2020103378	2020103436	<u>F01N 13 /-</u>	<u>G01K 11 /-</u>
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2020103473	2020103370	2020103415	2020103462	<u>F01N 3 /-</u>	<u>G01K 7 /-</u>
<u>B66F 9 /-</u>	<u>C07C 225 /-</u>	<u>C09K 8 /-</u>	<u>C22F 1 /-</u>	2020103469	2020103406
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<u>B67D 3 /-</u>	<u>C07C 231 /-</u>	<u>C11B 1 /-</u>	<u>C25B 1 /-</u>	2020103486	2020103379
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	2020103536	<u>G06N 20 /-</u>	<u>G08C 17 /-</u>	2019101763
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2020103392	2020102189	2020103527	<u>G09B 7 /-</u>	2020102189
2020103446	<u>G05B 19 /-</u>	2020103529	2020103394	<u>H04R 5 /-</u>
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<u>G01N 25 /-</u>	2020103439	2020102678	2020103369	<u>H04W 16 /-</u>
2020103406	<u>G05D 1 /-</u>	2020103373	<u>G11C 29 /-</u>	2020103384
<u>G01N 27 /-</u>	2020103439	2020103423	2020103371	<u>H04W 28 /-</u>
2020103437	2020103519	2020103447	<u>G16B 30 /-</u>	2020103384
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<u>G01N 33 /-</u>	<u>G06F 11 /-</u>	2020103521	2020103411	2020103209
2020103385	2020103371	2020103522	<u>G16H 80 /-</u>	2020103373
2020103391	2020103521	2020103525	2020103509	2020103374
2020103392	<u>G06F 15 /-</u>	2020103529	<u>H01L 31 /-</u>	<u>H04W 84 /-</u>
2020103446	2020103385	<u>G06Q 10 /-</u>	2020103402	2020103373
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<u>G01R 33 /-</u>	<u>G06F 17 /-</u>	2020103444	2020103463	
2020103499	2020103480	2020103500	<u>H02J 13 /-</u>	
<u>G01S 17 /-</u>	2020103528	2020103512	2020104215	
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	2020103518	2020103398	2020103444	
<u>G01S 19 /-</u>	2020103518	2020103518	<u>H02J 3 /-</u>	
2020102189	<u>G06F 3 /-</u>	<u>G06Q 30 /-</u>	2020102678	
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<u>G01S 5 /-</u>	2020103425	<u>G06Q 40 /-</u>	2020104215	
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	2020103518	<u>G06Q 50 /-</u>	2020103050	
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<u>G02B 21 /-</u>	2020103407	2020103447	2020103444	
2020103535	2020103425	2020103474	<u>H02J 3 /-</u>	
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		2020103496		

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 F16D 65/06 (2006.01)
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B29C 70/46 (2006.01)
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B29K 105/08 (2006.01)
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A61K 36/06 (2006.01)
A61P 1/04 (2006.01)
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A61P 21/00 (2006.01)
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A61K 31/4422 (2006.01)
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G16H 20/10 (2018.01)
A61K 31/403 (2006.01)
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A61K 31/513 (2006.01)
A61K 31/522 (2006.01)
A61P 3/10 (2006.01)
G16H 10/20 (2018.01)
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A61B 5/31 (2021.01)
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A61P 25/14 (2006.01)
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A61B 90/00 (2016.01)
A61F 2/95 (2013.01)
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C07F 9/02 (2006.01)
A61K 31/517 (2006.01)
A61K 31/675 (2006.01)
A61K 31/706 (2006.01)
A61K 31/7064 (2006.01)
A61K 31/7076 (2006.01)
C07F 9/6561 (2006.01)
C07H 19/14 (2006.01)
C07H 19/16 (2006.01)
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H01M 4/02 (2006.01)
H01M 4/131 (2010.01)
H01M 4/1391 (2010.01)
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H01M 10/0525 (2010.01)
C01G 39/00 (2006.01)
C01G 41/00 (2006.01)
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G07C 5/08 (2006.01)
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B65D 47/20 (2006.01)
B05B 11/00 (2006.01)
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C01B 3/38 (2006.01)
C01C 1/04 (2006.01)
F01K 13/02 (2006.01)
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 B62D 33/02 (2006.01)
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 (51) Int. Cl.
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 B01J 35/10 (2006.01)
 C10G 11/05 (2006.01)
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C10G 11/05 (2006.01)
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C07K 16/28 (2006.01)
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F17C 13/04 (2006.01)
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A61K 8/11 (2006.01)
A23K 20/158 (2016.01)
A23L 33/115 (2016.01)
A23L 33/12 (2016.01)
A23P 10/30 (2016.01)
A23P 10/35 (2016.01)
A61K 9/14 (2006.01)
A61K 9/50 (2006.01)
B01J 13/02 (2006.01)
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C11C 1/02 (2006.01)
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A61K 8/49 (2006.01)
A61Q 11/00 (2006.01)
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E04C 2/04 (2006.01)
E04C 2/26 (2006.01)
G08C 17/02 (2006.01)
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C07K 16/10 (2006.01)
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A61K 31/4439 (2006.01)
A61K 31/444 (2006.01)
A61K 31/497 (2006.01)
C07D 213/74 (2006.01)
C07D 241/20 (2006.01)
C07D 401/06 (2006.01)
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A61K 31/4427 (2006.01)
A61K 9/00 (2006.01)
A61K 9/08 (2006.01)
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C01B 32/182 (2017.01)
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B65D 71/36 (2006.01)
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B07C 5/04 (2006.01)
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C07D 213/56 (2006.01)
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H01S 3/10 (2006.01)
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B33Y 70/00 (2020.01)
B33Y 80/00 (2015.01)
C08H 1/06 (2006.01)
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A01H 3/00 (2006.01)
A01N 63/00 (2020.01)
A01P 21/00 (2006.01)
C05C 1/00 (2006.01)
C05C 11/00 (2006.01)
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B25C 1/04 (2006.01)
B25C 1/06 (2006.01)
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and multi-chamber probiotic delivery
products therefor
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A61K 9/02 (2006.01)
A61K 35/74 (2015.01)
A61K 35/741 (2015.01)
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H04W 12/06 (2009.01)
H04W 12/08 (2009.01)
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F25C 5/00 (2018.01)
F25C 1/04 (2018.01)
F25C 5/04 (2006.01)
F25D 11/02 (2006.01)
F25D 23/12 (2006.01)
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F25D 11/02 (2006.01)
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A61L 9/20 (2006.01)
B01D 53/34 (2006.01)
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combination with wide angle intra pre-
diction
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H04N 19/11 (2014.01)
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C10G 1/10 (2006.01)
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C10G 45/00 (2006.01)
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C09B 57/00 (2006.01)
C07D 413/14 (2006.01)
C07H 21/00 (2006.01)
C09B 11/24 (2006.01)
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A61P 35/00 (2006.01)
A61K 31/14 (2006.01)
C07C 213/10 (2006.01)
C07C 217/84 (2006.01)
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A01K 67/033 (2006.01)
G01N 33/48 (2006.01)
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A61B 5/02 (2006.01)
A61B 5/024 (2006.01)
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H02S 40/44 (2014.01)
F24S 10/20 (2018.01)
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A45D 29/00 (2006.01)
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A61K 31/4375 (2006.01)
A61K 31/519 (2006.01)
C07D 471/14 (2006.01)
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A61K 9/06 (2006.01)
A61K 38/00 (2006.01)
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C12N 7/00 (2006.01)
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 A61P 35/00 (2006.01)
 C07D 207/448 (2006.01)
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 C08L 95/00 (2006.01)
 C02F 3/28 (2006.01)
 C02F 3/34 (2006.01)
 C02F 11/04 (2006.01)
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 C08L 97/00 (2006.01)
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 A61K 48/00 (2006.01)
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 C12N 15/864 (2006.01)
 A61K 48/00 (2006.01)
 C12N 9/64 (2006.01)
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 B01J 8/00 (2006.01)
 B01J 20/02 (2006.01)
 C07C 2/08 (2006.01)
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 G01N 29/34 (2006.01)
 G01D 5/48 (2006.01)
 G01S 15/88 (2006.01)
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 A61K 48/00 (2006.01)
 C07K 14/47 (2006.01)
 C12N 15/09 (2006.01)
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 A61B 17/70 (2006.01)
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 A61B 17/90 (2006.01)
 A61B 34/20 (2016.01)
 A61B 90/00 (2016.01)
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 G01V 3/00 (2006.01)
 H01H 9/20 (2006.01)
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C12N 1/00 (2006.01)
C12P 1/00 (2006.01)
C12P 1/02 (2006.01)
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C25B 1/02 (2006.01)
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C01B 32/60 (2017.01)
C25B 15/08 (2006.01)
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C07D 417/08 (2006.01)
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C12Q 1/02 (2006.01)
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A61P 9/10 (2006.01)
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2018424239	KIM, T.; KOO, D.	2019278897	Lineage Logistics, LLC
2018424258	Kinetic Pressure Control, Ltd.	2019278989	Droit Financial Technologies, LLC
2018425667	Steelhead LNG (ASLNG) Ltd.	2019279099	University of Iowa Research Foundation; University of Virginia Patent Foundation; Direct Spinal Therapeutics Inc.
2018427373	GUANGDONG OPPO MOBILE TELECOMMUNICA- TIONS CORP., LTD.	2019279208	Kyocera Corporation
2018427601	Mitek Holdings, Inc.	2019279484	Mucsi, L.
2018428571	Probi AB	2019280254	GEDDES, G.A.
2018428626	GUANGDONG OPPO MOBILE TELECOMMUNICA- TIONS CORP., LTD.	2019280266	Petróleo Brasileiro S.A. - Petrobras
2018428631	GUANGDONG OPPO MOBILE TELECOMMUNICA- TIONS CORP., LTD.	2019280272	Attabotics Inc.
2018429021	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019280282	Multy Home LP
2018429057	Oslo universitetssykehus HF; Consejo Superior De In- vestigaciones Científicas (CSIC); Universitat Politècnica De València; VOUGIOUKALAKIS, G.C.; ROTAS, G.; National and Kapodistrian University of Athens	2019280442	Adama Australia Pty Ltd
2018429076	GUANGDONG OPPO MOBILE TELECOMMUNICA- TIONS CORP., LTD.	2019280443	Adama Australia Pty Ltd
2018429247	Fujitsu Limited	2019280449	Back To Earth (Aust) Pty Ltd
2018430193	Mainetec Pty Ltd	2019280476	Attabotics Inc.
2018430771	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019280881	SaltX Technology AB
2018430831	Fujitsu Limited	2019280926	Toray Industries, Inc.
2018430861	Dow Global Technologies LLC	2019280990	Locanabio, Inc.
2018430965	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019281006	Locanabio, Inc.
2018431114	Nakajima Glass Co., Inc.	2019281008	Temple University - of The Commonwealth System of Higher Education
2018431199	Greeneden U.S. Holdings II, LLC	2019281011	Amyris, Inc.
2018431356	China Railway Construction Heavy Industry Corporation Limited	2019281223	Zenotop Limited
2018431627	Chong, P.	2019281258	The Regents of The University of California
2018431731	Youngblood, W.	2019281613	Jiangsu Atom Bioscience and Pharmaceutical Co., Ltd.
2018431765	Vermeer Manufacturing Company	2019281966	Board of Regents, The University of Texas System
2018431885	Dow Global Technologies LLC; Rohm and Haas Com- pany	2019282043	Coral Protocol
2018431967	Kimberly-Clark Worldwide, Inc.	2019282259	De Rochemont, L.
2018432075	Dow Global Technologies LLC; Rohm and Haas Com- pany	2019282274	Idorsia Pharmaceuticals Ltd
2018432365	Datamars SA	2019282300	Kardion GmbH
2018432434	Eucure (Beijing) Biopharma Co., Ltd	2019282321	Hanwha Azdel, Inc.
2018432853	CPP Incorporated	2019282329	Becton, Dickinson and Company
2018434176	Zentrum für Forschungsförderung in der Pädiatrie GmbH	2019282673	AMVAC Hong Kong Limited
2018434358	Chiomics, LLC	2019282725	DD Dannar LLC
2018434915	C.R. Bard, Inc.	2019282755	The Board of Trustees of University of Illinois
2018434924	Nantkwest, Inc.	2019282801	West Coast Chain Mfg. Co.
2018435240	R H L Down Pty Ltd	2019283407	Kardion GmbH
2018435277	Colgate-Palmolive Company	2019283439	Cambridge Enterprise Limited
2018437303	Biofrontera Bioscience GmbH	2019283469	Joint Stock Company "Pay Ring"
2018441849	Halliburton Energy Services, Inc.	2019283481	LG Electronics Inc.
2018442360	Halliburton Energy Services, Inc.	2019283485	LG Electronics Inc.
2018442812	Halliburton Energy Services, Inc.	2019283594	Zepelin, s.r.o.
2018443509	Halliburton Energy Services, Inc.	2019283654	Magenta Therapeutics, Inc.
2018443518	Halliburton Energy Services, Inc.	2019283655	Fondazione U. Bonino E M.S. Pulejo
2018447235	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019283683	Dexos Drinks Limited
2018449780	Jiangmen iGuarder Electronic Co., Ltd.	2019284192	National Institute of Biological Sciences, Beijing
2019262483	LG Electronics Inc.	2019284214	Ecochem Australia Pty Ltd
2019268590	Manifattura Pri.Ma.Tex S.R.L.	2019284218	Petróleo Brasileiro S.A. - Petrobras; Universidade Fed- eral De Viçosa - Ufv
2019270338	Maschinenfabrik Reinhausen GmbH	2019284230	The Globe And Mail Inc.
2019272131	Ningbo Fotile Kitchen Ware Co., Ltd	2019284293	W. L. Gore & Associates, Inc.
2019276567	Berkeley Lights, Inc.	2019284379	Intergraph Corporation
2019276797	CamelBak Products, LLC	2019284413	Wilhelm Layher Verwaltungs-GmbH
2019276995	Sarepta Therapeutics, Inc.	2019284477	Axsome Therapeutics, Inc.
2019277458	CamelBak Products, LLC	2019284482	The Wistar Institute of Anatomy and Biology
2019277576	Lineage Logistics, LLC	2019284617	Venatorx Pharmaceuticals, Inc.

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2019284621	Dermata Therapeutics, LLC	2019290099	ShanghaiTech University; The Governing Council of The University of Toronto
2019284914	Avon Products, Inc.	2019290127	BioNTECH US Inc.
2019285032	Carbon Technology Holdings, LLC	2019290130	Somalogic, Inc.
2019285034	The Scripps Research Institute	2019290223	Visa International Service Association
2019285093	Liebherr-Werk Biberach GmbH	2019290228	Asklepios Biopharmaceutical, Inc.
2019285170	AstraZeneca UK Limited	2019290333	Medivir AB
2019285184	Xenon Pharmaceuticals Inc.	2019290533	Becton Dickinson and Company Limited
2019285374	Puff-Ah Pty Ltd	2019290544	Research Institute at Nationwide Children's Hospital
2019285508	Keightlley, K.	2019290556	S&P Ingredient Development, LLC
2019285579	TODESCAN, A.	2019290582	Cella Therapeutics, LLC
2019285822	Iothic Ltd	2019290640	Mycardio LLC; Beth Israel Deaconess Medical Center, Inc.
2019285831	Immune Regulation Limited	2019290722	Betta Pharmaceuticals Co., Ltd
2019285890	Shenzhen Voxtech Co., Ltd.	2019290725	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2019285891	Shenzhen Voxtech Co., Ltd.	2019290737	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019286195	Fintek S.R.L.	2019290985	Welltec Oilfield Solutions AG
2019286386	Fitoussi, S.; Katz, B.; Gensight Biologics SA	2019290998	Universite Paris-Saclay; Institut National de la Sante et de la Recherche Medicale (INSERM); Assistance Publique - Hopitaux de Paris
2019286397	Intersect ENT, Inc.	2019291069	Fondazione Telethon; Fondazione Centro San Raffaele; Ospedale San Raffaele S.r.l.
2019286411	Rady Children's Hospital Research Center	2019291079	Cytovation AS
2019286437	Maschinenfabrik Reinhausen GmbH	2019291163	Brill Engines, S.L.
2019286487	JALLOUL, T.M.	2019291238	CAELIMP
2019286526	Opus One Solutions Energy Corp; Opus One Solutions (USA) Corporation	2019291257	Wet Holdings (Global) Limited
2019286536	Proxy Technologies, Inc.	2019291305	MedImmune Limited; Fundacio Privada Institut d' Investigacio Oncologia de Vall Hebron; Fundacio Privada Institutio Catalana de Recerca i Estudis Avancats
2019286554	GEMoAb Monoclonals GmbH	2019291593	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.
2019286648	Gen-Probe Incorporated	2019291606	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.
2019286776	Liebherr-Components Biberach GmbH	2019291656	RAI Strategic Holdings, Inc.
2019286795	Singapore Health Services Pte. Ltd.; National University of Singapore; Boehringer Ingelheim International GmbH	2019291659	Emergent BioSolutions Canada Inc.
2019286797	Singapore Health Services Pte. Ltd.; National University of Singapore; Boehringer Ingelheim International GmbH	2019291692	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2019287097	Norgine B.V.	2019291871	Universal Research Solutions, LLC
2019287193	Wrekin Holdings Limited	2019291918	Editas Medicine, Inc.
2019287364	Sophia Genetics SA	2019292055	Dow Global Technologies LLC
2019287528	Unity Biotechnology, Inc.	2019292266	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2019287535	AstraZeneca UK Limited	2019292327	Hallura Ltd.
2019287549	AstraZeneca UK Limited	2019292414	Samyang Corporation
2019287551	AstraZeneca UK Limited	2019292471	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2019287566	Bakalis, K.; Bakalis, A.	2019292572	Breakthrough Tech LLC
2019287591	Star Liberty LLC	2019292927	The GMN Group LLC
2019287621	Cidara Therapeutics, Inc.	2019293047	Gensun Biopharma Inc.
2019287734	W. L. Gore & Associates, Inc.; The Johns Hopkins University	2019293146	Arville Textiles Limited
2019287735	W. L. Gore & Associates, Inc.	2019293157	Immodulon Therapeutics Limited
2019287742	Beth Israel Deaconess Medical Center, Inc.; Antigen Institute for Biomedical Research	2019293166	The University of Birmingham
2019287771	Curasen Therapeutics, Inc.	2019293245	Stryker Corporation
2019287779	Curasen Therapeutics, Inc.	2019293248	Pivot Bio, Inc.
2019288275	Epigen Biosciences, Inc.	2019293531	Smart Wave Technologies, Inc.
2019288277	H. Lee Moffitt Cancer Center and Research Institute, Inc.; Memgen, LLC	2019293641	CMA Macchine Per Caffè S.r.l.
2019288296	Cella Therapeutics, LLC	2019293657	Spirecut SA
2019288453	Hayward Industries, Inc.	2019293772	Taiho Pharmaceutical Co., Ltd.
2019288461	McBay, D.	2019293900	Samyang Corporation
2019288495	Calithera Biosciences, Inc.	2019294228	Vasonics, LLC
2019288576	Ruthless, Llc D/B/A Ruthless Spine	2019294291	The Surgical Company International B.V.
2019288585	Astura Medical Inc.	2019294387	ThyssenKrupp Industrial Solutions AG; ThyssenKrupp AG
2019288751	5 Health Inc.	2019294550	Manneschi, A.
2019288834	Astura Medical Inc.	2019294552	Manneschi, A.
2019288835	Bluestar Genomics, Inc.	2019294577	Lightsense Israel LTD.
2019288915	Heerema Marine Contractors Nederland SE	2019294714	Intelligent Design Systems Inc.
2019289077	Tornier, Inc.	2019294827	Dialight Corporation
2019289081	Tornier, Inc.	2019294959	Sensus Spectrum LLC
2019289083	Tornier, Inc.	2019295301	Asahi Group Holdings, Ltd.
2019289084	Tornier, Inc.		
2019289085	Tornier, Inc.		
2019289113	Gen-Probe Incorporated		
2019289119	ProbioTech USA LLC		
2019289178	Høj Life Limited		
2019289210	Reckitt Benckiser Health Limited		
2019289241	C.I.M.A. S.p.A.		
2019289515	Probi AB		
2019290050	Medisca Pharmaceutique Inc.		

