



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

*For Information on the following please see our website [www.ipaustralia.gov.au](http://www.ipaustralia.gov.au)  
or contact our Customer Service Network on 1300651010*

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

*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>
<b>A) Provisional applications filed - Name Index</b>		<b>B) Complete applications filed - Name Index</b>	
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>
<b>C) Applications open to public inspection - Name Index</b>		<b>D) Applications accepted - Name Index</b>	
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>
<b>E) Patents Certified – Name Index</b>	
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)<sub>2</sub>, (51)<sub>3</sub>, (51)<sub>4</sub> and (51)<sub>5</sub>.
- (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**

***John Antony v NewSouth Innovations Pty Limited* [2019] APO 41**

Patent Applications: 2017901468

Title: Prevention of fluid cavitation

Patent Applicant: NewSouth Innovations Pty Limited

Requestor: John Antony

Delegate: Dr S. J. Smith

Decision Date: 28 August 2019

Hearing Date: Written submissions completed on 8 November 2018, further evidence filed 22 February 2019

Catchwords: **PATENTS** – application under section 36 – eligibility – requestor named as an inventor – whether the requestor contributed to the inventive concept – whether requestor should be named as an applicant – declaration under section 36 made

Representation: Patent applicant: Griffith Hack  
Requestor: Not represented

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 3 Mar 2020 .

(71) 360 Knee Systems Pty Ltd (21) 2020900651 (22) 04.03.2020 (54) Intraoperative Guidance Systems and Methods	(71) Aristocrat Technologies Australia Pty Limited (21) 2020900626 (22) 03.03.2020 (54) GAMING DEVICE WITH PLAYER CHOICE RANDOMISED BASED ON GAME PLAY OUTCOME	IDENTIFYING PATTERNS IN MEDICAL IMAGES
(71) 360 Knee Systems Pty Ltd (21) 2020900653 (22) 04.03.2020 (54) Image processing for intraoperative guidance systems	(71) Aristocrat Technologies Australia Pty Limited (21) 2020900656 (22) 04.03.2020 (54) GAMING DEVICE WITH DYNAMIC AWARDS BASED ON SYMBOL POSITION STATE	(71) BURROWS, K. (21) 2020900683 (22) 05.03.2020 (54) A WIND TURBINE SYSTEM
(71) 360 Knee Systems Pty Ltd (21) 2020900654 (22) 04.03.2020 (54) Intraoperative Localisation System and Methods	(71) Aurizon Operations Limited; BMT Commercial Pty Ltd (21) 2020900682 (22) 05.03.2020 (54) Opening and closing device for a discharge door	(71) Callidus Process Solutions Pty Ltd (21) 2020900630 (22) 03.03.2020 (54) Apparatus and Method for Simulating Severe Service Conditions on Isolation Valves to Test Valve Performance
(71) 360 Knee Systems Pty Ltd (21) 2020900655 (22) 04.03.2020 (54) Surgical Impactor Navigation Systems and Methods	(71) Avanti Materials Ltd (21) 2020900660 (22) 04.03.2020 (54) Zinc Recovery from EAF Dust	(71) CoachAchieve Pty Limited (21) 2020900625 (22) 03.03.2020 (54) Folding Trolley
(71) 3ME Technology Pty Ltd (21) 2020900686 (22) 05.03.2020 (54) Apparatus, System and Methods for Batteries	(71) Beaton, A. (21) 2020900631 (22) 03.03.2020 (54) Building Sheet Support	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2020900633 (22) 03.03.2020 (54) Subsea hydrogen generator
(71) Addicoat, C. (21) 2020900648 (22) 04.03.2020 (54) PLAZTIQUE: "Helping the world never looked so fine"- recyclable plastic/non-recyclable plastic solutions via decoration and design	(71) Beck, N. (21) 2020900677 (22) 05.03.2020 (54) A METHOD OF MANAGING AN OPIOID WITHDRAWAL SYMPTOM AND COMPOSITIONS FOR USE IN SAME	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2020900689 (22) 05.03.2020 (54) EXPRESSION OF NITROGENASE POLYPEPTIDES IN PLANT CELLS
(71) Alldritt, M.; Huili, Y. (21) 2020900688 (22) 05.03.2020 (54) Emergency Stop Device for UTO trains This is used by Protection Officers when creating a work site to prevent UTO trains from entering the protected area	BMT Commercial Pty Ltd see Aurizon Operations Limited (21) 2020900682	(71) CORBETT, J. (21) 2020900681 (22) 05.03.2020 (54) System and Method of Delivering Material to Low Earth Orbit
	(71) Burning Haystacks Pty Ltd (21) 2020900639 (22) 03.03.2020 (54) A SYSTEM, METHOD, COMPUTER PROGRAM AND DATA SIGNAL FOR	(71) Curved Earth Designs Pty Ltd (21) 2020900627 (22) 03.03.2020 (54) Automotive awning system
		(71) Ford, A. (21) 2020900661 (22) 04.03.2020 (54) the iBMS (Intelligent Building Management Software system provides the centralised computerised management by which