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2019295303	Caterpillar Inc.	2019298063	Huawei Technologies Co., Ltd.
2019295422	Breville Pty Limited	2019298091	Unique Product & Design Co., Ltd.
2019295562	Kraft Foods Schweiz Holding GmbH	2019298150	Caterpillar Inc.
2019295574	Vid Scale, Inc.	2019298225	Dow Global Technologies LLC.
2019295576	Imagine Pharma, LLC	2019298242	Minnetronix Neuro, Inc.
2019295592	Baker Hughes Holdings LLC	2019298340	Pebble Labs USA, INC.
2019295696	Pioneer Surgical Technology, Inc.	2019298342	Arjil Biotech Holding Company Limited
2019295699	Bioxcel Therapeutics, Inc.; Arx, LLC	2019298656	Bayer Aktiengesellschaft
2019295715	Metropolitan Washington Airports Authority; Seenivasagam, D.; Kundu, G.; Grasso, J.; Gulati, S.; Ramisetty, S.; Sendra, Y.M.A.; Poplar, K.; Karuppiyah, B.	2019298749	Norbrook Laboratories Limited
2019295724	Ergomotion, Inc.	2019298854	Huawei Technologies Co., Ltd.
2019295766	AECOM	2019298855	Huawei Technologies Co., Ltd.
2019295779	Research Institute at Nationwide Children's Hospital	2019298957	Caterpillar Global Mining Equipment LLC
2019295790	Forma Therapeutics, Inc.	2019298976	Origin Point Brands, LLC
2019295855	City of Hope	2019299002	DuPont Nutrition Biosciences ApS
2019296085	Beijing Innocare Pharma Tech Co., Ltd.	2019299072	Mores, Inc.
2019296099	Baoshan Iron & Steel Co., Ltd.	2019299110	Catalent Pharma Solutions, LLC
2019296183	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019299226	The Climate Corporation
2019296279	REnescience A/S	2019299229	The Climate Corporation
2019296315	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019299428	True Velocity IP Holdings, LLC
2019296320	Xinfu (Beijing) Medical Technology Co., Ltd.	2019299431	True Velocity IP Holdings, LLC
2019296360	Schoeller Allibert GmbH; Chep Technology Pty Ltd.	2019299453	Disney Enterprises, Inc.
2019296377	Knorr-Bremse Systeme für Schienenfahrzeuge GmbH	2019299519	BRIGHT, C.; REN, Y.; MARTIN, K.; KHOSRAVI, F.; SAWHNEY, A.S.
2019296419	Shanghai Green Valley Pharmaceutical Co., Ltd.; Shanghai Institute of Materia Medica, Chinese Academy of Sciences	2019299527	DuPont Nutrition Biosciences ApS
2019296518	Newcrest Mining Limited	2019299538	Celista Pharmaceuticals LLC
2019296519	Newcrest Mining Limited	2019299549	Raydiant Oximetry, Inc.
2019296817	China Petroleum & Chemical Corporation; Research Institute of Petroleum Processing, Sinopec	2019299631	Qingdao Haier Refrigerator Co.,Ltd; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.
2019296843	Shanghai Green Valley Pharmaceutical Co., Ltd.; Shanghai Institute of Materia Medica, Chinese Academy of Sciences	2019299676	Allergan Pharmaceuticals International Limited
2019296850	Shanghai Green Valley Pharmaceutical Co., Ltd.; Shanghai Institute of Material Medica, Chinese Academy Of Sciences	2019299698	Elbit Systems Land And C4I Ltd.
2019296851	Shanghai Green Valley Pharmaceutical Co., Ltd.; Shanghai Institute of Material Medica, Chinese Academy Of Sciences	2019299704	Barcode Diagnostics Ltd.
2019296854	Shanghai Green Valley Pharmaceutical Co., Ltd.; Shanghai Institute of Material Medica, Chinese Academy Of Sciences	2019299942	Parenteral Technologies, LLC
2019296855	Shanghai Green Valley Pharmaceutical Co., Ltd.; Shanghai Institute of Material Medica, Chinese Academy of Sciences	2019299970	Rocket Pharmaceuticals, Ltd.
2019297158	Elta Systems Ltd.	2019300067	Lanxess Deutschland GmbH
2019297196	Zelira Therapeutics Operations Pty Ltd	2019300085	Haldor Topsøe A/S
2019297197	Zelira Therapeutics Operations Pty Ltd	2019300135	Kinarus AG
2019297198	Zelira Therapeutics Operations Pty Ltd	2019300169	Quantum-Si Incorporated
2019297205	Agahari, N.	2019300172	Twinstrand Biosciences, Inc.
2019297207	Sunbeam Corporation Pty Ltd	2019300182	Honeywell International Inc.
2019297214	Medshine Discovery Inc.	2019300211	DSM IP Assets B.V.
2019297268	Handels- Og Produktionsselskabet Ven-Po A/S	2019300287	Ledger, SAS
2019297324	Gilead Sciences, Inc.	2019300307	Cox Powertrain Limited
2019297344	PureTech LYT, Inc.	2019300313	MatOrtho Limited
2019297360	Axsome Therapeutics, Inc.	2019300335	Recordati Industria Chimica e Farmaceutica SpA
2019297412	Butterfly Network, Inc.	2019300410	Hydromecanique et frottement
2019297421	Radius Pharmaceuticals, Inc..	2019300418	Gaztransport et Technigaz
2019297425	Boundy, T.	2019300419	GazTransport et Technigaz
2019297451	Elstar Therapeutics, Inc.	2019300466	Holcim Technology Ltd
2019297466	Metalogenia Research & Technologies, S.L.	2019300467	Holcim Technology Ltd
2019297516	Maranon, Inc.; THOMAS, N.; ESTRERA, J.; THOMAS, J.	2019300531	UPL Ltd
2019297522	Surrozen, Inc.	2019300545	Lymbyc Solutions Private Limited
2019297527	Moselle Technologies, LLC	2019300562	Caffitaly System S.p.A.
2019297562	Quantafuel AS	2019300691	Huawei Technologies Co., Ltd.
2019297572	Kancera AB	2019300763	Trotter, V.
2019297601	Scherrer, J.; Lang, D.	2019300768	InterDigital VC Holdings, Inc.
2019297809	Axem Neurotechnology Inc.	2019300827	Mitsubishi Power, Ltd.
		2019300841	OV Loop, Inc.
		2019300848	Bushnell, Inc.
		2019300873	Ambient Photonics, Inc.
		2019300911	GeneMedicine Co., Ltd.
		2019300940	Lowes TC Pty Ltd
		2019300981	BluePrint Holding B.V.
		2019300986	SJJ Solutions B.V.
		2019300992	APL Technology AS
		2019301053	Flagship Pioneering Innovations V, Inc.
		2019301057	Individual Implant Solutions, Inc.
		2019301081	Intelligent Material Solutions, Inc.
		2019301101	CSPC Zhongqi Pharmaceutical Technology (Shijiazhuang) Co., Ltd.
		2019301257	Dtamedical
		2019301299	Neteera Technologies Ltd.
		2019301320	AGNIHOTRI, M.; DWIVEDI, U.

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2019301449	Ecoglo International Limited	2019305001	FMC Corporation
2019301514	Cargill, Incorporated; DONG, J.; HANSEN, S.; SCHALLER, J.; SMITH, S.	2019305136	ATG 20 S.R.L.
2019301575	Raygen Resources Pty Ltd	2019305163	Caffitaly System S.p.A.
2019301580	Apex Greenhouses (Australia) Pty Ltd	2019305585	The Regents of the University of California
2019301628	Lieber Institute, Inc.	2019305586	The Regents of the University of California
2019301633	Surrozen, Inc.	2019305683	Gulf Conveyor Systems Pty Ltd
2019301648	Hollister Corporation	2019305828	Takeda Pharmaceutical Company Limited
2019301675	The United States of America, as represented by The Secretary, Department of Health and Human Services	2019306078	ViaLase, Inc.
2019301679	H. Lee Moffitt Cancer Center and Research Institute, Inc.	2019306121	Inserm (Institut National De La Santé Et De La Recherche Médicale); Genethon; Sorbonne Université.; Université de Paris; Spark Therapeutics, Inc.
2019301725	Agricultural Utilization Research Institute	2019306189	BAE SYSTEMS plc
2019301736	Regeneron Pharmaceuticals, Inc.	2019306205	Qualcomm Incorporated
2019301750	Board of Regents, The University of Texas System	2019306223	Modern Meadow, Inc.
2019301753	Arris Composites Inc.	2019306246	Netflix, Inc.
2019301756	Berg LLC	2019306305	PREBENA Wilfried Bornemann GmbH & Co. KG
2019301811	Gilead Sciences, Inc.	2019306517	CommScope Technologies LLC
2019301825	TerraClear Inc.	2019306543	Humabs BioMed SA; Institute for Research In Biomedicine
2019301835	The University of Akron	2019306705	Sumitomo Dainippon Pharma Co., Ltd.
2019301880	Eurvest Sa	2019306967	Toray Industries, Inc.
2019301894	Germeroth, L.	2019307127	Bayer Aktiengesellschaft
2019302074	Sony Corporation	2019307238	HEWSON, L.R.
2019302075	Sony Corporation	2019307500	Gilead Sciences, Inc.
2019302329	Igloo Products Corp.	2019307743	Neptune Medical Inc.
2019302442	Boston Scientific Neuromodulation Corporation	2019307835	Biofidelity Ltd
2019302510	Regeneron Pharmaceuticals, Inc.	2019307872	Skin Rejuvenation Technologies (Pty) Ltd
2019302534	Lieber Institute, Inc.	2019308154	Sunlighten, Inc.
2019302541	Selig Sealing Products, Inc.	2019308165	FMC Corporation
2019302544	Sientra, Inc	2019308183	The Medical College of Wisconsin, Inc.
2019302589	Saipem S.p.A.	2019308229	Panacea Quantum Leap Technology LLC
2019302646	Capital One Services, LLC	2019308293	Battelle Memorial Institute
2019302732	Gilead Sciences, Inc.	2019308317	University of Washington
2019302747	Pivot Bio, Inc.	2019308478	Tenax Energy Solutions, LLC; JONES, K.D.
2019302923	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.	2019308539	Cambridge Mobile Telematics Inc.
2019302960	Vivo Mobile Communication Co., Ltd.	2019308567	Selecta Biosciences, Inc.
2019302968	Vivo Mobile Communication Co., Ltd.	2019308810	Bertagni 1882 S.p.A.
2019303001	Syntach AG	2019308825	Vitec Imaging Solutions S.p.A.
2019303237	VILNIAUS UNIVERSITETAS; Universite de Caen Normandie; Institut National de la Sante et de la Recherche Medicale (INSERM); Centre Regional Francois Baclesse	2019308862	Adamed Pharma S.A.
2019303291	Mitsubishi Chemical Agri Dream Co., Ltd.	2019309210	MicroPharm Limited
2019303317	BillerudKorsnäs AB	2019309241	Citrix Systems, Inc.
2019303323	F.I.S. - Fabbrica Italiana Sintetici S.p.A.; Amgen Inc.	2019309363	Research Triangle Institute; University Of The Basque Country
2019303436	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019309379	Stryker Corporation
2019303651	Panasonic Intellectual Property Corporation of America	2019309400	Evoqua Water Technologies LLC
2019303767	Vivo Mobile Communication Co., Ltd.	2019309557	Pumpam Solutions S.L.
2019303904	Bayer Aktiengesellschaft; Bayer CropScience Aktiengesellschaft	2019309669	American Sterilizer Company
2019303989	Flint Engineering Ltd	2019309671	CHEP Technology Pty Limited
2019304024	Graphenano Medical Care, S.L.	2019309852	Arbutus Biopharma Corporation
2019304074	Aviation Works Ltd	2019309894	Biotheryx, Inc.
2019304103	Gulf Conveyor Systems Pty Ltd	2019310102	Cagent Vascular, LLC
2019304174	Multitude Inc.	2019310214	Nutri Co., Ltd.
2019304199	3M Innovative Properties Company	2019310299	Zebra Technologies Corporation
2019304206	Sawant, A.; PUTHENVEETIL KUNJUKRISHNA MENON, R.	2019310344	Matthew, J.
2019304309	Suzano S.A.	2019310346	Clover Corporation Limited
2019304384	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.	2019310435	Synerfuse, Inc.
2019304392	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.	2019310775	DELTA BLOC International GmbH
2019304509	Graphenano Medical Care, S.L.	2019310877	Universiteit Gent
2019304522	Association Institut De Myologie; INSERM (Institut National de la Santé et de la Recherche Médicale); Sorbonne Université	2019311104	Georgia-Pacific Gypsum LLC
2019304554	TCS John Huxley Europe Limited	2019311199	DNA Script
2019304892	ViaLase, Inc.	2019311290	Ospedale pediatrico Bambino Gesù (OPBG)
2019304953	Netflix, Inc.	2019311304	Dompe' farmaceutici S.p.A.
		2019311391	Sawant, A.; Doshi, H.
		2019311596	Daiichi Sankyo Company, Limited
		2019311819	MicroPharm Limited
		2019312125	DDP Specialty Electronic Materials US, LLC
		2019312204	XploSafe, LLC
		2019312213	Graphic Packaging International, LLC
		2019312609	Benthic USA LLC
		2019312678	Colgate-Palmolive Company
		2019312830	Nicoventures Trading Limited
		2019312835	Nicoventures Trading Limited

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2019312877	Autolus Limited	2019326622	China Petroleum & Chemical Corporation; Research Institute of Petroleum Processing, Sinopec
2019313145	LG Electronics Inc.	2019326752	Dr. Falk Pharma GmbH
2019313502	GlaxoSmithKline Biologicals SA	2019326787	Gurunavi, Inc.
2019313665	Bzigo LTD	2019326933	Boehringer Ingelheim International GmbH
2019314072	LG Electronics Inc.	2019329431	Avent, Inc.
2019314282	Gilead Sciences, Inc.	2019329519	Kyocera Senco Industrial Tools, Inc.
2019314302	Loxo Oncology, Inc.	2019331753	Ossio Ltd.
2019314342	Kinetic Pressure Control, Ltd.	2019332792	Pioneer Hi-Bred International, Inc.
2019314355	Amgen Inc.	2019332872	Electrolux Appliances Aktiebolag
2019314390	Fresenius Medical Care Holdings, Inc.	2019333082	Wisconsin Alumni Research Foundation
2019314455	NantKwest, Inc.	2019336443	Haier Smart Home Co., Ltd.
2019314513	Sangamo Therapeutics, Inc.	2019337291	LG Electronics Inc.; Jun, Y.
2019314578	Dejero Labs Inc.	2019338106	Casale SA
2019314579	Resonant Acoustics International Inc.	2019338239	Archroma IP GmbH
2019314884	Nicoventures Trading Limited	2019338306	Universal Fibers, Inc.
2019314890	Nicoventures Trading Limited	2019338756	Fujikura Ltd.
2019314893	Nicoventures Trading Limited	2019339732	Novozymes A/S
2019315262	LG Electronics Inc.	2019343155	Ambient Photonics, Inc.
2019315359	Fresenius Medical Care Holdings, Inc.	2019345715	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019315438	Centro de Investigaciones Energeticas, Medioambientales Y Tecnologicas, O.A., M.P.; Consorcio Centro de Investigacion Biomedica en Red, M.P.; Fundacion Instituto de Investigacion Sanitaria Fundacion Jimenez Diaz; Rocket Pharmaceuticals, Ltd.	2019345827	Shandong Cynda Chemical Co., Ltd.
2019315566	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019346341	Boston Scientific Scimed, Inc.
2019315688	Erber Aktiengesellschaft	2019349369	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019315778	Novartis AG	2019351790	Edupresent LLC
2019316092	Industrie De Nora S.p.A.	2019357252	Dahiya, V.
2019316524	Odinwell Ab	2019357516	Fujikura Ltd.
2019317130	Samsung Electronics Co., Ltd.	2019357876	S&C Electric Company
2019317267	Duracell U.S. Operations, Inc.	2019373839	Dahiya, V.
2019317336	Verily Life Sciences LLC	2019379262	Société des Produits Nestlé S.A.
2019317453	The Toro Company	2019380236	Intel Corporation
2019317516	Evoqua Water Technologies LLC	2019380497	Société des Produits Nestlé S.A.
2019317542	Graphic Packaging International, LLC	2019385776	Huawei Technologies Co., Ltd.
2019317576	The Toro Company	2019405358	RemeGen Co., LTD.
2019318079	The Broad Institute, Inc.; Massachusetts Institute of Technology	2019417183	Dalian University of Technology
2019318420	Sangamo Therapeutics, Inc.	2019427992	Toshiba Mitsubishi-Electric Industrial Systems Corporation
2019318433	Colgate-Palmolive Company	2019428629	Sangamo Therapeutics, Inc.
2019319064	Citrix Systems, Inc.	2019432628	Mitsubishi Hitachi Power Systems, Ltd.
2019319599	Bracco Imaging SpA	2019437717	China University of Mining and Technology
2019319615	Ferton Holding S.A.	2019438435	Crop Research Institute, Shandong Academy of Agricultural Sciences
2019319726	Lantech.com, LLC	2020203291	Shanghai Municipal Electric Power Company; East China Electric Power Test & Research Institution Company Limited
2019319961	Colgate-Palmolive Company	2020211640	Cellr Pty Ltd
2019319976	Regenxbio Inc.	2020239693	Apple Inc.
2019320344	Suntory Holdings Limited	2020264387	Coupage Corp.
2019320345	Suntory Holdings Limited	2020264402	Coupage Corp.
2019320346	Suntory Holdings Limited	2020268928	Jiangsu Academy Of Agricultural Sciences
2019320494	ETH Zürich	2020275139	Cylus Cyber Security Ltd.
2019320770	Gilead Sciences, Inc.	2020276989	Mitsubishi Power, Ltd.
2019320953	Xuzhou XCMG Mining Machinery Co., Ltd.	2020289796	Illumina Cambridge Limited; Illumina, Inc.
2019321424	Gilead Sciences, Inc.	2020290407	Security Services Northwest, Inc.
2019321539	Evoqua Water Technologies LLC	2020298635	Truetiva, Inc.; KENNEDY, J.P.
2019321678	Amgen Inc.	2020300257	Incitec Pivot Limited
2019321870	The University of Sydney; Western Sydney Local Health District	2020305592	Hanmi Pharm. Co., Ltd.
2019321980	CleanTech Swiss AG		
2019322257	The University of Sydney; Western Sydney Local Health District		
2019322292	China Petroleum & Chemical Corporation; Research Institute of Petroleum Processing, Sinopec		
2019323115	Janssen Vaccines & Prevention B.V.		
2019324403	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.		
2019324528	Lead Discovery Center GmbH		
2019325454	Igloo Products Corp.		
2019325466	Locus IP Company, LLC		
2019325658	The United States of America, as Represented by the Secretary, Department of Health and Human Services		

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2019317453	2019291238	2019311391	<u>A23L 27 /-</u>	2019282801	2019295696
2019317576	<u>A01M 7 /-</u>	2019320344	2019292414	2019325454	2019301057
<u>A01G 2 /-</u>	2019289241	2019320345	<u>A23L 29 /-</u>	<u>A45D 29 /-</u>	2019309379
2019300940	2019291238	<u>A21D 10 /-</u>	2019292414	2019289210	2019310102
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2019303291	2019300531	<u>A21D 13 /-</u>	2019379262	2019325454	2019310877
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2019284218	<u>A01N 31 /-</u>	<u>A23C 11 /-</u>	<u>A23L 3 /-</u>	2018435277	<u>A61B 18 /-</u>
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<u>A01G 9 /-</u>	2019280443	2019380497	2019320345	<u>A47C 21 /-</u>	2019322257
2019301580	2019307127	<u>A23C 7 /-</u>	<u>A23L 33 /-</u>	2019308154	<u>A61B 3 /-</u>
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2019284218	2019280442	<u>A23C 9 /-</u>	2019293900	2019295724	<u>A61B 34 /-</u>
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2019302747	2019300531	2019299527	2019310346	2019294291	2019289077
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2019293248	2019300531	2019320345	2019292414	2019300562	<u>A61B 5 /-</u>
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<u>A01K 1 /-</u>	2019307127	2019310214	<u>A24B 15 /-</u>	2019293641	2019279099
2018316342	2019308165	2019320344	2019312830	2019297207	2019282300
<u>A01K 11 /-</u>	2019320344	2019320345	2019312835	<u>A47J 43 /-</u>	2019282329
2018432365	2019320345	2019379262	2019314884	2019295422	2019287779
<u>A01K 15 /-</u>	2019345827	2019380497	2019314890	<u>A47J 44 /-</u>	2019290640
2019312204	<u>A01N 47 /-</u>	<u>A23K 10 /-</u>	2019314893	2019294291	2019291163
<u>A01K 3 /-</u>	2019280442	2019325466	<u>A24B 3 /-</u>	<u>A47J 43 /-</u>	2019297809
2019297268	2019280443	<u>A23K 20 /-</u>	2019312830	<u>A47J 44 /-</u>	2019299072
<u>A01K 67 /-</u>	<u>A01N 59 /-</u>	2019300211	2019314893	<u>A47L 11 /-</u>	2019299549
2019280449	2019311391	2019310346	<u>A24D 1 /-</u>	<u>A47L 15 /-</u>	2019301299
2019286411	2019303904	2019315688	2019291656	2019317130	2019307872
<u>A01M 1 /-</u>	<u>A01N 63 /-</u>	2019339732	<u>A24F 47 /-</u>	<u>A61B 50 /-</u>	2019321870
2019291238	2019282673	<u>A23K 40 /-</u>	2019291656	2019295422	<u>A61B 8 /-</u>
2019293531	2019293248	2019339732	2019312830	<u>A47L 11 /-</u>	2018434915
<u>A01M 23 /-</u>	2019302747	<u>A23K 50 /-</u>	2019312835	<u>A47L 15 /-</u>	2019282300
2019293531	2019303904	<u>A23L 11 /-</u>	2019314884	2019313145	2019297412
	<u>A01P 13 /-</u>	2019293900	2019314890	2019314072	<u>A61B 90 /-</u>
	2019280442	<u>A23L 2 /-</u>	2019314893	<u>A61B 1 /-</u>	2018434915
	2019280443	2019295301	<u>A41D 31 /-</u>	2019346341	2019288576
	2019307127	2019300067	2019268590	<u>A61B 10 /-</u>	2019289077
	2019345827	2019320344	<u>A45C 11 /-</u>	<u>A61B 10 /-</u>	2019289084
	<u>A01P 21 /-</u>		2019325454	2018435240	2019289085
	2019302747			<u>A61B 17 /-</u>	2019293245
				2018434915	2019293657
				2019288576	2019302544
				2019288585	2019309669
				2019288834	2019310435
				2019289077	<u>A61C 13 /-</u>
				2019289210	2019301057

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<u>A61C 17 /-</u>	2019287097	2019292572	2019304174	2019304199	<u>A61M 16 /-</u>
2018435277	2019287528	2019293157	2019304384	2019305136	2019304074
2019319615	2019287535	2019295576	2019306121	2019310346	
	2019287551	2019295855	2019309210	2019318433	<u>A61M 25 /-</u>
	2019287771	2019301675	2019311596	2019319961	
<u>A61C 3 /-</u>	2019288296	2019305586	2019313502		2018434915
2019319615	2019288495	2019308183	2019314355	<u>A61K 9 /-</u>	2019286397
	2019290333	2019314455	2019314455	2018431731	2019294228
	2019290582		2019323115	2019287621	2019307743
<u>A61C 8 /-</u>	2019290722	<u>A61K 36 /-</u>	2019324403	2019288296	2019310102
2019279208	2019291918	2019295301	2019405358	2019289119	2019322257
2019301057	2019295301	2019298342		2019290582	
	2019295699	2019320345	<u>A61K 41 /-</u>	2019295699	<u>A61M 27 /-</u>
	2019295790	2019325466	2018429057	2019297360	2019298242
<u>A61F 13 /-</u>	2019296085	2020298635	2018437303	2019298656	
2019294228	2019296320			2019299538	<u>A61M 3 /-</u>
	2019296419	<u>A61K 38 /-</u>	<u>A61K 45 /-</u>	2019299942	2019298242
	2019296843	2019281966	2019278664	2019301101	
<u>A61F 2 /-</u>	2019296850	2019283655	2019281966	2019302510	
2018434915	2019296851	2019284621	2019283655	2019305136	<u>A61M 39 /-</u>
2019279208	2019296854	2019285831	2019287779	2019305828	
2019284293	2019296855	2019287621	2019290582	2019306705	2019315359
2019287734	2019297196	2019288296	2019293047	2019307500	
2019288585	2019297197	2019290127	2019293157	2019308862	<u>A61M 5 /-</u>
2019300313	2019297198	2019290582	2019293772	2019310346	
2019302544	2019297214	2019291079	2019296320	2019311819	2018431731
2019303001	2019297360	2019293772	2019300135	2019314302	2019281258
2019310102	2019297421	2019295576	2019307500	2019325466	2019294228
2019331753	2019297572	2019299110	2019308183	2019326752	2019299942
	2019298342	2019299676		2020298635	2019300986
<u>A61F 5 /-</u>	2019299538	2019300911	<u>A61K 47 /-</u>		2019321678
2019301648	2019299942	2019301633	2018429057	<u>A61L 15 /-</u>	2019329431
	2019300135	2019302510	2018434176	2019292327	
	2019300335	2019304522	2019283654	<u>A61L 24 /-</u>	<u>A61M 60 /-</u>
<u>A61F 7 /-</u>	2019300873	2019306121	2019284482	2019292327	2019282300
2019294291	2019301101	2019308317	2019284621		2019283407
2019301257	2019301514	2019311304	2019287621		2019303001
	2019301811	2019313502	2019295699	<u>A61L 26 /-</u>	
	2019302732	2019314513	2019296320	2019281258	<u>A61N 1 /-</u>
<u>A61F 9 /-</u>	2019305828	2019318420	2019297360		2019279099
2019293245	2019306705	2019339732	2019298656	<u>A61L 27 /-</u>	2019297205
2019304892	2019307500	2019428629	2019299110	2019279208	2019302442
2019306078	2019308183	2020305592	2019301679	2019287735	2019308229
	2019308862		2019302510	2019292327	2019310435
<u>A61G 10 /-</u>	2019309852	<u>A61K 39 /-</u>	2019311596	2019331753	
2019308154	2019309894	2018432434	2019314355		<u>A61N 7 /-</u>
	2019314282	2018434924	2019405358	<u>A61L 31 /-</u>	2018434915
	2019314302	2019283654		2019281258	<u>A61P 1 /-</u>
<u>A61H 33 /-</u>	2019315778	2019284192	<u>A61K 48 /-</u>	2019299519	2018434176
2019301257	2019320345	2019286554	2019281006	2019331753	2019281613
	2019320346	2019286795	2019283655		2019287097
	2019320770	2019286797	2019290228	<u>A61L 9 /-</u>	2019295301
<u>A61H 35 /-</u>	2019321424	2019287742	2019290544	2019291238	2019297572
2019301257	2019324528	2019290099	2019295779	2019300135	2019320346
	2019325658	2019290127	2019299970	2019302923	2020305592
	2019326752	2019291069	2019300911		
<u>A61J 1 /-</u>	2019326933	2019291079	2019308567	<u>A61M 1 /-</u>	<u>A61P 11 /-</u>
2019287591	2020298635	2019291305	2019314513	2019298242	2019282274
2019290533		2019291659	2019318420	2019314390	2019287528
	<u>A61K 33 /-</u>	2019293047		2019315359	2019297572
<u>A61K 31 /-</u>	2019287097	2019293157	<u>A61K 49 /-</u>		2019300135
2019276995	2019308183	2019293772	2019299704	<u>A61M 15 /-</u>	2019304392
2019278664		2019296320	2019319599	2019285374	
2019281613	<u>A61K 35 /-</u>	2019297451			
2019281966	2018428571	2019297522	<u>A61K 8 /-</u>		
2019282274	2018434924	2019298656	2019284914		
2019284192	2019282755	2019299110	2019304024		
2019284477	2019289119	2019299676			
2019285034	2019289515	2019301053			
2019285170	2019291069	2019301675			
2019285184					

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<u>A61P 13 /-</u>	<u>A61P 3 /-</u>	<u>A61P 43 /-</u>	<u>B01D 61 /-</u>	<u>B04C 9 /-</u>	<u>B29C 43 /-</u>
2019276995	2019287535	2019287528	2019309400	2019312125	2019301753
2019297572	2019295301	2019293772			
2019300135	2019296843	2019295301	<u>B01D 67 /-</u>	<u>B05B 11 /-</u>	<u>B29C 64 /-</u>
	2019296855	2019309210	2019317516	2019276797	2019301835
<u>A61P 15 /-</u>	2019308183	2019311819			
		2019313502	<u>B01D 69 /-</u>	<u>B05B 15 /-</u>	<u>B29C 70 /-</u>
2019295301	<u>A61P 31 /-</u>		2019280926	2019282725	2019301753
<u>A61P 17 /-</u>	2019291659	<u>A61P 5 /-</u>	2019312125		2019306189
	2019296320	2019295301		<u>B05D 5 /-</u>	
2019295301	2019297214	2019295576	<u>B01D 71 /-</u>	2019282321	<u>B29D 99 /-</u>
2019300135	2019297324		2019280926		2019301753
2019302732	2019306543	<u>A61P 7 /-</u>		<u>B07B 13 /-</u>	2019306189
2019304509	2019307500	2019298656	<u>B01F 11 /-</u>	2019304103	<u>B29K 101 /-</u>
	2019313502	2019304509	2019290050	2019305683	
<u>A61P 19 /-</u>	2019314282	<u>A61P 9 /-</u>			
2019287528	2019320345	2019282274	<u>B01F 13 /-</u>	<u>B07B 15 /-</u>	2019301753
2019289515	2020298635	2019285170	2019290050	2019304103	<u>B29K 105 /-</u>
2019295301		2019287528			2019301753
2019297572	<u>A61P 35 /-</u>	2019287551	<u>B01F 15 /-</u>	<u>B07C 5 /-</u>	<u>B32B 15 /-</u>
2019320345	2018429057	2019297572	2019290050	2019304103	2019294291
	2018432434	2019300135		2019305683	
<u>A61P 21 /-</u>	2019278664	2019304392	<u>B01F 7 /-</u>		
	2019282755		2019290050	<u>B09B 3 /-</u>	<u>B32B 27 /-</u>
2019295301	2019283654	<u>A61Q 1 /-</u>		2019284214	2019282321
2019301514	2019286795	2019284914	<u>B01J 13 /-</u>	2019287591	2019301725
2019304522	2019286797		2019310346		
	2019290099	<u>A61Q 11 /-</u>	<u>B01J 19 /-</u>	<u>B21D 53 /-</u>	<u>B32B 3 /-</u>
<u>A61P 25 /-</u>	2019290127	2019304199	2019311199	2019288461	2019294291
	2019290333	2019309210			
2019284477	2019290722	2019318433	<u>B01J 20 /-</u>	<u>B21K 25 /-</u>	<u>B32B 33 /-</u>
2019285034	2019291079	2019319961	2019280881	2019288461	2018449780
2019285184	2019291305		2019285032		
2019287779	2019293157	<u>A62B 17 /-</u>	2019309363	<u>B22F 1 /-</u>	<u>B32B 5 /-</u>
2019295301	2019293772	2019293245		2019297527	2019282321
2019295699	2019295790	2019292927	<u>B01J 29 /-</u>	2019432628	2019287591
2019296843	2019296085				
2019296850	2019296320	<u>A62B 27 /-</u>	<u>B01J 35 /-</u>	<u>B23B 51 /-</u>	<u>B32B 7 /-</u>
2019296851	2019296320	2019292927	2019296817	2019285508	2018449780
2019296854	2019297421		2019322292	<u>B23P 19 /-</u>	2019301725
2019297196	2019297451	<u>A62C 3 /-</u>	2019326622	2019288461	
2019297197	2019297572	2019300763			
2019297198	2019299110	<u>A62C 35 /-</u>	<u>B01J 35 /-</u>	<u>B25C 1 /-</u>	<u>B32B 9 /-</u>
2019297360	2019300911	2019300763	2019296817	2019306305	2019301725
2019297572	2019301101	<u>A62C 37 /-</u>	2019322292	2019329519	2019306223
2019299676	2019301675				
2019300335	2019301811	<u>A62C 37 /-</u>	<u>B01J 8 /-</u>	<u>B25H 3 /-</u>	<u>B33Y 70 /-</u>
2019306705	2019304174	2019300763	2019309363	2019282801	2019301835
	2019309894	<u>A62C 35 /-</u>			2019306223
<u>A61P 27 /-</u>	2019311596	2019300763	<u>B01J 35 /-</u>	<u>B25J 5 /-</u>	
	2019314302		2019296817	2019280272	<u>B60B 19 /-</u>
2019287528	2019314355	<u>A62C 37 /-</u>	2019322292		2019298150
2019300135	2019320345	2019300763		<u>B29B 11 /-</u>	<u>B60C 23 /-</u>
	2019324528		<u>B01J 8 /-</u>	2019301753	
<u>A61P 29 /-</u>	2019326933	<u>A63B 47 /-</u>	2019309363		
	2019405358	2019301825		<u>B25H 3 /-</u>	2019306223
2018428571			<u>B01L 3 /-</u>	2019282801	<u>B33Y 80 /-</u>
2019282274	<u>A61P 37 /-</u>		2019282329		2019306223
2019283655	2019281613	<u>B01D 21 /-</u>	2019292572	<u>B25J 5 /-</u>	
2019295301	2019283655	2019312125	2020289796	2019280272	<u>B60B 19 /-</u>
2019296419	2019284192				2019298150
2019296843	2019295855	<u>B01D 53 /-</u>	<u>B02C 18 /-</u>		<u>B60C 23 /-</u>
2019297572	2019296320	2018430861	2019289178		
2019301628	2019324403	2019302923		<u>B03D 1 /-</u>	
2019302534			<u>B03D 1 /-</u>	2019437717	
2019306705	<u>A61P 39 /-</u>				
2019315778	2019320345				
2019320770					
2019321424					