Provisional Applications Filed - Name Index cont'd

the CiFS (Codified Intelligent Flooring system) provides accurate, timely and personalised information to users engaging with CiFS or indeed, other IoT embedded artifacts, including furniture, lighting, walls, etc.. It differs from current methods of connecting to IoT embedded artifacts, which are controlled through major web-based providers such as Google, Apple etc.. The IBMS works locally within a building to truly personalise the experience for users.

(71) Gardiner, W.  
(21) 2020900667 (22) 05.03.2020  
(54) Rifle aiming rest apparatus

(71) Gardner, A.  
(21) 2020900642 (22) 04.03.2020  
(54) Household waste and recycling system.

(71) Gardner, A.  
(21) 2020900643 (22) 04.03.2020  
(54) Household waste and recycling system.

(71) GDWS Pty Ltd  
(21) 2020900684 (22) 05.03.2020  
(54) Methods and formulations for sealing structural leaks

(71) Greirson, K.  
(21) 2020900635 (22) 03.03.2020  
(54) Sumo Mining Truck

(71) Greirson, K.  
(21) 2020900636 (22) 03.03.2020  
(54) Ranger Crane R45

(71) Huelsen, A.  
(21) 2020900679 (22) 05.03.2020  
(54) ENDOSCOPE HOOD

Huili, Y. see Alldritt, M.  
(21) 2020900688

(71) Illinois Tool Works Inc.  
(21) 2020900637 (22) 03.03.2020  
(54) Expansion joint and expansion joint cover plate

(71) King Furniture Australia Pty Ltd  
(21) 2020900650 (22) 04.03.2020  
(54) A support unit for use on an article of furniture

(71) LASERFORCE INTERNATIONAL PTY LTD  
(21) 2020900645 (22) 04.03.2020  
(54) REDEMPTION POINTS SYSTEM FOR LASER-TAG GAMES

(71) Mesoblast International Sarl  
(21) 2020900685 (22) 05.03.2020  
(54) Method for treating inflammatory lung diseases which comprise administering mesenchymal lineage precursor or stem cells

(71) Miles, S.  
(21) 2020900634 (22) 03.03.2020  
(54) WHEEL CARRIER

(71) Momentum Concepts Pty Ltd  
(21) 2020900662 (22) 05.03.2020  
(54) STORAGE CONTAINERS

(71) Orijin Plus Pty Ltd  
(21) 2020900659 (22) 04.03.2020  
(54) A Method and System for Indicating the End of a Supply Chain

(71) Ozwall Manufacturing Australia Pty Ltd  
(21) 2020900647 (22) 04.03.2020  
(54) Formwork to reinforcement connector and formwork systems using same

(71) Power, R.  
(21) 2020900668 (22) 05.03.2020  
(54) Jetloo watersaving toilet

(71) Radaich, S.  
(21) 2020900671 (22) 05.03.2020  
(54) A steering system for a shopping trolley

Ragless, L. see Ragless, S.  
(21) 2020900673

(71) Ragless, S.; Ragless, L.  
(21) 2020900673 (22) 05.03.2020  
(54) This invention is designed to use the microphone and speaker circuits coupled to a memory circuit to provide a recall facility controlled by switches on the device or through wireless connection to a mobile phone or other remote controller. The unit can recall the conversation through the speaker up to a preset time and replayed on demand.