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<u>B60C 29 /-</u>	<u>B63B 25 /-</u>	<u>B65C 9 /-</u>	<u>B67D 9 /-</u>	<u>C04B 9 /-</u>	<u>C07C 201 /-</u>
2019307238	2018425667	2019310299	2018425667 2019300419	2018427601	2019303323
<u>B60K 26 /-</u>	<u>B63B 27 /-</u>	<u>B65D 17 /-</u>	<u>B82Y 40 /-</u>	<u>C05B 1 /-</u>	<u>C07C 205 /-</u>
2019282725	2018425667 2019300419 2019300992	2019302541	2019304309	2020300257	2019303323
<u>B60L 3 /-</u>		<u>B65D 19 /-</u>	<u>B82Y 5 /-</u>	<u>C05B 13 /-</u>	<u>C07C 209 /-</u>
2019282725	<u>B63B 35 /-</u>	2019296360 2019309671	2019320494 2020298635	2020300257	2019281011
<u>B60P 1 /-</u>	2018425667 2019288915	<u>B65D 41 /-</u>	<u>C01B 3 /-</u>	<u>C05B 17 /-</u>	<u>C07C 213 /-</u>
2019282725 2019295303 2019320953	<u>B63B 39 /-</u>	2019303317	2019302589 2019338106	2020300257	2019297421
<u>B60R 16 /-</u>	2019300418	<u>B65D 43 /-</u>	<u>C01B 32 /-</u>	2020300257	2019297421
2019298150	<u>B63B 43 /-</u>	2019295422	2019302589 2019304024 2019304509 2019321539	<u>C05C 1 /-</u>	<u>C07C 229 /-</u>
<u>B60R 17 /-</u>	2019300418	<u>B65D 47 /-</u>	<u>C01B 33 /-</u>	2019302747	2018437303
2019298150	<u>B63B 71 /-</u>	2019276797 2019277458	2019312204	<u>C05C 11 /-</u>	<u>C07C 29 /-</u>
<u>B60R 21 /-</u>	2018425667	<u>B65D 5 /-</u>	<u>C01B 33 /-</u>	2019302747	2019281011
2019308539	<u>B63C 9 /-</u>	2019312213 2019317542	2019312204	<u>C05D 9 /-</u>	<u>C07C 315 /-</u>
<u>B60T 17 /-</u>	2019279484	<u>B65D 51 /-</u>	<u>C01C 1 /-</u>	2019304206	2019281011
2019296377	<u>B63H 20 /-</u>	2019283683 2019302541	2019338106	<u>C05F 1 /-</u>	<u>C07C 67 /-</u>
<u>B60W 30 /-</u>	2019300307	<u>B65D 71 /-</u>	<u>C01G 39 /-</u>	2020300257	2019281011
2019297158	<u>B64C 3 /-</u>	2019312213	2019283439	<u>C05F 11 /-</u>	<u>C07D 207 /-</u>
<u>B61L 15 /-</u>	2019306189	<u>B65D 81 /-</u>	<u>C01G 41 /-</u>	2019282673 2019325466 2020300257	2019284617 2019287528 2019405358
2020275139	<u>B64D 1 /-</u>	2019325454	2019283439	<u>C05F 17 /-</u>	<u>C07D 209 /-</u>
<u>B61L 27 /-</u>	2019300763	<u>B65D 83 /-</u>	2018431765 2019291257 2019312125 2019317516 2019321539	2019280449	2019309852
2020275139	<u>B64F 1 /-</u>	2018431731	<u>C02F 103 /-</u>	<u>C05G 1 /-</u>	<u>C07D 213 /-</u>
<u>B62B 3 /-</u>	2019286487	<u>B65D 85 /-</u>	<u>C02F 11 /-</u>	2020300257	2019301628 2019301811 2019303323
2019296360	<u>B65B 11 /-</u>	2019305163	2019284214	<u>C05G 3 /-</u>	<u>C07D 223 /-</u>
<u>B62B 7 /-</u>	2019319726	<u>B65G 1 /-</u>	<u>C02F 11 /-</u>	2019304206 2020300257	2018434358
2019298091	<u>B65B 13 /-</u>	2019280272 2019280476	2019296279	<u>C05G 5 /-</u>	<u>C07D 231 /-</u>
<u>B62D 33 /-</u>	2019319726	<u>B65G 43 /-</u>	<u>C02F 3 /-</u>	2020300257	2019288275
2019295303	<u>B65B 35 /-</u>	2019286487	2019295766 2019296279	<u>C07B 61 /-</u>	<u>C07D 233 /-</u>
<u>B62J 3 /-</u>	2019300981	<u>B65G 47 /-</u>	<u>C03C 27 /-</u>	2019290130	2019288275
2018424239	<u>B65B 41 /-</u>	2019300981	2018431114	<u>C07C 1 /-</u>	<u>C07D 237 /-</u>
<u>B62J 6 /-</u>	2019319726	<u>B65H 19 /-</u>	<u>C04B 22 /-</u>	2019281011	2019292327 2019302534
2018424239	<u>B65B 5 /-</u>	2019295562	2018427601	<u>C07C 17 /-</u>	<u>C07D 239 /-</u>
<u>B62J 99 /-</u>	2019300981	<u>B66C 23 /-</u>	<u>C04B 28 /-</u>	2019281011	2019288275 2019345827
2018424239	<u>B65B 57 /-</u>	2019285093 2019288915	2018427601	<u>C07C 2 /-</u>	
<u>B63B 21 /-</u>	2019319726			2019309363	
2019300992	<u>B65C 1 /-</u>				
	2019310299				

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<u>C07D 241 /-</u>	2019325658	<u>C07H 21 /-</u>	<u>C08F 2 /-</u>	<u>C09B 57 /-</u>	2019286386
2018434358	<u>C07D 451 /-</u>	2019282673	2019338239		2019290228
2019301811		2019300169		2019300169	2019290544
<u>C07D 261 /-</u>	2019284617	<u>C07K 14 /-</u>	<u>C08F 220 /-</u>		2019291918
	<u>C07D 463 /-</u>		2018430861	<u>C09D 123 /-</u>	2019295779
2019288275		2018434924	2018431885	2019292055	2019298340
<u>C07D 263 /-</u>	2019298749	2019285831	2018432075		2019299970
	<u>C07D 471 /-</u>	2019286554	2019338239	<u>C09D 131 /-</u>	2019300172
2019288275		2019288277	<u>C08F 290 /-</u>	2018431885	2019300911
<u>C07D 277 /-</u>	2019285034	2019290127			2019301053
	2019290722	2019299970	2018430861	<u>C10B 53 /-</u>	2019301750
2019285184	2019295790	2019300911	<u>C08F 4 /-</u>	2020300257	2019304174
2019297214	2019300335	2019301053			2019304384
<u>C07D 307 /-</u>	2019301811	2019301675	2019338239	<u>C10B 57 /-</u>	2019305585
	2019319599	2019305586			2019305586
2019298342	2019324528	2019308317	<u>C08G 63 /-</u>	2020300257	2019308567
2019298749	2019326933	2019308567			2019311596
2019300873	<u>C07D 487 /-</u>	2019313502	2019301835	<u>C10G 1 /-</u>	2019313502
<u>C07D 401 /-</u>		2019320494			2019315688
	2018437303	2019323115	<u>C08H 1 /-</u>	2019297562	2019318079
2019285184	2019290722	2019332792			2019319976
2019282274	2019300335	<u>C07K 16 /-</u>	2019306223	<u>C10G 11 /-</u>	2019320494
2019284617	2019301811	2018432434	<u>C08J 5 /-</u>	2019296817	2019324403
2019287528	2019302732	2019283654		2019297562	2019332792
2019288275	2019314282	2019286554	2019306967	2019322292	2019428629
2019290722	2019320770	2019286795	<u>C08K 5 /-</u>	2019326622	2020268928
2019301628	2019321424	2019286797			<u>C12N 5 /-</u>
2019301679	<u>C07D 491 /-</u>	2019287742	2019338239	<u>C10G 45 /-</u>	2019288277
2019301811		2019290099		2019297562	2019290228
2019302534	2019300335	2019291305	<u>C08L 23 /-</u>		2019291069
2019304392	2019302534	2019291659		<u>C10G 69 /-</u>	2019295576
2019308165	<u>C07D 493 /-</u>	2019293047	2018430861		2019301894
2019309894		2019293157	2019292055	2019297562	2019304174
2019315778	2019298342	2019295855	2019298225		2019304384
<u>C07D 403 /-</u>		2019297324	<u>C08L 31 /-</u>	<u>C11C 1 /-</u>	2019305585
	<u>C07D 495 /-</u>	2019297451			2019305586
2019301679		2019297522	2018431885	2019310346	2019311290
2019301811	2019309894	2019301633	<u>C08L 33 /-</u>	<u>C11D 3 /-</u>	2019311596
2019309894		2019301675			2019315438
<u>C07D 405 /-</u>	<u>C07D 498 /-</u>	2019304174	2018431885	2019339732	<u>C12N 7 /-</u>
		2019304384	<u>C08L 35 /-</u>		2019301053
2018434358	2019296085	2019306543		<u>C12G 3 /-</u>	2019318420
2019282274	<u>C07D 513 /-</u>	2019309210	2018431885	2019320344	2019319976
2019284617		2019311596	<u>C08L 79 /-</u>		<u>C12N 9 /-</u>
2019290333	2019284617	2019311819		<u>C12H 1 /-</u>	2019280990
2019304392		2019324403	2018431885	2019281223	2019281006
<u>C07D 407 /-</u>	<u>C07D 519 /-</u>	<u>C07K 17 /-</u>	2018430861		2019284482
			<u>C08L 89 /-</u>	<u>C12M 1 /-</u>	2019291918
2019281613	2019290722	2019311596			2019295779
<u>C07D 413 /-</u>	2019300335	<u>C07K 19 /-</u>	2019306223	2019281223	2019298340
	<u>C07F 7 /-</u>		<u>C08L 95 /-</u>	2019284218	2019300172
2019282274		2019293772		<u>C12N 1 /-</u>	2019306121
2019284617	2019324528	<u>C07K 7 /-</u>	2019296279		2019308567
2019288275	<u>C07F 9 /-</u>			2019282673	2019315688
2019300169		2019311304	<u>C08L 97 /-</u>	2019290556	2019318079
2019301628	2019288495	<u>C08B 15 /-</u>		2019298340	2019318420
2019302534	2019297572		2019296279	2019304174	2019339732
2019305001	<u>C07H 19 /-</u>	2019304309	<u>C09B 11 /-</u>	2019311596	2019428629
<u>C07D 417 /-</u>		<u>C08B 30 /-</u>		<u>C12N 15 /-</u>	<u>C12P 1 /-</u>
	2019288495		2019300169		2019290556
2019284617	2019290130	2019310214	<u>C09B 23 /-</u>	2018432434	<u>C12P 19 /-</u>
2019297214				2018434176	
2019301628			2019325658	2019280990	2019299527
2019309894				2019281006	

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<u>C12P 21 /-</u>		<u>D06F 73 /-</u>	<u>E04B 2 /-</u>		2019300466
2019304384	<u>C25D 13 /-</u>	2019315262	2019280254	<u>E21B 23 /-</u>	2019300467
	2019285579			2018442360	<u>F04D 29 /-</u>
<u>C12P 3 /-</u>	<u>C25D 17 /-</u>	<u>D21B 1 /-</u>	<u>E04B 9 /-</u>	2019295592	2019295724
2019325466	2019316092	2019304309	2019297601	2019308478	
				<u>E21B 25 /-</u>	<u>F16C 17 /-</u>
<u>C12Q 1 /-</u>	<u>C25D 3 /-</u>	<u>E01C 15 /-</u>	<u>E04C 2 /-</u>	2019312609	2019300410
2019281008	2019285579	2019280282	2019280254	<u>E21B 31 /-</u>	<u>F16C 33 /-</u>
2019286648		<u>E01C 9 /-</u>	2019283594	2019308478	2019300410
2019288835	<u>C25D 5 /-</u>	2019280282	2019311104		
2019290127	2019285579	<u>E01D 15 /-</u>	<u>E04F 13 /-</u>	<u>E21B 33 /-</u>	<u>F16D 49 /-</u>
2019290998		2019280282	2019280254	2018442360	2019309669
2019299704	<u>C25D 9 /-</u>	2019280282	<u>E04G 1 /-</u>	2018442812	<u>F16D 65 /-</u>
2019300172	2019285579	<u>E01F 15 /-</u>	2019284413	2018443518	
2019301750		2019310775	<u>E04G 5 /-</u>	2019290985	2019309669
2019301756	<u>D01F 8 /-</u>	<u>E02B 17 /-</u>	2019284413	2019314342	
2019307835	2019338306	<u>E02D 23 /-</u>		<u>E21B 34 /-</u>	<u>F16J 15 /-</u>
2019311199	<u>D02G 1 /-</u>	2019288915	<u>E04G 7 /-</u>	2018424258	2018442360
2019311596	2019338306	<u>E02D 27 /-</u>	2019284413	2018441849	<u>F16K 3 /-</u>
2019312877		2019417183	<u>E04H 12 /-</u>	<u>E21B 37 /-</u>	2018424258
2020268928	<u>D02G 3 /-</u>	<u>E02D 29 /-</u>	<u>E04H 15 /-</u>	2018443509	<u>F16K 31 /-</u>
	2019338306	2019300466	2019298976	<u>E21B 41 /-</u>	2018441849
<u>C12R 1 /-</u>		2019300467	2019300466	2018443518	<u>F16L 1 /-</u>
2019282673	<u>D03D 1 /-</u>	2019417183	<u>E04H 15 /-</u>	2019290985	2019417183
	2019293146	<u>E02D 29 /-</u>	2019283594	<u>E21B 43 /-</u>	<u>F16L 37 /-</u>
<u>C14B 7 /-</u>	2019338306	2019287193	<u>E04H 17 /-</u>	2018443518	2019280266
2019306223		<u>E02D 27 /-</u>	2019298976	2019280266	2019301081
	2019293146	<u>E02D 29 /-</u>	<u>E05B 19 /-</u>	<u>E21B 47 /-</u>	<u>F16M 11 /-</u>
<u>C21D 9 /-</u>	<u>D03D 11 /-</u>	2019298976	2019309557	2019290985	2019308825
2019296099	2019268590	<u>E02F 3 /-</u>	<u>E05B 47 /-</u>	<u>E21B 7 /-</u>	2019309669
	<u>D03D 13 /-</u>	2018430193	2018431627	2019280266	2019357252
<u>C22B 26 /-</u>	<u>D03D 15 /-</u>	2019294387	<u>E05B 3 /-</u>	2019298957	<u>F16M 13 /-</u>
2019297527	2019268590	<u>E02F 5 /-</u>	<u>E05F 3 /-</u>	<u>E21D 11 /-</u>	2019309669
	<u>D04H 1 /-</u>	2019294387	2019297425	2018431356	<u>F17C 13 /-</u>
<u>C22C 1 /-</u>	<u>D04H 13 /-</u>	<u>E02F 7 /-</u>	<u>E06B 3 /-</u>	<u>E21D 9 /-</u>	2019321980
2019432628	2018431967	2019294387	2018431114	2018431356	<u>F21S 41 /-</u>
	<u>D06C 23 /-</u>	<u>E02F 9 /-</u>	<u>E21B 15 /-</u>	2018431356	2018424239
<u>C22C 19 /-</u>	2018431967	2019294387	<u>E21B 17 /-</u>	<u>F01D 11 /-</u>	<u>F21S 9 /-</u>
2019432628	<u>D06F 33 /-</u>	2019294387	2019298957	2019288461	2018424239
	2019283485	<u>E03D 9 /-</u>	<u>E21B 17 /-</u>	<u>F01K 13 /-</u>	<u>F21W 107 /-</u>
<u>C22C 38 /-</u>	<u>D06F 39 /-</u>	2019301880	2019280266	2019338106	2018424239
2019296099	2019283485	<u>E03F 5 /-</u>	2019295592	<u>F01N 13 /-</u>	<u>F23D 1 /-</u>
	<u>D04H 13 /-</u>	2019287193	<u>E21B 19 /-</u>	2019300307	2019300827
<u>C22F 1 /-</u>	2018431967	<u>E04B 1 /-</u>	2019280266	<u>F03D 13 /-</u>	2020276989
2019432628	<u>D06F 58 /-</u>	2019283594	2019308478	2019288915	
	2019262483	<u>E04B 1 /-</u>	<u>E21B 21 /-</u>		
<u>C23C 18 /-</u>	2019315262	2019283594	2018424258		
2019316092					
<u>C25B 1 /-</u>					
2019300085					
2019302589					
2019317516					
<u>C25B 15 /-</u>					
2019300085					
2019302589					
<u>C25D 11 /-</u>					
2019285579					

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<u>F23D 14 /-</u>		<u>G01G 13 /-</u>	<u>G01V 3 /-</u>	<u>G06F 17 /-</u>	2019373839 2020211640
2019272131	<u>F25D 3 /-</u>	2019300848	2019294550	2019385776	
<u>F24F 1 /-</u>	2019289113	<u>G01H 1 /-</u>	2019294552	<u>G06F 21 /-</u>	<u>G06Q 40 /-</u>
2019286195	2019301320	2019270338	2019357876	2019295715	2019299226
<u>F24F 13 /-</u>	2019325454	<u>G01H 3 /-</u>	<u>G02B 23 /-</u>	2019302646	2019299229
2019286195	<u>F25D 31 /-</u>	2019270338	2019297516	2019306246	2019308539
<u>F24S 10 /-</u>	2019301320	<u>G01N 15 /-</u>	<u>G02B 27 /-</u>	2020211640	<u>G06Q 50 /-</u>
2019301575	<u>F26B 5 /-</u>	2019276567	2019297516	<u>G06F 3 /-</u>	2019277576
<u>F24S 60 /-</u>	2019298656	2019333082	<u>G02B 6 /-</u>	2019290050	2019278989
2019301575	<u>F28D 20 /-</u>	<u>G01N 21 /-</u>	2019338756	2019351790	2019351790
<u>F25B 13 /-</u>	2019280881	2019276567	2019357516	<u>G06F 40 /-</u>	2019373839
2019286195	<u>F28D 21 /-</u>	2019316524	<u>G03B 17 /-</u>	2019278989	2019427992
<u>F25B 15 /-</u>	2019303989	<u>G01N 27 /-</u>	2019308825	<u>G06F 9 /-</u>	<u>G06T 17 /-</u>
2019280881	<u>F28F 3 /-</u>	2019308293	<u>G03B 21 /-</u>	2019287566	2018432853
<u>F25B 17 /-</u>	2019303989	<u>G01N 29 /-</u>	2019297516	2019310344	2019349369
2019280881	<u>F28F 9 /-</u>	2019297412	<u>G05B 11 /-</u>	2019380236	<u>G06T 5 /-</u>
<u>F25B 27 /-</u>	2019303989	2019314579	<u>G05B 13 /-</u>	2019287566	2019302074
2019280881	<u>F42B 3 /-</u>	<u>G01N 33 /-</u>	2019278897	<u>G06K 19 /-</u>	<u>G06T 7 /-</u>
<u>F25B 30 /-</u>	2019296519	2019282329	<u>G05B 15 /-</u>	2019283469	2018429247
2019280881	<u>F42B 33 /-</u>	2019286411	2019294387	2019294714	2018430831
<u>F25C 1 /-</u>	2019299428	2019290130	<u>G05B 23 /-</u>	2019302646	2019303237
2019289113	2019299428	2019290998	2019286526	<u>G06K 9 /-</u>	<u>G06T 9 /-</u>
2019291606	<u>F42B 39 /-</u>	2019300169	<u>G05B 23 /-</u>	2019307872	2019300768
2019299631	2019301736	2019301736	2019300182	2019313665	2019302074
<u>F25C 5 /-</u>	2019301756	2019301750	<u>G05D 1 /-</u>	<u>G06M 1 /-</u>	<u>G07C 1 /-</u>
2019299631	2019301756	2019301756	2019297158	2018431731	2019295715
<u>F25D 11 /-</u>	2019296518	2019304174	2019301825	<u>G06N 20 /-</u>	<u>G07C 5 /-</u>
2019291593	2019296518	2019304522	2019317576	2019306246	2019308539
2019299631	<u>F42B 5 /-</u>	2019311596	<u>G05D 23 /-</u>	<u>G06N 3 /-</u>	<u>G07F 17 /-</u>
<u>F25D 13 /-</u>	2019299428	2019312204	2019278897	2019284379	2019304554
2019278897	2019299431	2019325658	<u>G05D 7 /-</u>	2019289077	<u>G08C 17 /-</u>
<u>F25D 21 /-</u>	<u>F42C 19 /-</u>	2019333082	<u>G05D 23 /-</u>	2019311199	<u>G08C 25 /-</u>
2019286195	2019299428	<u>G01R 31 /-</u>	2019278897	<u>G06N 5 /-</u>	2019311104
<u>F25D 23 /-</u>	2019299431	2019270338	<u>G05D 7 /-</u>	2019284379	<u>G08G 1 /-</u>
2019291593	<u>F42D 1 /-</u>	2020203291	2019300763	2019289077	2019297158
2019299631	2019296518	<u>G01R 33 /-</u>	<u>G06F 1 /-</u>	<u>G06N 7 /-</u>	<u>G09B 23 /-</u>
2019302923	2019296519	2019294550	2019380236	2019284379	2019297158
<u>F25D 25 /-</u>	<u>G01D 3 /-</u>	2019294552	<u>G06F 13 /-</u>	<u>G06Q 10 /-</u>	2019289081
2019336443	2019314579	2019294552	<u>G06F 15 /-</u>	2020211640	2019299229
<u>F25D 29 /-</u>	<u>G01F 1 /-</u>	<u>G01S 13 /-</u>	2019300841	2020264402	<u>G09F 13 /-</u>
2019278897	2019294959	2019293166	2019310344	<u>G06Q 20 /-</u>	2019301449
	<u>G01F 9 /-</u>	<u>G01S 15 /-</u>	2019351790	2019282043	<u>G09F 19 /-</u>
	<u>G01F 9 /-</u>	2019299698	<u>G06F 16 /-</u>	2019290223	2019286487
	2019294387	<u>G01S 7 /-</u>	2019284230	2020264387	
		2019293166	2019300545	<u>G06Q 30 /-</u>	
				2019326787	

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<u>G10L 25 /-</u>	<u>H01M 10 /-</u>	2019287566	<u>H04W 16 /-</u>
2019299453	2019283439	2019302646	2018427373
<u>G16B 30 /-</u>	2019303989	2019306246	
2019287364	<u>H01M 4 /-</u>	2019309241	<u>H04W 24 /-</u>
<u>G16C 20 /-</u>	2019283439	2019319064	2018429021
2019290050		2020275139	2018429076
<u>G16H 10 /-</u>	<u>H01M 50 /-</u>	<u>H04L 5 /-</u>	2019290725
2019285170	2019317267	2018429021	<u>H04W 28 /-</u>
2019287535		2019302968	2018428631
2019287549	<u>H01R 13 /-</u>	2019303767	2019291692
2019287551		<u>H04L 9 /-</u>	<u>H04W 36 /-</u>
2019288751	<u>H01R 31 /-</u>	2019282043	2019290737
2019291871	2019332872	2019285822	
2019299072		2019287566	<u>H04W 4 /-</u>
<u>G16H 20 /-</u>	<u>H01S 3 /-</u>	2019300287	2019314578
2019285170	2019294577	2020211640	2020290407
2019287535	<u>H02J 13 /-</u>	<u>H04M 1 /-</u>	<u>H04W 40 /-</u>
2019287549	2019332872	2018431199	2019314578
2019287551		2019315566	
<u>G16H 50 /-</u>	<u>H02J 3 /-</u>	<u>H04M 3 /-</u>	<u>H04W 48 /-</u>
2019285170	2019286526	2018431199	2019286536
2019287535	2019427992		<u>H04W 72 /-</u>
2019287551	<u>H02J 50 /-</u>	2019302074	2018428626
2019289077		<u>H04N 1 /-</u>	2018429076
<u>G16H 80 /-</u>	2019288453	<u>H04N 13 /-</u>	2018430771
2019288751	<u>H02J 7 /-</u>	2019345715	2018447235
2019289083	2019286776	<u>H04N 19 /-</u>	2019296183
2019317336		2019292266	2019302960
<u>H01F 38 /-</u>	<u>H02M 3 /-</u>	2019292471	2019303436
2019288453	2019286776	2019295574	<u>H04W 74 /-</u>
<u>H01H 19 /-</u>	<u>H02M 5 /-</u>	2019298063	2019296315
2019337291	2019286776	2019298854	<u>H04W 92 /-</u>
<u>H01H 33 /-</u>	<u>H02S 40 /-</u>	2019298855	2018430965
2019357876	2019301575	2019300691	<u>H05B 33 /-</u>
<u>H01H 9 /-</u>	<u>H04B 1 /-</u>	2019302074	2019301449
2019286437	2020290407	2019302075	<u>H05K 7 /-</u>
2019357876	<u>H04B 10 /-</u>	2019303651	2019303989
<u>H01J 49 /-</u>	2019294827	2019306205	
2019308293		2019345715	
<u>H01L 23 /-</u>	<u>H04L 1 /-</u>	<u>H04N 21 /-</u>	
2019282259	2018447235	2019304953	
<u>H01L 25 /-</u>	2019302968	<u>H04N 5 /-</u>	
2019282259	<u>H04L 12 /-</u>	2019301825	
<u>H01L 31 /-</u>	2019284230	<u>H04R 1 /-</u>	
2019343155	2019306517	<u>H04R 9 /-</u>	
	2019314578	2019285890	
	<u>H04L 29 /-</u>	2019285891	
	2019286536	<u>H04W 12 /-</u>	
		2019286536	
		2019319064	
	2019286536		

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 (51) Int. Cl.
 B32B 7/00 (2019.01)
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 B32B 7/06 (2019.01)
 B32B 7/12 (2006.01)
 B32B 15/085 (2006.01)
 B32B 27/08 (2006.01)
 B32B 27/32 (2006.01)
 C09J 5/00 (2006.01)
 C09J 5/06 (2006.01)
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 C09J 7/24 (2018.01)
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 A61K 39/00 (2006.01)
 A61P 35/00 (2006.01)
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F21Y 115/10 (2016.01)
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A61P 25/16 (2006.01)
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C07D 211/26 (2006.01)
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H04N 19/50 (2014.01)
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H04N 19/134 (2014.01)
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H04N 19/196 (2014.01)
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2014333776	Collectis	2016203001	Vale S.A.
2014349828	Institut Pasteur du Cambodge; Centre National de la Recherche Scientifique; Institut Pasteur	2016203819	CI Data Pty Ltd
2014352956	Pacific Edge Limited	2016204071	BERNDORF BADERBAU s.r.o.
2014353973	SUMITOMO CHEMICAL COMPANY, LIMITED; RIKEN	2016205864	Linnane Pharma AB
2014359276	HOOKIPA Biotech GmbH	2016209056	Academia Sinica
2014405639	Tovis Co., Ltd.	2016209249	Medtronic Xomed, Inc.
2014411737	Prysmian S.p.A.	2016211176	Academia Sinica;
2014414495	Sandvik Intellectual Property AB	2016213783	DG International Holdings Limited
2014414750	Rocla Pty Limited	2016219927	GE Nutrients, Inc.
2015204784	President and Fellows of Harvard College	2016222414	DOSS, J.P.; DOSS, A.X.
2015213838	QBD (QS-IP) Limited	2016224409	Chugai Seiyaku Kabushiki Kaisha
2015229186	Capon, D.	2016224760	Nippon Kayaku Kabushiki Kaisha
2015231307	Genzyme Corporation	2016224950	The University of Ottawa
2015252866	Momenta Pharmaceuticals, Inc.	2016228829	Mayo Foundation for Medical Education and Research
2015255327	Zhao, S.	2016229201	The Board of Regents of the University of Texas Sys- tem
2015264519	Children's Medical Center Corporation	2016231111	Transitions Optical, Ltd.
2015264934	Pipeline Induction Heat Ltd.	2016232837	Cardiothrive, Inc.
2015266860	Genzyme Corporation	2016238646	Johnson Matthey Davy Technologies Limited
2015268101	The University of Queensland	2016239411	CyPlus GmbH
2015268586	Fugro N.V.	2016244725	Singnergy Corporation Pte Ltd
2015271937	Al ALPINE US BIDCO INC.	2016245347	Feldan Bio Inc.
2015274506	CSPC Dophen Corporation	2016246032	Metso Minerals, Inc.
2015277645	The University of Florida Research Foundation, Inc.	2016247584	ADC Therapeutics S.A.; MedImmune Limited
2015279086	Janssen Vaccines & Prevention B.V.	2016252122	Kane, T.; Hardy, M.; Cackowski, S.
2015279089	Janssen Vaccines & Prevention B.V.	2016256558	Fronius International GmbH
2015284640	QIAGEN Redwood City, Inc.; QIAGEN GmbH	2016256979	Versantis AG
2015288955	Crane Payment Innovations Limited	2016257113	Devrone Unlimited Company
2015289831	The Penn State Research Foundation	2016257244	The European Union, represented by the European Commission
2015295506	Amst-Systemtechnik GmbH	2016257612	Electrolux Appliances Aktiebolag
2015300776	The General Hospital Corporation	2016260845	Superlab Far East Limited
2015301070	The University of Memphis	2016261702	Bromine Compounds Ltd.
2015301737	Biomadison, Inc.	2016263225	Knudson, E.
2015301791	Water Planet, Inc.	2016268516	ACTEGA Metal Print GmbH
2015303183	Calypso Biotech SA; Merck Patent GmbH	2016269146	Nanobiotix
2015305220	Nectagen, Inc.	2016270877	Enterprises International, Inc.
2015308821	BioMerieux, Inc.	2016272550	Endomagnetics Ltd.
2015311607	Hygro International Pty Limited	2016272555	Sphere Fluidics Limited
2015320685	Tearlab Research, Inc.	2016273436	Dalhousie University
2015321881	Airstrip IP Holdings, LLC	2016276269	Serum Institute of India Private Ltd.
2015325013	Plant Health Care, Inc.	2016276959	Sensormatic Electronics LLC
2015329755	Aveva Solutions Limited	2016276976	Covidien LP
2015330102	Cantab Biopharmaceuticals Patents Limited	2016279741	Coloreel Group AB
2015334035	Sensus Spectrum, LLC	2016280806	Intercept Pharmaceuticals, Inc.; Les Laboratoires Servi- er
2015334651	CGG Services SAS	2016281301	Filigrade B.V.
2015334754	Valbiotix; Universite Blaise Pascal Clermont Ferrand II; Universite de La Rochelle; CNRS	2016282203	Vonex Ltd
2015335629	Baxter Corporation Englewood	2016282636	Leisenberg, W.
2015339452	Wisconsin Alumni Research Foundation	2016286274	Immatics Biotechnologies GmbH
2015339570	The Regents of The University of California; University of Maryland	2016286612	Novozymes A/S
2015342717	Winchester Global Pty Ltd	2016287740	Northgate Technologies Inc.
2015348080	BAE Systems plc	2016287951	Unicharm Corporation
2015359266	Nanotemper Technologies GmbH	2016290010	Terre Armee Internationale
2015364605	Foundation Medicine, Inc.	2016290134	Jennock Limited
2015366578	Etex Services NV	2016290374	Sumitomo Electric Industries, Ltd.
2015370940	Veolia Water Solutions & Technologies Support	2016293129	Nuritas Limited
2015371250	Tobira Therapeutics, Inc.	2016293135	Nuritas Limited
2015372569	TerraPower, LLC	2016293296	De La Rue International Limited
2015376084	Alphawave Golf (Pty) Ltd	2016293818	GE Oil & Gas Pressure Control LP
2015380352	Ecolab USA Inc.	2016294734	BE Pharbel Manufacturing
2015382306	Prysmian S.p.A.	2016294860	BASF SE
2015383881	NantBioScience, Inc.	2016296724	Pearl Therapeutics, Inc.
2015387626	Baoshan Iron & Steel Co., Ltd.	2016297417	Wu, R.
2015397594	ASAP BreatheAssist Pty Ltd	2016302146	Allergan, Inc.