(71) RESMED PTY LTD  
(21) 2020900692 (22) 06.03.2020  
(54) Patient Interface

(71) Robertson, N.  
(21) 2020900678 (22) 05.03.2020  
(54) A training aid for ball sports

(71) Robertson, J.  
(21) 2020900687 (22) 05.03.2020  
(54) New system for obtaining a domestic or commercial rental bond

(71) Russell Mineral Equipment Pty Ltd  
(21) 2020900638 (22) 03.03.2020  
(54) Non-linear motion elevating apparatus

(71) Scout Bio, Inc.  
(21) 2020900632 (22) 03.03.2020  
(54) Antigen-binding molecules and uses thereof

(71) SimSec Hong Kong Limited  
(21) 2020900658 (22) 04.03.2020  
(54) DATA ENCRYPTION MODULE, SYSTEM AND METHOD

(71) Smith, D.  
(21) 2020900670 (22) 05.03.2020  
(54) CLEANING TAB ACCESSORY FOR CAULKING GUNS

(71) Sodaking IPV Pty Ltd  
(21) 2020900666 (22) 05.03.2020  
(54) Apparatus for on-demand beverage carbonation

(71) Solo, Z.  
(21) 2020900664 (22) 05.03.2020  
(54) Silver Oxide (AgO) and Copper Oxide (CuO) Additive to Sanitizers and Disinfectants

(71) Solo, Z.  
(21) 2020900665 (22) 05.03.2020  
(54) Silver Oxide (AgO) and Copper Oxide (CuO) Additive to impregnate Masks, Gowns, Gloves, Fabric and Bed Sheets

(71) Solomon, K.  
(21) 2020900672 (22) 05.03.2020  
(54) Reversible Liquid/Solid Phase Change Composition

(71) Speed, T.  
(21) 2020900624 (22) 03.03.2020  
(54) A STORAGE CONTAINER FOR A VEHICLE

(71) The Blueprint Laboratory Pty Ltd  
(21) 2020900674 (22) 05.03.2020  
(54) Sealed actuator assembly for a robotic manipulator

(71) The Commonwealth of Australia  
(21) 2020900680 (22) 05.03.2020  
(54) Vibration Energy Transduction Devices and Systems

## Provisional Applications Filed - Name Index cont'd

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<b>(71)</b> THE SLEEPY COMPANY PTY. LTD. <b>(21)</b> 2020900691 <b>(22)</b> 06.03.2020 <b>(54)</b> SWADDLE	<b>(71)</b> Zebaze, R. <b>(21)</b> 2020900641 <b>(22)</b> 04.03.2020 <b>(54)</b> METHOD AND APPARATUS FOR IDENTIFYING MATERIALS (OR OBJECTS) BORDERS, QUANTIFYING BORDERS CHARACTERISTICS, AND MATERIALS PROPERTIES
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<b>(71)</b> The University of Adelaide <b>(21)</b> 2020900675 <b>(22)</b> 05.03.2020 <b>(54)</b> Combination Treatment for Microorganisms	
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<b>(71)</b> The University of Sydney <b>(21)</b> 2020900669 <b>(22)</b> 05.03.2020 <b>(54)</b> Energy storage device and related methods	
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<b>(71)</b> Thornton, R. <b>(21)</b> 2020900644 <b>(22)</b> 04.03.2020 <b>(54)</b> Coat Hanger	
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<b>(71)</b> Vernx Biotechnology Pty Ltd <b>(21)</b> 2020900629 <b>(22)</b> 03.03.2020 <b>(54)</b> METHODS FOR INCREASING THE BRANCHED CHAIN FATTY ACID CONTENT IN RUMINANTS	
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<b>(71)</b> Walker, F. <b>(21)</b> 2020900676 <b>(22)</b> 05.03.2020 <b>(54)</b> Internal Combustion Engine	
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<b>(71)</b> Western Sydney Local Health District <b>(21)</b> 2020900649 <b>(22)</b> 04.03.2020 <b>(54)</b> Ocular implant and method of making same	
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<b>(71)</b> Who's Shout Pty Ltd <b>(21)</b> 2020900640 <b>(22)</b> 03.03.2020 <b>(54)</b> Multi-instance, multi-user ordering method and system	
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<b>(71)</b> WILKINSON, D. <b>(21)</b> 2020900646 <b>(22)</b> 04.03.2020 <b>(54)</b> Hand Tool With Working Ends and Abrading Surfaces	
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<b>(71)</b> WILKINSON, D. <b>(21)</b> 2020900657 <b>(22)</b> 04.03.2020 <b>(54)</b> Hand Tool including Replaceable Working heads	
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<b>(71)</b> Wragg, R. <b>(21)</b> 2020900690 <b>(22)</b> 06.03.2020 <b>(54)</b> Graphene membrane water treatment plant	
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<b>(71)</b> Yarramen Pty Ltd <b>(21)</b> 2020900652 <b>(22)</b> 04.03.2020 <b>(54)</b> Fuel cap alarm	
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Numerical Index