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2016303346	Wisconsin Alumni Research Foundation	2017283125	BYK-Chemie GmbH; BYK USA, Inc.
2016304607	C.M.I. Cerniere Meccaniche Industriali s.r.l.	2017283126	Byk-Chemie GmbH; BYK USA, Inc.
2016304884	Masimo Corporation	2017291838	The Regents of the University of Michigan
2016305079	Quanta Associates, L.P.	2017297187	Qualcomm Incorporated
2016306555	Incyte Corporation	2017302959	Shanghai Yingli Pharmaceutical Co., Ltd
2016311341	President and Fellows of Harvard College	2017307329	Galderma Research & Development; Centre National de la Recherche Scientifique
2016313048	Cetus Technology Ltd	2017307763	Angel Playing Cards Co., Ltd.
2016313955	Ayr Ltd	2017308004	B. Braun Surgical, S. A.; Universitat Politècnica De Catalunya
2016314780	Dynamic Motion, LLC	2017311109	Li-Cor, Inc.
2016315883	Rutgers, The State University of New Jersey	2017315781	Prilenia Neurotherapeutics Ltd
2016317882	Il Dong Pharmaceutical Co., Ltd.	2017321966	Snowflake Inc.
2016317931	Koffeefruit Pte. Ltd.	2017322438	Kemira OYJ
2016319715	VSH Fittings B.V.	2017322952	Sumitomo Chemical Company, Limited
2016320558	Sangen International Limited	2017326614	Blast Motion Inc.
2016321443	BIKALOT COM (PTY) LTD	2017327824	Talend, Inc.
2016322710	Alcon Inc.	2017328040	Qualcomm Incorporated
2016326704	Reata Pharmaceuticals, Inc.	2017328129	Intrexon Actobiotics N.V.
2016330466	Afferent Pharmaceuticals, Inc.	2017329111	Vectus Biosystems Limited
2016333412	Orthofix S.r.l.	2017331466	Bibas, C.
2016336361	Scholl's Wellness Company LLC	2017336123	JX Nippon Exploration and Development Co., Ltd.; JX Nippon Mining & Metals Corporation
2016336445	Wm. Wrigley Jr. Company	2017337335	Square, Inc.
2016338586	AMSilk GmbH	2017346502	Wisk Aero LLC
2016338856	President and Fellows of Harvard College	2017347578	Huawei Technologies Co., Ltd.
2016338970	Essilor International	2017350278	DMT Marine Equipment SA
2016341659	Fresenius Medical Care Deutschland GmbH	2017354086	Friedrich Miescher Institute for Biomedical Research
2016342076	Tower Garden, LLC	2017357453	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2016343928	Georgia Tech Research Corporation; Biosense Webster (Israel) Ltd.	2017372953	Glynn, P.
2016344525	BAE Systems Plc	2017373641	ROSEN Swiss AG
2016344527	BAE Systems Plc	2017375207	Inventio AG
2016348310	Qualcomm Incorporated	2017375819	AM Sciences Inc
2016348524	Neurocrine Biosciences, Inc.	2017376569	Inventio AG
2016350486	Sumitomo Chemical Company, Limited	2017378718	Nicira, Inc.
2016355104	LifeArc	2017379015	Huawei Technologies Co., Ltd.
2016361081	Biointeractions Ltd.	2017382384	The Texas A&M University System
2016361996	HAGER-ELECTRO SAS	2017382436	Arvinas Operations, Inc.; Yale University
2016364702	Atos Medical AB	2017386169	China University of Mining and Technology
2016365306	Butterfly Network, Inc.	2017395527	HotaluX, Ltd.
2016370291	Microsoft Technology Licensing, LLC	2017399126	DuluxGroup (Australia) Pty Ltd
2016372915	Kemira Oyj	2017403690	Huawei Technologies Co., Ltd.
2016375656	Bostik SA	2017405969	Huawei Technologies Co., Ltd.
2016377315	Safedon Limited	2017407719	Huawei Technologies Co., Ltd.
2016379454	The University of British Columbia	2017414413	Huawei Technologies Co., Ltd.
2016383705	Teleflex Life Sciences Unlimited Company	2017415672	Mitsubishi Electric Corporation
2016384951	Sony Corporation	2017418735	Winbo-Dongjian Automotive Technology Co., Ltd.
2016386054	Qualcomm Incorporated	2017421868	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.
2016397939	Guardian Glass, LLC; Guardian Europe S.a.r.l.	2017422549	Essity Hygiene and Health Aktiebolag
2016424413	Huawei Technologies Co., Ltd.	2017427466	Mitsubishi Electric Corporation
2016427789	Hussmann Corporation	2017430862	ZTE Corporation
2017208153	Intrexon Actobiotics N.V.	2017431157	Hiperbaric, S.A.
2017209362	Biomedical Analysis Center, Academy of Military Medical Sciences; Institute of Pharmacology and Toxicology, Academy of Military Medical Sciences	2017440306	Novartis AG
2017210167	Chevron U.S.A. Inc.	2018202803	StubHub, Inc.
2017214625	Caffitaly System S.p.A.	2018205481	Qualcomm Incorporated
2017215651	Sharp Kabushiki Kaisha	2018208231	Dongguan Zhenxing-Beite Medicine Technology Co., Ltd.
2017218599	National University of Ireland, Galway	2018214033	DEKA Products Limited Partnership
2017220582	Hexowheel	2018214222	Acticor Biotech; Université Paris Diderot - Paris 7; Université Paris XIII; INSERM (Institut National de la Santé et de la Recherche Médicale); Université Paris-Sud 11
2017222026	ECOINNO (H.K.) LIMITED	2018217789	Syngenta Participations AG
2017228737	Qualcomm Incorporated	2018218531	Oxford Nanopore Technologies Limited
2017236782	Magic Leap, Inc.	2018222163	Taiho Pharmaceutical Co., Ltd.
2017243515	Advanced New Technologies Co., Ltd.	2018226315	Betta Pharmaceuticals Co., Ltd.
2017256470	SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION; Advanced Protein Technologies Corp.	2018227581	TTI (Macao Commercial Offshore) Limited
2017261229	Amber Kinetics, Inc.	2018229519	Liqr Pop, LLC
2017261841	S.P.C.M. SA	2018231279	Rheinmetall Waffe Munition GmbH
2017267456	Qualcomm Incorporated	2018236210	Gentex Corporation
2017274582	Wildfire Energy Pty Ltd	2018238996	Future Medicine Co., Ltd.
2017275112	Kao Corporation		
2017276357	Digital Soul Technologies Pty Ltd		
2017280873	Qualcomm Incorporated		
2017283085	AMSilk GmbH		

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2018242535	Novartis AG	2018417167	Telefonaktiebolaget LM Ericsson (publ)
2018244275	ACell, Inc.; University of Pittsburgh of the Commonwealth System of Higher Education	2018429363	General Mills, Inc.
2018246903	CEVEC Pharmaceuticals GmbH	2019200136	Dexcom, Inc.
2018249245	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019200335	Incyte Holdings Corporation
2018249487	Daktronics, Inc.	2019200410	TTI (MACAO COMMERCIAL OFFSHORE) LIMITED
2018250252	Nissan Chemical America Corporation	2019200441	Janssen Biotech, Inc.
2018254139	Sumitomo Metal Mining Co., Ltd.	2019200447	Werner Co.
2018255160	Baker Hughes Holdings, LLC	2019200490	Mars, Incorporated
2018256562	bioMérieux	2019200638	Dyax Corp.
2018256666	Parsen Group Pty Ltd	2019200816	Asahi Kasei Kabushiki Kaisha
2018257677	LG Electronics Inc.; Seoul National University R&DB Foundation	2019200839	Eximis Surgical Inc.
2018257981	CCMJ Systems Ltd	2019200965	X-CHEM, INC.
2018258766	Huawei Technologies Co., Ltd.	2019201041	Evolution Engineering Inc.
2018259809	Gree Electric Appliances, Inc. of Zhuhai	2019201048	Murray and Poole Enterprises Limited
2018260888	Zazzle Inc.	2019201147	Butterfly Network, Inc.
2018260938	ATMOSPHERIC & SPACE TECHNOLOGY RESEARCH ASSOCIATES LLC	2019201307	Ablynx NV
2018261124	Eli Lilly and Company	2019201361	Nevro Corporation
2018261818	Huawei Technologies Co., Ltd.	2019201534	Angany Inc.
2018263200	Huawei Technologies Co., Ltd.	2019201635	Caliway Biopharmaceuticals Co., Ltd.
2018263238	LG Electronics Inc.	2019201720	Apple Inc.
2018267289	Korea Research Institute of Standards and Science	2019201794	CROWN EQUIPMENT CORPORATION
2018267685	Westfaelische Wilhelms-Universitaet Muenster	2019201914	Neuroolutions, Inc.
2018269260	Huawei Technologies Co., Ltd.	2019202162	Clover Network, Inc.
2018269972	Ralco Nutrition, Inc.	2019202275	Hangzhou Fuyang Fuxiang Computer Co., Ltd.
2018271993	Odinak, G.; Goldberg, A.	2019202427	VENITAS RESEARCH CENTER INC
2018272826	Hendrickson USA, L.L.C.	2019202583	Solarlytics, Inc.
2018273738	IPS Corporation	2019203149	Fractyl Laboratories Inc.
2018275147	Etubics Corporation	2019203240	Vertex Pharmaceuticals Incorporated
2018278911	President and Fellows of Harvard College	2019203309	La-Z-Boy Incorporated
2018279770	Christian-Albrechts-Universität Zu Kiel	2019203476	Biogen MA Inc.; Sunesis Pharmaceuticals, Inc.
2018280272	Inventprise, LLC	2019203515	Shire Human Genetic Therapies, Inc.
2018282263	Angel Playing Cards Co., Ltd.	2019203624	Illumina Cambridge Limited
2018282396	Bourgault Industries Ltd	2019203680	Baxter International Inc.; Baxter Healthcare SA
2018282403	Cook Medical Technologies LLC	2019203760	Bourgault Industries Ltd.
2018282447	SMART Medical Systems Ltd.	2019203762	Techtronic Power Tools Technology Limited
2018282663	Changzhou Ivorie Shengmei Packaging Technology Co., Ltd.	2019203863	Advanced New Technologies Co., Ltd.
2018295321	Huawei Technologies Co., Ltd.	2019203898	HONEYWELL INTERNATIONAL INC.
2018298190	Huawei Technologies Co., Ltd.	2019203908	Applied Research Associates, Inc.
2018299747	Essity Hygiene and Health Aktiebolag	2019204009	MILWAUKEE ELECTRIC TOOL CORPORATION
2018299899	Qualcomm Incorporated	2019204320	Chint Solar (Zhejiang) Co., Ltd.; Chint New Energy Development (Zhejiang) Co., Ltd.
2018306528	Uber Technologies, Inc.	2019204404	Dropbox, Inc.
2018306941	Motorola Solutions, Inc.	2019204660	The Rockefeller University
2018310636	Nuventura GmbH	2019204883	Spin Master Ltd.
2018314058	LG Electronics Inc.	2019204984	Arbutus Biopharma Corporation
2018316332	Komatsu Ltd.; National University Corporation Yokohama National University	2019206032	Vertex Pharmaceuticals Incorporated
2018316690	Hendrickson USA, L.L.C.	2019206059	The Regents of the University of California
2018320963	3M Innovative Properties Company	2019208199	ConMed Corporation
2018321467	Waymo LLC	2019210545	NTT DOCOMO, INC.
2018328611	BAG Bauartikel GmbH	2019210546	NTT DOCOMO, INC.
2018331314	The Nielsen Company (US), LLC	2019210579	Pfizer Inc.
2018332955	Unilever PLC	2019213441	Apple Inc.
2018341950	Waymo LLC	2019213465	Gliderol Doors (S) Pte Ltd
2018342784	Novartis AG	2019213848	Council of Scientific and Industrial Research
2018354157	Cardiac Pacemakers, Inc.	2019216342	ELC Management LLC
2018366303	American Sterilizer Company	2019216642	Trustees of Boston University
2018374067	Xinjiang Goldwind Science & Technology Co., Ltd.	2019216646	Visa International Service Association
2018381082	Shell Internationale Research Maatschappij B.V.	2019222889	Ergotron, Inc.
2018385598	Cats Tonometer, LLC	2019222893	Fuji Xerox Co., Ltd.
2018387943	Fujikura Ltd.	2019222900	Fuji Xerox Co., Ltd.
2018388705	Symbol Technologies, LLC	2019230492	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2018393002	LISNR, Inc.	2019235774	Boston Scientific Scimed, Inc.
2018400528	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	2019236685	WANDisco, Inc.
2018412820	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019236686	Boehringer Ingelheim Animal Health USA Inc.
2018413360	American Sterilizer Company	2019237715	Wellmarker Bio Co., Ltd.
		2019246808	Caliway Biopharmaceuticals Co., Ltd.
		2019246883	Nien Made Enterprise Co., Ltd.
		2019253817	Heraeus Medical GmbH
		2019257394	W.L. Gore & Associates, Inc.
		2019257449	TAEYOUNG METAL CO.,LTD
		2019261742	Dropbox, Inc.

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2019264593 Wuxi Institute of Technology
2019264646 HUANG, H.
2019268091 Huawei Technologies Co., Ltd.
2019268097 Hollister Incorporated
2019271937 The Regents of the University of Michigan; University of Newcastle upon Tyne
2019275593 Antecip Bioventures II LLC
2019280001 Magic Leap, Inc.
2019280040 NTT DOCOMO, INC.
2019280574 Lifetime Products, Inc.
2019283892 The United States of America, as represented by the Secretary, Department of Health and Human Services
2019284146 Waymo LLC
2019284148 NTT DOCOMO, INC.
2019284150 NTT DOCOMO, INC.
2019320957 Alipay (Hangzhou) Information Technology Co., Ltd.
2019369209 China University of Mining and Technology
2020200059 Intuit Inc.
2020200062 Mandometer AB
2020200071 PayPal, Inc.
2020200141 Proxene Tools Co., Ltd.
2020200167 PepsiCo, Inc.
2020200578 Amazon Technologies, Inc.
2020200638 Schneider Electric Industries SAS
2020200748 Coloplast A/S
2020200912 Novartis AG
2020200975 GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.
2020201154 Waymo LLC
2020201337 Waymo LLC
2020201448 Godo Kaisha IP Bridge 1
2020201655 Precision Planting LLC
2020201706 Cylance Inc.
2020201755 Toughbuilt Industries, Inc.
2020202142 Lemnan Micro Devices SA
2020202225 Motorola Solutions, Inc.
2020202310 SRGI Holdings, LLC
2020202650 Mexichem Fluor S.A. de C.V.
2020203010 Sony Corporation
2020257117 SNIPR Technologies Limited
2020270461 Commonwealth Scientific and Industrial Research Organisation
2020281072 DEKA Products Limited Partnership
2020281181 P.V. Flood Control Corp.

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<u>A01B 49 /-</u>	2018429363	<u>A43D 1 /-</u>	2019208199	<u>A61H 3 /-</u>	2017208153
2019203760	<u>A21D 13 /-</u>	2016336361	2019235774	2017220582	2018244275
<u>A01B 59 /-</u>	2018429363	<u>A47B 25 /-</u>	2019253817	<u>A61H 33 /-</u>	2018275147
2018282396	<u>A22B 7 /-</u>	2018282263	2020202310	2019257449	2020257117
<u>A01C 5 /-</u>	2016257113	<u>A47B 47 /-</u>	<u>A61B 18 /-</u>	<u>A61H 7 /-</u>	<u>A61K 36 /-</u>
2019203760	<u>A22C 9 /-</u>	2016263225	2016343928	2019216342	2015334754
<u>A01C 7 /-</u>	2016257113	<u>A47B 57 /-</u>	2018282403	<u>A61J 3 /-</u>	2016219927
2018282396	<u>A23F 3 /-</u>	2016263225	2019200839	2020200912	2019201635
2019203760	2018332955	<u>A47B 87 /-</u>	2019203149	<u>A61K 31 /-</u>	<u>A61K 38 /-</u>
<u>A01D 34 /-</u>	<u>A23F 5 /-</u>	2016263225	<u>A61B 3 /-</u>	2015229186	2015252866
2019200410	2016317931	<u>A47B 96 /-</u>	2016338970	2015383881	2015268101
2020201655	<u>A23G 3 /-</u>	2016263225	2018385598	2016205864	2015325013
<u>A01G 2 /-</u>	2016336445	<u>A47C 20 /-</u>	<u>A61B 5 /-</u>	2016224760	2015330102
2016342076	2018229519	2019264646	2016304884	2016273436	2016205864
<u>A01G 31 /-</u>	<u>A23K 10 /-</u>	2016427789	2016336361	2016280806	2016229201
2016342076	2016286612	<u>A47F 3 /-</u>	2016338856	2016294734	2016260845
<u>A01M 7 /-</u>	<u>A23L 19 /-</u>	2016427789	2016370291	2016297417	2016286274
2016350486	2016336445	<u>A47G 9 /-</u>	2018261124	2016302146	2016293129
<u>A01N 25 /-</u>	<u>A23L 2 /-</u>	2016213783	2018267289	2016303346	2016293135
2016338586	2020200167	2019264646	2018385598	2016306555	2016317882
<u>A01N 37 /-</u>	<u>A23L 25 /-</u>	2016427789	2019200136	2016326704	2017208153
2018269972	2016336445	<u>A47J 31 /-</u>	2020202142	2016330466	2017283085
<u>A01N 43 /-</u>	<u>A23L 27 /-</u>	2017214625	<u>A61B 8 /-</u>	2016348524	2019203515
2017322952	2016336445	<u>A47J 37 /-</u>	2016343928	2016355104	2019204660
2018217789	2020200167	2019280574	<u>A61B 90 /-</u>	2017209362	2019283892
2019203476	<u>A23L 29 /-</u>	2016213783	2016272550	2017291838	<u>A61K 39 /-</u>
2019236686	2016336445	2019264646	2018413360	2017302959	2014359276
<u>A01N 59 /-</u>	2016336445	<u>A47L 15 /-</u>	<u>A61C 3 /-</u>	2017307329	2015274506
2018269972	<u>A23L 3 /-</u>	2016304607	2015255327	2017315781	2015279086
<u>A01N 63 /-</u>	2016336445	<u>A47L 5 /-</u>	<u>A61F 13 /-</u>	2017329111	2015303183
2017382384	2017222026	2018227581	2016287951	2017382436	2015305220
<u>A01P 1 /-</u>	2017431157	<u>A47L 9 /-</u>	2017422549	2017440306	2016209056
2016338586	2018429363	2018227581	<u>A61F 2 /-</u>	2018208231	2016211176
<u>A01P 3 /-</u>	2016313955	2018257677	2016322710	2018222163	2016224409
2017322952	<u>A24F 47 /-</u>	<u>A61B 1 /-</u>	2016364702	2018226315	2016276269
2019236686	2016313955	2018413360	2017218599	2018238996	2016317882
<u>A01P 7 /-</u>	<u>A42B 1 /-</u>	2019235774	2019257394	2018242535	2017208153
2019236686	2018236210	<u>A61B 17 /-</u>	<u>A61F 5 /-</u>	2018342784	2018214222
<u>A21C 11 /-</u>	<u>A42B 3 /-</u>	2016333412	2015255327	2019200335	2018275147
	2018236210	2019200839	2015397594	2019200490	2018280272
		2019203149	2020200748	2019201635	2019201307
			<u>A61F 7 /-</u>	2019203240	2019210579
			2017220582	2019203476	<u>A61K 45 /-</u>
			<u>A61H 19 /-</u>	2019204984	2016224409
				2019236686	2018275147
				2019237715	2020200975
				2019271937	<u>A61K 47 /-</u>
				2019275593	2015301070
				2020200912	2016224760
				2020200975	2016247584
				2020202650	2016276269
				2020257117	2016379454
				<u>A61K 33 /-</u>	2018222163
				2016269146	2018275147
				<u>A61K 35 /-</u>	2019236686
				2015301070	<u>A61K 48 /-</u>
				2016222414	2017354086
				2016229201	

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2017375819	2016383705 2019268097	2017440306 2018208231 2018342784	2020200975 2020257117	<u>B01D 33 /-</u>	2016246032 2018256666
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2016228829	2019257394	2016224409	2016224409 2016280806 2016379454	<u>B01D 35 /-</u>	2016246032
<u>A61K 9 /-</u>	<u>A61M 5 /-</u>	<u>A61P 25 /-</u>	2017208153 2018208231 2018342784 2019200335 2020257117	2014414750	<u>B04B 13 /-</u>
2015264519 2015301070 2015330102 2016228829 2016256979 2016269146 2016294734 2017375819 2018238996 2018244275 2019201048 2019201307 2019201635 2019204984 2019236686 2019246808 2019257394 2020202650	2019216642 2019253817	2016224409 2016348524 2016355104 2018242535 2018342784 2019275593	<u>A61P 5 /-</u>	<u>B01D 36 /-</u>	2015301791
	<u>A61M 60 /-</u>		2015268101 2016219927 2016224409	2015342717	<u>B05B 12 /-</u>
	2020281072		<u>A61P 7 /-</u>	<u>B01D 37 /-</u>	2016350486
	<u>A61N 1 /-</u>	<u>A61P 27 /-</u>	2016224409 2016273436 2017302959	2017261841	<u>B05C 17 /-</u>
	2016232837 2018354157 2019201361 2019201914 2019206059	2016224409 2016273436 2017302959	<u>A61P 9 /-</u>	<u>B01D 61 /-</u>	2019253817
	<u>A61N 2 /-</u>	<u>A61P 29 /-</u>	2016224409 2016297417	2015301791 2019200816	<u>B05D 1 /-</u>
	2019202427	2016224409 2016280806 2016302146 2016326704 2018208231 2018342784 2019201048	<u>A61P 11 /-</u>	<u>B01D 63 /-</u>	2016268516
<u>A61L 2 /-</u>	<u>A61N 5 /-</u>		2015334754 2016224409 2016273436 2016280806 2017329111 2018342784	2019200816	<u>B06B 1 /-</u>
2019203680	2016269146	<u>A61P 3 /-</u>	<u>A61P 9 /-</u>	<u>B01D 67 /-</u>	2019201147
<u>A61L 24 /-</u>	<u>A61P 1 /-</u>	2015268101 2015334754 2016224409 2016280806 2017208153 2017302959 2018342784 2019201635	<u>A61P 9 /-</u>	2016224950	<u>B07C 5 /-</u>
2020200748	2016224409 2016280806	2015268101 2015334754 2016224409 2016280806 2017208153 2017302959 2018342784 2019201635	<u>A61Q 11 /-</u>	<u>B01D 69 /-</u>	2016281301
<u>A61L 27 /-</u>	<u>A61P 11 /-</u>		2019271937	2019200816	<u>B08B 3 /-</u>
2017308004 2018244275	2016224409 2016302146 2017329111 2018208231 2018244275 2018342784 2020202650		<u>A63B 24 /-</u>	<u>B01F 13 /-</u>	2018282447
<u>A61L 29 /-</u>			2017326614	2019200816	<u>B08B 9 /-</u>
2016361081		<u>A61P 31 /-</u>	<u>A63B 69 /-</u>	<u>B01F 15 /-</u>	2015264934
<u>A61M 1 /-</u>		2017302959 2018244275 2018342784 2019204660	2015376084	2019253817	2019204009
2016256979 2016341659 2018214033 2019202427 2019203680 2020281072	<u>A61P 13 /-</u>		<u>A63F 1 /-</u>	2019253817	<u>B23P 15 /-</u>
	2016224409 2016280806 2017302959 2017329111 2018208231 2018342784		2017307763	<u>B01F 3 /-</u>	2018374067
		<u>A61P 35 /-</u>	<u>A63F 13 /-</u>	2019253817	<u>B24C 3 /-</u>
<u>A61M 11 /-</u>		2016209056 2016224409 2016224760 2016247584 2016260845 2016280806 2016355104 2016379454 2017209362 2017291838 2017302959 2018208231 2018222163 2018226315 2018342784 2019200335 2019201048 2019203240 2019237715 2020200912	<u>A63H 13 /-</u>	2016311341	2015264934
2016313955			<u>A63H 27 /-</u>	<u>B01J 19 /-</u>	<u>B23B 45 /-</u>
<u>A61M 13 /-</u>	<u>A61P 15 /-</u>		2016344525	2016311341	2019204009
2016287740	2016219927 2016224409		<u>B01D 21 /-</u>	<u>B01L 3 /-</u>	2020200141
<u>A61M 15 /-</u>	<u>A61P 17 /-</u>		2017261841	<u>B01L 7 /-</u>	<u>B25B 21 /-</u>
2016296724 2016313955	2015301070 2016224409 2017302959 2019200335		<u>B01D 27 /-</u>	2015359266	2016364702
			2015342717	<u>B01L 9 /-</u>	<u>B25B 27 /-</u>
<u>A61M 16 /-</u>			<u>B01D 3 /-</u>	2015359266	2019204009
2016296724 2016364702 2016383705	<u>A61P 19 /-</u>		2016238646	<u>B02C 1 /-</u>	<u>B25J 11 /-</u>
<u>A61M 25 /-</u>	2015301070 2016224414 2016224409 2017302959			2014414495	2018257677
2016276976				<u>B02C 17 /-</u>	<u>B25J 19 /-</u>
				2018256666	2018257677
				<u>B02C 2 /-</u>	

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<u>B25J 5/-</u>			<u>B66B 11/-</u>	2016273436	<u>C07D 265/-</u>
2018257677	<u>B41M 3/-</u>	<u>B62J 11/-</u>	2017386169	<u>C07C 271/-</u>	2017209362
	2016293296	2016321443		2017209362	<u>C07D 295/-</u>
<u>B25J 9/-</u>	<u>B41M 5/-</u>	<u>B62J 99/-</u>	<u>B66B 23/-</u>	2017375207	2016379454
2018257677	2016268516	2016321443	2017375207	<u>C07C 275/-</u>	
<u>B26B 1/-</u>	<u>B41M 7/-</u>	<u>B62K 13/-</u>	<u>B66B 25/-</u>	2016302146	<u>C07D 305/-</u>
2020201755	2016293296	2016290134	2017375207	<u>C07C 317/-</u>	2016379454
<u>B26B 11/-</u>	<u>B44D 3/-</u>	<u>B63B 21/-</u>	<u>B66B 5/-</u>	2016273436	<u>C07D 307/-</u>
2020201755	2017399126	2017350278	2017376569	<u>C07C 401/-</u>	2016273436
<u>B26F 1/-</u>	<u>B60B 27/-</u>	<u>B63H 1/-</u>	2017386169	2016303346	<u>C07D 311/-</u>
2018429363	2018272826	2016313048	2019369209	<u>C07C 50/-</u>	2016273436
<u>B29C 45/-</u>	<u>B60D 1/-</u>	<u>B63H 19/-</u>	<u>B81B 1/-</u>	2016273436	<u>C07D 317/-</u>
2018299747	2018282396	2016313048	2015320685	<u>C07C 67/-</u>	2016273436
<u>B29C 64/-</u>	<u>B60G 11/-</u>	<u>B64C 27/-</u>	2016224950	2016238646	<u>C07D 401/-</u>
2017331466	2018316690	2017346502	<u>C01B 25/-</u>	<u>C07C 69/-</u>	2016348524
<u>B29C 67/-</u>	<u>B60G 7/-</u>	<u>B64C 29/-</u>	2017308004	2017209362	2017382436
2017331466	2018316690	2016344525	<u>C01B 33/-</u>	<u>C07D 209/-</u>	2017440306
<u>B29C 70/-</u>	<u>B60G 9/-</u>	2016344527	2017283125	2019203624	2019203476
2015348080	2018316690	<u>B64C 39/-</u>	2017283126	<u>C07D 211/-</u>	<u>C07D 403/-</u>
<u>B31D 1/-</u>	<u>B60K 28/-</u>	2016344527	<u>C01F 7/-</u>	2016306555	2015371250
2016270877	2016370291	<u>B64F 1/-</u>	2017261841	2016348524	2017291838
<u>B31F 1/-</u>	<u>B60Q 1/-</u>	2017395527	<u>C02F 1/-</u>	<u>C07D 213/-</u>	2017329111
2016270877	2017418735	<u>B65B 35/-</u>	2015370940	2016261702	<u>C07D 405/-</u>
<u>B32B 15/-</u>	<u>B60R 9/-</u>	2016377315	<u>C02F 11/-</u>	<u>C07D 215/-</u>	2016273436
2016290374	2016321443	<u>B65B 63/-</u>	2016244725	2016273436	2017302959
2018320963	2017418735	2016377315	2017261841	<u>C07D 225/-</u>	2017440306
<u>B32B 27/-</u>	<u>B60T 7/-</u>	<u>B65D 43/-</u>	<u>C03C 17/-</u>	2015371250	2018217789
2018320963	2018282396	2016204071	2016397939	<u>C07D 213/-</u>	<u>C07D 409/-</u>
<u>B32B 29/-</u>	<u>B60T 8/-</u>	<u>B65D 63/-</u>	<u>C04B 16/-</u>	2017322952	2017329111
2016270877	2018282396	2016270877	2015366578	<u>C07D 233/-</u>	<u>C07D 413/-</u>
<u>B32B 3/-</u>	<u>B60W 30/-</u>	2016321443	<u>C04B 28/-</u>	2017329111	2017291838
2010201392	2018321467	<u>B65D 65/-</u>	2018381082	<u>C07D 239/-</u>	2017329111
<u>B32B 7/-</u>	2019284146	2016270877	<u>C04B 35/-</u>	2016273436	<u>C07D 417/-</u>
2018320963	<u>B60W 40/-</u>	<u>B65D 83/-</u>	2016282636	2016330466	2017329111
<u>B41F 19/-</u>	2016370291	2018282663	2018255160	<u>C07D 241/-</u>	2017382436
2016268516	2018321467	<u>B65F 1/-</u>	2018279770	2017329111	<u>C07D 471/-</u>
<u>B41J 3/-</u>	<u>B60W 50/-</u>	2016320558	<u>C05D 9/-</u>	<u>C07D 261/-</u>	2016273436
2016279741	2018321467	<u>B65G 67/-</u>	2018269972	2019236686	2017382436
<u>B41M 1/-</u>	2019284146	2018388705	<u>C07C 211/-</u>	<u>C07D 263/-</u>	2017440306
2016293296	<u>B62B 7/-</u>		2019204984	2016273436	2018226315
	2016314780		<u>C07C 229/-</u>		2019200335
					<u>C07D 487/-</u>
					2016379454

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2018208231	2015325013		C11D 17 /-	C22B 23 /-	D06F 58 /-
2019200335	2016222414	C08K 5 /-			
2019206032	2016245347		2017275112	2018254139	2018314058
2020200912	2016260845	2016294860			
C07D 495 /-	2016276269		C11D 3 /-	C22B 3 /-	D06F 89 /-
	2016286274	C08L 29 /-			
2019237715	2016286612	2019213848	2017275112	2016239411	2016377315
	2016293129		C12M 1 /-	C22B 5 /-	D06P 5 /-
C07D 498 /-	2016293135	C08L 33 /-			
	2017283085		2016315883	2018254139	2016279741
2018342784	2017328129	2015339570	C12N 1 /-	C22C 33 /-	D21H 11 /-
	2018218531				
C07D 513 /-	2018246903	C08L 63 /-	2017208153	2018254139	2016372915
	2018267685				2017222026
2016355104	2019210579	2017283126	C12N 13 /-	C22C 38 /-	D21H 17 /-
	2019283892				
C07D 519 /-	C07K 16 /-	C08L 67 /-	2016315883	2015387626	
					2016372915
2016355104	2015231307	2017283125	C12N 15 /-	C25F 7 /-	2017322438
2018226315	2015266860	2017283126			
C07F 5 /-	2015268101	C08L 75 /-	2014359276	2016224950	D21H 21 /-
	2015279086		2015204784		
2015371250	2015279089	2016375656	2015325013	C40B 40 /-	2016372915
	2015289831		2016286612		2017322438
C07F 9 /-	2015303183	C09B 23 /-	2017208153	2018278911	
	2015305220		2017256470		D21H 23 /-
2016273436	2015339452	2019203624	2017283085	C40B 50 /-	
2018342784	2016211176		2017354086		2017322438
	2016247584	C09D 139 /-	2018278911	2019200965	
C07H 15 /-	2018214222		2019201534		E01F 15 /-
	2019200441	2016361081		D01D 5 /-	
2016297417	2019200638		C12N 5 /-	2015366578	2020281181
C07H 21 /-	C07K 19 /-	C09J 5 /-			
			2014324102	D01F 6 /-	E02B 3 /-
2018278911	2015252866	2018320963	2014353973		2020281181
	2015268101	C09J 7 /-	2016245347	2015366578	
C07J 31 /-	2016245347				E02B 7 /-
	2016317882	2018320963	C12N 9 /-	D02G 3 /-	
2016273436	2018267685				2020281181
		C09K 8 /-	2018246903	2016270877	
C07J 41 /-	C07K 5 /-				E02D 17 /-
		2015380352	C12P 19 /-	D03J 1 /-	
2016280806	2016302146	2018250252			2018257981
2016379454		2018381082	2017256470	2016279741	E02D 19 /-
	C07K 7 /-	C10G 9 /-	2018278911		
C07J 43 /-				D04B 35 /-	2018257981
	2016245347	2019203908	C12P 21 /-	2016279741	
2016280806					E02D 29 /-
2016379454	C08B 37 /-	C10J 3 /-	2015305220	D05B 67 /-	
			2015325013		2016204071
C07J 5 /-	2017307329	2017274582	2018246903	2016279741	2016290010
					2018257981
2016379454	C08F 8 /-	C10L 10 /-	C12Q 1 /-	D05C 11 /-	
					E02D 5 /-
C07J 63 /-	2015266860	2015380352	2014333776	2016279741	
			2014349828		2018257981
2016326704	C08G 18 /-	C10L 3 /-	2015301737	D06B 1 /-	
			2018256562		E02F 9 /-
C07J 71 /-	2016375656	2015380352	C12R 1 /-	2016279741	
					2016201912
2016326704	C08G 65 /-	C10M 169 /-	2016239411	D06B 23 /-	
			2017208153		E03F 1 /-
C07J 9 /-	2016224760	2016361081		2016279741	
			C21D 8 /-		2014414750
2016280806	C08G 81 /-	C10M 173 /-		D06F 21 /-	
			2015387626		E03F 5 /-
C07K 1 /-	2016224760	2016361081	C22B 1 /-	2017275112	
					2014414750
2015266860	C08K 3 /-	C11D 1 /-	2018254139	D06F 39 /-	2018273738
C07K 14 /-	2017283125	2017275112		2018314058	E04G 1 /-
2015301737	2017283126				

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2019200447	2015342717	<u>F16L 13 /-</u>		<u>G01N 27 /-</u>	<u>G02B 1 /-</u>
<u>E04G 5 /-</u>	<u>F02D 35 /-</u>	2016319715	<u>F28F 25 /-</u>	2016315883	2016231111
2019200447	2015271937	<u>F17D 1 /-</u>	2010201392	2017311109	<u>G02B 26 /-</u>
<u>E05B 73 /-</u>	<u>F02D 41 /-</u>	2015380352	<u>F28F 7 /-</u>	<u>G01N 29 /-</u>	2017331466
2016276959	2015271937	<u>F21S 2 /-</u>	2017372953	2016311341	2019280001
<u>E05F 1 /-</u>	<u>F03B 17 /-</u>	2017395527	<u>F28G 15 /-</u>	<u>G01N 33 /-</u>	<u>G02B 27 /-</u>
2016304607	2015268586	<u>F21V 14 /-</u>	2016252122	2014352956	2019280001
<u>E06B 1 /-</u>	2016313048	2018413360	<u>F41H 13 /-</u>	2015213838	<u>G02B 6 /-</u>
2016427789	<u>F03D 13 /-</u>	<u>F21V 29 /-</u>	2018231279	2015300776	2014411737
<u>E06B 3 /-</u>	2018374067	2017395527	<u>F42D 1 /-</u>	2015303183	2018387943
2016427789	2018400528	<u>F21V 5 /-</u>	2016203001	2015320685	<u>G02C 7 /-</u>
<u>E06B 9 /-</u>	<u>F03D 80 /-</u>	2018413360	<u>G01B 11 /-</u>	2015339452	2016338970
2019213465	2018400528	<u>F21V 7 /-</u>	2016336361	2016205864	<u>G05B 13 /-</u>
2019246883	<u>F04B 43 /-</u>	2015311607	2018341950	2016209056	2018261124
<u>E21B 33 /-</u>	2017431157	<u>F21W 111 /-</u>	<u>G01C 21 /-</u>	2016315883	<u>G05B 15 /-</u>
2016293818	<u>F04D 29 /-</u>	<u>F21Y 115 /-</u>	2019213441	2017336123	2019203624
2018255160	2017427466	2017395527	<u>G01D 4 /-</u>	2019203624	<u>G01N 35 /-</u>
<u>E21B 34 /-</u>	<u>F16B 12 /-</u>	<u>F21Y 115 /-</u>	2015334035	2016272555	2018261124
2018255160	2016263225	2017395527	<u>G01F 17 /-</u>	<u>G01R 19 /-</u>	<u>G05B 19 /-</u>
<u>E21B 43 /-</u>	<u>F16B 17 /-</u>	<u>F23G 5 /-</u>	2018388705	2020202225	2019204009
2015380352	2016364702	2017274582	<u>G01G 19 /-</u>	<u>G01R 31 /-</u>	2019204009
2016293818	<u>F16B 21 /-</u>	<u>F24F 1 /-</u>	2020200062	2016256558	<u>G05B 23 /-</u>
2017274582	2018366303	2018259809	<u>G01G 21 /-</u>	2020202225	2019203898
<u>E21B 44 /-</u>	<u>F16C 13 /-</u>	<u>F24F 13 /-</u>	2020200062	<u>G01S 13 /-</u>	2019203898
2019201041	2016244725	2017415672	<u>G01L 23 /-</u>	2015376084	<u>G05D 1 /-</u>
<u>E21B 47 /-</u>	<u>F16D 65 /-</u>	2018259809	2015271937	2018260938	2018316332
2019201041	2018272826	<u>F24F 6 /-</u>	<u>G01M 17 /-</u>	<u>G01S 15 /-</u>	2019200410
<u>E21B 7 /-</u>	<u>F16F 1 /-</u>	2010201392	2019201794	2015268586	2019246883
2019201041	2018316690	<u>F26B 17 /-</u>	<u>G01N 1 /-</u>	2019201147	2019284146
<u>E21C 37 /-</u>	<u>F16F 15 /-</u>	2016244725	2015376084	2020201154	2020201154
2016203001	2017261229	<u>F26B 23 /-</u>	2018260938	<u>G01S 17 /-</u>	2020201337
<u>E21C 41 /-</u>	<u>F16J 12 /-</u>	2016244725	<u>G01S 19 /-</u>	2020201154	<u>G06F 11 /-</u>
2016201912	2017431157	<u>F26B 3 /-</u>	2019201794	<u>G01S 19 /-</u>	2018306528
<u>E21D 11 /-</u>	<u>F16J 13 /-</u>	2016244725	2015300776	<u>G01S 19 /-</u>	2019236685
2018328611	2017431157	<u>F27B 13 /-</u>	2015320685	2015376084	<u>G06F 12 /-</u>
<u>E21F 17 /-</u>	<u>F16J 15 /-</u>	2016282636	2015339570	2018260938	2020200059
2016201912	2018255160	<u>F27B 9 /-</u>	2018279770	<u>G01S 7 /-</u>	<u>G06F 13 /-</u>
<u>F01M 1 /-</u>	<u>F16K 17 /-</u>	2016282636	<u>G01N 13 /-</u>	2019201147	2017321966
2015342717	2017373641	<u>F28D 20 /-</u>	<u>G01N 15 /-</u>	2020201154	<u>G06F 15 /-</u>
<u>F01M 11 /-</u>	2017372953	2017372953	2016257244	<u>G01V 1 /-</u>	<u>G06F 15 /-</u>
			2016272555	2015268586	2020200071
			2016315883	2015334651	<u>G06F 16 /-</u>
			2017336123	2017210167	2015364605
				<u>G01V 8 /-</u>	2017321966
				2016350486	2017414413
				2017336123	2019222893
				<u>G01V 99 /-</u>	<u>G06F 17 /-</u>
				2016201912	2017321966