<b>2020900624</b>	Speed, T.	<b>2020900692</b>	RESMED PTY LTD
<b>2020900625</b>	CoachAchieve Pty Limited		
<b>2020900626</b>	Aristocrat Technologies Australia Pty Limited		
<b>2020900627</b>	Curved Earth Designs Pty Ltd		
<b>2020900629</b>	Vernx Biotechnology Pty Ltd		
<b>2020900630</b>	Callidus Process Solutions Pty Ltd		
<b>2020900631</b>	Beaton, A.		
<b>2020900632</b>	Scout Bio, Inc.		
<b>2020900633</b>	Commonwealth Scientific and Industrial Research Organisation		
<b>2020900634</b>	Miles, S.		
<b>2020900635</b>	Greirson, K.		
<b>2020900636</b>	Greirson, K.		
<b>2020900637</b>	Illinois Tool Works Inc.		
<b>2020900638</b>	Russell Mineral Equipment Pty Ltd		
<b>2020900639</b>	Burning Haystacks Pty Ltd		
<b>2020900640</b>	Who's Shout Pty Ltd		
<b>2020900641</b>	Zebaze, R.		
<b>2020900642</b>	Gardner, A.		
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<b>2020900645</b>	LASERFORCE INTERNATIONAL PTY LTD		
<b>2020900646</b>	WILKINSON, D.		
<b>2020900647</b>	Ozwall Manufacturing Australia Pty Ltd		
<b>2020900648</b>	Addicoat, C.		
<b>2020900649</b>	Western Sydney Local Health District		
<b>2020900650</b>	King Furniture Australia Pty Ltd		
<b>2020900651</b>	360 Knee Systems Pty Ltd		
<b>2020900652</b>	Yarramen Pty Ltd		
<b>2020900653</b>	360 Knee Systems Pty Ltd		
<b>2020900654</b>	360 Knee Systems Pty Ltd		
<b>2020900655</b>	360 Knee Systems Pty Ltd		
<b>2020900656</b>	Aristocrat Technologies Australia Pty Limited		
<b>2020900657</b>	WILKINSON, D.		
<b>2020900658</b>	SimSec Hong Kong Limited		
<b>2020900659</b>	Orijin Plus Pty Ltd		
<b>2020900660</b>	Avanti Materials Ltd		
<b>2020900661</b>	Ford, A.		
<b>2020900662</b>	Momentum Concepts Pty Ltd		
<b>2020900664</b>	Solo, Z.		
<b>2020900665</b>	Solo, Z.		
<b>2020900666</b>	Sodaking IPV Pty Ltd		
<b>2020900667</b>	Gardiner, W.		
<b>2020900668</b>	Power, R.		
<b>2020900669</b>	The University of Sydney		
<b>2020900670</b>	Smith, D.		
<b>2020900671</b>	Radaich, S.		
<b>2020900672</b>	Solomon, K.		
<b>2020900673</b>	Ragless, S.; Ragless, L.		
<b>2020900674</b>	The Blueprint Laboratory Pty Ltd		
<b>2020900675</b>	The University of Adelaide		
<b>2020900676</b>	Walker, F.		
<b>2020900677</b>	Beck, N.		
<b>2020900678</b>	Robertson, N.		
<b>2020900679</b>	Huelsen, A.		
<b>2020900680</b>	The Commonwealth of Australia		
<b>2020900681</b>	CORBETT, J.		
<b>2020900682</b>	Aurizon Operations Limited; BMT Commercial Pty Ltd		
<b>2020900683</b>	BURROWS, K.		
<b>2020900684</b>	GDWS Pty Ltd		
<b>2020900685</b>	Mesoblast International Sarl		
<b>2020900686</b>	3ME Technology Pty Ltd		
<b>2020900687</b>	Robertson, J.		
<b>2020900688</b>	Alldritt, M.; Huili, Y.		
<b>2020900689</b>	Commonwealth Scientific and Industrial Research Organisation		
<b>2020900690</b>	Wragg, R.		
<b>2020900691</b>	THE SLEEPY COMPANY PTY. LTD.		

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 3 Mar 2020 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

<hr/> <p>(71) AbbVie Inc. (21) 2020201656 (22) 05.03.2020 (54) Combination of direct acting antiviral agents and ribavirin for treating HCV patients (62) 2018202581</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2020201689 (22) 06.03.2020 (54) COGNITIVE FORECASTING (31) 16/393,506 (32) 24.04.19 (33) US</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2020201712 (22) 06.03.2020 (54) PRESCRIPTIVE ANALYTICS BASED COMMITTED COMPUTE RESERVATION STACK FOR CLOUD COMPUTING RESOURCE SCHEDULING (62) 2018250388</p> <hr/> <p>(71) Adobe Inc. (21) 2020201593 (22) 04.03.2020 (54) AUTOMATIC SYNTHESIS OF A CONTENT-AWARE SAMPLING REGION FOR A CONTENT-AWARE FILL (31) 16/420,782 (32) 23.05.19 (33) US</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2020201573 (22) 03.03.2020 (54) PARALLEL COMPRESSION IN LNG PLANTS USING A DOUBLE FLOW COMPRESSOR (62) 2018202124</p> <hr/> <p>(71) Alibaba Group Holding Limited (21) 2020201662 (22) 05.03.2020 (54) FACE LIVENESS DETECTION METHOD AND APPARATUS, AND ELECTRONIC DEVICE (62) 2018280235</p> <hr/> <p>(71) ALLEGION (NEW ZEALAND) LIMITED (21) 2020201595 (22) 04.03.2020 (54) Door Furniture (62) 2018203064</p> <hr/> <p>(71) ALSTOM Transport Technologies (21) 2020201585 (22) 04.03.2020 (54) Antenna for railway vehicles (31) 16/298,693 (32) 11.03.19 (33) US</p> <hr/>	<p>(71) Altus NZ Limited (21) 2020201690 (22) 06.03.2020 (54) IMPROVEMENTS IN OR RELATING TO WINDOW STAYS (62) 2019216641</p> <hr/> <p>(71) Amazon Technologies, Inc. (21) 2020201660 (22) 05.03.2020 (54) VIRTUALIZING GRAPHICS PROCESSING IN A PROVIDER NETWORK (62) 2016304864</p> <hr/> <p>(71) Amgen Inc. (21) 2020201600 (22) 04.03.2020 (54) Drug delivery system and method of use (62) 2015271763</p> <hr/> <p>(71) Amgen Inc. (21) 2020201608 (22) 04.03.2020 (54) Improved Host Cells and Culture Methods (62) 2017279608</p> <hr/> <p>(71) Amicus Therapeutics, Inc. (21) 2020201715 (22) 09.03.2020 (54) DOSING REGIMENS FOR THE TREATMENT OF FABRY DISEASE (62) 2018201637</p> <hr/> <p>(71) Anglo American Services (UK) Ltd (21) 2020201675 (22) 06.03.2020 (54) Tailings deposition (31) 62/815,503 (32) 08.03.19 (33) US 62/848,911 16.05.19 US</p> <hr/> <p>(71) Apple Inc. (21) 2020201575 (22) 03.03.2020 (54) Message user interfaces for capture and transmittal of media and location content (62) 2018203215</p> <hr/> <p>(71) Apple Inc. (21) 2020201584 (22) 