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<u>G06F 21 /-</u>	<u>G06T 17 /-</u>	<u>G10L 25 /-</u>	<u>H02G 1 /-</u>	<u>H03K 5 /-</u>	2016282203 2019268091
2017236782 2019201720 2019203863 2019222893 2019222900 2020200059 2020200071	2015329755 2017331466	2019280040	2016305079	2018306941	<u>H04N 13 /-</u>
	<u>G06T 19 /-</u>	<u>G11C 11 /-</u>	<u>H02G 7 /-</u>	<u>H03K 7 /-</u>	2020270461
	2019280001	2015277645	2016305079	2018306941	<u>H04N 19 /-</u>
<u>G06F 3 /-</u>	<u>G06T 7 /-</u>	<u>G16B 20 /-</u>	<u>H02H 3 /-</u>	<u>H03M 7 /-</u>	2019210545 2019210546 2019284148 2019284150 2020203010
2017236782 2017243515 2017321966 2017407719 2019200136 2019202275 2019268091	2018282263 2018341950	2015284640	2016361996 2020200638	2019261742	
	<u>G07B 15 /-</u>	<u>G16H 10 /-</u>	<u>H02H 7 /-</u>	<u>H04B 1 /-</u>	
	2018271993	2015284640 2015321881 2015335629	2019203309	2018306941 2018412820	<u>H04N 21 /-</u>
<u>G06F 7 /-</u>	<u>G07C 11 /-</u>	<u>G21K 5 /-</u>	<u>H02J 3 /-</u>	<u>H04B 11 /-</u>	2018205481 2018299899 2018331314
2017321966	2018282263	2015372569	2016256558 2019202583	2018393002	
	<u>G07D 5 /-</u>	<u>H01B 3 /-</u>	<u>H02J 7 /-</u>	<u>H04B 3 /-</u>	<u>H04N 5 /-</u>
	2015288955	2015382306	2018249245 2019202583 2019222889 2020202225	2019201041	2019230492 2020270461
<u>G06F 8 /-</u>	<u>G07F 11 /-</u>	<u>H01F 41 /-</u>		<u>H04B 7 /-</u>	<u>H04N 7 /-</u>
2017327824	2016203819	2016209249		2016384951 2020201448	2017326614 2020270461
<u>G06F 9 /-</u>	<u>G07F 7 /-</u>	<u>H01H 1 /-</u>	<u>H02K 21 /-</u>	<u>H04L 1 /-</u>	
2017327824 2017347578 2017378718 2019213441 2020200578 2020201706	2016203819	2018310636	2019203762	2017228737 2017430862 2018417167 2020201448	<u>H04N 9 /-</u>
	<u>G08B 13 /-</u>	<u>H01H 31 /-</u>	<u>H02K 29 /-</u>		2020270461
	2016276959	2018310636	2019203762		<u>H04Q 9 /-</u>
<u>G06K 9 /-</u>	<u>G08B 21 /-</u>	<u>H01J 49 /-</u>	<u>H02K 5 /-</u>	<u>H04L 12 /-</u>	2015334035
2017243515 2017326614 2018331314 2018341950 2019204404	2016370291	2015308821	2017261229 2019203762	2016282203 2017378718	<u>H04W 12 /-</u>
	<u>G08C 23 /-</u>	<u>H01L 31 /-</u>	<u>H02K 7 /-</u>	<u>H04L 27 /-</u>	2017328040
	2018393002	2016290374 2019202583 2019204320	2017261229	2017297187 2018298190 2018393002	<u>H04W 16 /-</u>
<u>G06N 3 /-</u>	<u>G08G 1 /-</u>	<u>H01L 41 /-</u>	<u>H02M 1 /-</u>	<u>H04L 29 /-</u>	2016386054 2017297187
2015277645	2017421868	2016343928	2019203309	2017280873 2017328040 2019201720 2019203898 2019204404 2019320957	<u>H04W 28 /-</u>
<u>G06Q 20 /-</u>	<u>G09B 9 /-</u>	<u>H01M 10 /-</u>	<u>H02M 3 /-</u>		2018258766 2018263200 2020201448
2019202162	2015295506	2016261702	2016256558		
<u>G06Q 30 /-</u>	<u>G09F 13 /-</u>	<u>H01M 12 /-</u>	<u>H02M 7 /-</u>	<u>H04L 5 /-</u>	<u>H04W 4 /-</u>
2017337335 2018202803 2020200071	2018249487	2016261702	2016256558	2016386054 2017267456 2017297187 2017430862 2018412820 2018417167	2017267456 2018271993
	<u>G09F 27 /-</u>	<u>H01M 2 /-</u>	<u>H02S 40 /-</u>		<u>H04W 48 /-</u>
	2018249487	2019264593	2019202583 2019204320		2018295321
<u>G06Q 50 /-</u>	<u>G09F 9 /-</u>	<u>H01M 8 /-</u>	<u>H02S 50 /-</u>	<u>H04L 9 /-</u>	<u>H04W 52 /-</u>
2015321881 2015335629 2017337335 2018388705 2020201337	2014405639 2018249487	2016261702	2016256558	2019216646 2019320957 2020200059 2020200071	2017267456 2018263238 2018417167
	<u>G10K 11 /-</u>	<u>H01P 1 /-</u>	<u>H03F 1 /-</u>		<u>H04W 56 /-</u>
<u>G06T 15 /-</u>	2019201147	2016365306	2016365306		2017297187
2015329755 2018260888 2019280001	<u>G10L 19 /-</u>	<u>H01Q 1 /-</u>	<u>H03H 7 /-</u>	<u>H04M 1 /-</u>	<u>H04W 72 /-</u>
	2017357453 2019280040	2017379015	2016365306		

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2015414651
2016386054
2016424413
2017215651
2017267456
2017403690
2017405969
2017430862
2018261818
2018263200
2018263238
2018269260

H04W 74 /-

2016348310
2016386054
2017297187

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Certified Innovation Patents

Name Index

(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

(71) Advanced Fleet Signs Pty Ltd
 (11) AU-B-2020101575
 (21) 2020101575 (22) 30.07.2020
 (54) Sign Module
 (51) Int. Cl.
 G09F 7/02 (2006.01)
 G09F 13/06 (2006.01)
 G09F 13/10 (2006.01)
 (45) 28.01.2021
 (62) 2020207784
 (72) Russell, Damien; Khoury, Edward
 Joseph
 (74) Armour IP Pty Ltd

B29C 63/02 (2006.01)
B29C 63/48 (2006.01)
B62J 15/04 (2006.01)
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 (72) McKee, Ian; Hepworth, Luke
 (74) FB Rice Pty Ltd

(71) Apple Inc.
 (11) AU-B-2020102658
 (21) 2020102658 (22) 09.10.2020
 (54) User interfaces for subscription applica-
 tions
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 G06F 3/048 (2013.01)
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 (72) PHILLIPS, Joseph Stanley; MAGNANI,
 Joseph Andrew; EVASHEVSKI, Mi-
 chael; ROFMAN, Alex; THAI, Ann M.;
 GROMEK, Monika E.; BENNETT, Colin;
 LIU, Terry Y.; WASKAN-LUI, Sonja
 (74) FPA Patent Attorneys Pty Ltd

(71) Polaris IP Pty Ltd
 (11) AU-B-2020102918
 (21) 2020102918 (22) 21.10.2020
 (54) Hinge
 (51) Int. Cl.
 E05D 11/10 (2006.01)
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 (62) 2017201858
 (72) STUART, Michael Christopher
 (74) Spruson & Ferguson

(71) Rattlejack Innovations Pty Ltd
 (11) AU-B-2020100611
 (21) 2020100611 (22) 22.04.2020
 (54) A safety plug
 (51) Int. Cl.
 E21B 33/12 (2006.01)
 (45) 28.01.2021
 (62) 2018214065
 (72) Sutton, Leigh Maurice
 (74) FB Rice Pty Ltd

(71) Truckmate Australia Pty Limited
 (11) AU-B-2019100322
 (21) 2019100322 (22) 26.03.2019
 (54) Mudflap
 (51) Int. Cl.

Numerical Index

2019100322 Truckmate Australia Pty Limited
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G06F 3 /-

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G06Q 30 /-

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G09F 13 /-

2020101575

G09F 7 /-

2020101575

Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Lodged

- 2008202373 **CTA Australia Pty Ltd (EIGEN TECHNOLOGY PTY LTD)**
- 2018204209 **Fred Hutchinson Cancer Research Center; Seattle Children's Hospital d/b/a Seattle Children's Research Institute (Rozenberg & Co Pty Ltd)**

Applications Withdrawn

- 2013351261 **K-fee System GmbH (Anderson, S.)**

Patents Granted

Standard Patents

2014268509	2014296200	2014331523	2014348302
2014348305	2014375402	2015201875	2015209783
2015214404	2015219008	2015223056	2015227056
2015227497	2015250770	2015253232	2015257289
2015258277	2015259510	2015259567	2015261422
2015267190	2015271654	2015295067	2015295499
2015303498	2015308591	2015313807	2015315454
2015315608	2015318901	2015321444	2015327076
2015328645	2015330758	2015332220	2015333767
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2015341831	2015343509	2015344361	2015349579
2015352396	2015356324	2015356909	2015357574
2015358958	2015360746	2015364437	2015373505
2015374329	2015386280	2015387169	2015391054
2015398256	2015402210	2015406992	2016201057
2016201711	2016203323	2016204923	2016205061
2016207702	2016214618	2016215409	2016219253
2016219906	2016220402	2016224108	2016228002
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2020104215	2020104307		

Revocation

It is hereby notified that the offer by the Patentee **CONTOLEON, G.** to surrender Patent 2020101623 which was advertised in the Official Journal of 03.12.2020 has been accepted and the Patent has been revoked in accordance with Section 137 of the Patents Act.

It is hereby notified that the offer by the Patentee **Eswaran, S.** to surrender Patent 2020101901 which was advertised in the Official Journal of 08.10.2020 has been accepted and the Patent has been revoked in accordance with Section 137 of the Patents Act.

Assignments Registered

2003229371 OAI Pty Ltd; Lycoudis, Robert The patent has been assigned to **Lycoudis, Robert**

2008303367 McAlpine & Co. Ltd. The patent has been assigned to **McAlpine & Co. Ltd.; Whiffaway Ltd**

2009281937 KCI Licensing, Inc. The patent has been assigned to **3M Innovative Properties Company**

2010212637 BP EXPLORATION OPERATING COMPANY LIMITED The patent has been assigned to **2228146 Alberta Inc.**

2010320652 McAlpine & Co. Ltd. The patent has been assigned to **McAlpine & Co. Ltd.; Whiffaway Ltd**

2011285592 KCI Licensing, Inc. The patent has been assigned to **3M Innovative Properties Company**

2011285593 KCI Licensing, Inc. The patent has been assigned to **3M Innovative Properties Company**

2011325258 Felco Motion SA The patent has been assigned to **Felco SA**

2012261016 BP Exploration Operating Company Limited The patent has been assigned to **2228146 Alberta Inc.**

2012306469 Universitat zu Koln The patent has been assigned to **Blunk, Dirk**

2013232697 Retinagenix, LLC The patent has been assigned to **RETINAGENIX THERAPEUTICS, INC.**

2013265732 Ellegaard Holding A/S The patent has been assigned to **Plantpaper Holding ApS**

2014224688 Universitat zu Koln The patent has been assigned to **Blunk, Dirk**

2014239891 KCI Licensing, Inc. The patent has been assigned to **3M Innovative Properties Company**

2014239952 KCI Licensing, Inc. The patent has been assigned to **3M Innovative Properties Company**

2014345970 Ellegaard Holding A/S The patent has been assigned to **Plantpaper Holding ApS**

2015100253 4TEL Pty Ltd The patent has been assigned to **4Tek Pty Ltd**

2015354868 Rousselot B.V. The patent has been assigned to **ROUSSELOT BV**

2016204210 KCI Licensing, Inc. The patent has been assigned to **3M Innovative Properties Company**

2017279616 KCI Licensing, Inc. The patent has been assigned to **3M Innovative Properties Company**

Assignments Registered

2017287553 Hangzhou Sanyintai Pharmaceutical Technology Co., Ltd.; Yin, Jianming The patent has been assigned to **Yin, Jianming; Hangzhou Bangshun Pharmaceutical Co., Ltd**

2019100007 4TEL PTY LTD The patent has been assigned to **4Tek Pty Ltd**

2019100119 4TEL PTY LTD The patent has been assigned to **4Tek Pty Ltd**

2019101100 KIKITSA Pty Ltd The patent has been assigned to **Earthling 3.0 Pty Ltd**

2020102333 Tianjin University The patent has been assigned to **BCIG Environmental Remediation Co., Ltd.; Tianjin University**

Licences Registered - Section 187, Reg. 19

(The name in the parentheses is that of the licensee)

2014381795 X4 Pharmaceuticals (Austria) GmbH (Janssen Pharmaceuticals, Inc.)

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Filed

The following application(s) for Extension of Term under Section 70 have been made and are open for public inspection.

2011280910 **Gilead Sciences, Inc.**

The earliest first regulatory approval date provided by the patentee 10 Jul 2020

For the goods VEKLURY remdesivir

2013216595 **Gilead Sciences, Inc.**

The earliest first regulatory approval date provided by the patentee 10 Jul 2020

For the goods VEKLURY remdesivir

2016250419 **Gilead Sciences, Inc.**

The earliest first regulatory approval date provided by the patentee 10 Jun 2020

For the goods VEKLURY remdesivir

2017201230 **Gilead Sciences, Inc**

The earliest first regulatory approval date provided by the patentee 10 Jul 2020

For the goods VEKLURY remdesivir

2018241101 **The Regents of The University of California**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

Applications Accepted

The following application(s) for Extension of Term have been accepted under Section 74.

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2017204741 **Purdue Pharma L.P.**

The earliest first regulatory approval date provided by the patentee 12 May 2010

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Accepted

For the goods TARGIN oxycodone hydrochloride/naloxone hydrochloride

Address for service : Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2018241101 **The Regents of The University of California**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

Address for service : FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

Corrigenda

In Vol 31 , No 2 , Page(s) 209 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Hexal AG, Application No. 2015299033, under INID (72) correct the co-inventor to Nink, Joerg; Obermueller, Katharin

In Vol 34 , No 27 , Page(s) 3755 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2020** Delete all reference to 2020202393.

In Vol 34 , No 32 , Page(s) 4554 under the heading **Applications Accepted - Name Index** Under the name Hexal AG, Application No. 2015299033, under INID (72) correct the co-inventor to Nink, Joerg; Obermueller, Katharin

In Vol 34 , No 38 , Page(s) 5414 under the heading **Applications Accepted - Name Index** Under the name Oregon Health & Science University, Oslo University Hospital HF, Cleveland Clinic, Board of Regents of the University of Nebraska, British Columbia Cancer Agency Branch, The United States of America, as represented by the Secretary, Department of Health and Human Services, Universitat de Barcelona, Hospital Clinic de Barcelona, Arizona Board of Regents on Behalf of the University of Arizona, Julius-Maximilians-University of Wuerzburg, Application No. 2014346788, Under INID (72) add co-inventor Tubbs, Raymond

In Vol 34 , No 48 , Page(s) 6874 under the heading **Amendments - Amendments Made** Under the name Smiths Medical ASD, Inc., Application No. 2019263493, Under INID (72) correct co-inventor name to SCHULTE, Seth

In Vol 35 , No 1 , Page(s) 68 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Arena Pharmaceuticals, Inc, Application No. 2019280822, under INID (54) correct the title to read Methods of treating conditions related to the S1P1 receptor

In Vol 35 , No 3 , Page(s) 354 under the heading **Amendments - Application for Amendments** Under the name Kilmallock (ACT) Pty Ltd, Innovation Patent 2018102075 correct the date of the statements filed to 30 Aug 2020 and 22 Nov 2020

In Vol 35 , No 3 , Page(s) 354 under the heading **Amendments - Application for Amendments** Under the name Avery Dennison Corporation, Patent No. 2018203060 correct the date of the statements filed to 16 Oct 2020 and 15 Dec 2020

Corrigenda

In Vol 35 , No 3 , Page(s) 398 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Chia Tai Tianqing Pharmaceutical Group Co., Ltd. Application No. 2019296118, under INID (71) add co-applicant Medshine Discovery Inc.

Specifications Republished

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

2016378108	Dompe' Farmaceutici S.p.A.
2016415075	Institute of Materials and Processing, Guangdong Academy of Sciences
2017263465	Nasdaq, Inc.
2017418080	Huawei Technologies Co., Ltd.
2018217338	Alphapointe; The Government of the United States as represented by the Secretary of the Army
2018427622	Fujitsu Limited
2019216723	Qualcomm Incorporated