04.03.2020 (54) Sample adaptive offset control (62) 2018204551</p> <hr/> <p>(71) Apple Inc. (21) 2020201609 (22) 04.03.2020 (54) Audio driver and power supply unit architecture (62) 2017332547</p> <hr/>	<p>(71) Apple Inc. (21) 2020201629 (22) 05.03.2020 (54) Devices, methods, and graphical user interfaces for navigating, displaying, and editing media items with multiple display modes (62) 2018270746</p> <hr/> <p>(71) Apple Inc. (21) 2020201648 (22) 05.03.2020 (54) Devices, methods, and graphical user interfaces for manipulating user interface objects with visual and/or haptic feedback (62) 2018204234</p> <hr/> <p>(71) Araim Pharmaceuticals, Inc. (21) 2020201658 (22) 05.03.2020 (54) TISSUE PROTECTIVE PEPTIDES AND USES THEREOF (62) 2017235931</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2020201627 (22) 04.03.2020 (54) A METHOD OF GAMING, A GAMING SYSTEM, AND A GAME CONTROLLER (62) 2018202256</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2020201714 (22) 08.03.2020 (54) A METHOD OF GAMING, A GAME CONTROLLER AND A GAMING SYSTEM (62) 2018200944</p> <hr/> <p>(71) Arrowhead Pharmaceuticals, Inc. (21) 2020201617 (22) 04.03.2020 (54) ORGANIC COMPOSITIONS TO TREAT EPAS1-RELATED DISEASES (62) 2014223432</p> <hr/> <p>(71) Avalyn Pharma Inc. (21) 2020201557 (22) 03.03.2020 (54) AEROSOL PIRFENIDONE AND PYRIDONE ANALOG COMPOUNDS (62) 2018206852</p> <hr/> <p>(71) Bauer Maschinen GmbH (21) 2020201592 (22) 04.03.2020 (54) SECURING MEANS FOR SECURING A CIVIL ENGINEERING ELEMENT, AND CIVIL ENGINEERING METHOD (31) 19162495.6 (32) 13.03.19 (33) EP</p>
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(71) Bayer Healthcare LLC  
 (21) 2020201603 (22) 04.03.2020  
 (54) Self-orienting pressure jacket and pressure jacket-to-injector interface  
 (62) 2017248416

(71) Bioncotech Therapeutics, S. L.  
 (21) 2020201605 (22) 04.03.2020  
 (54) NOVEL PHARMACEUTICAL COMPOSITION COMPRISING PARTICLES COMPRISING A COMPLEX OF A DOUBLE-STRANDED POLYRIBONUCLEOTIDE AND A POLYALKYLENEIMINE  
 (62) 2016355972

(71) Biosense Webster (Israel) Ltd.  
 (21) 2020201576 (22) 03.03.2020  
 (54) Showing catheter in brain  
 (31) 16/292,549 (32) 05.03.19 (33) US

**Bonner, C. see Hirsch, J.**  
 (21) 2020201569

(71) Breakthrough Innovations, LLC  
 (21) 2020201645 (22) 05.03.2020  
 (54) WEARABLE REMOTE SPEAKER MIC HOLDER, RADIO SUPPORT, AND SYSTEM COMPRISING THE SAME  
 (62) 2015200929

(71) Britax Child Safety, Inc.  
 (21) 2020201572 (22) 03.03.2020  
 (54) CHILD SAFETY SEAT  
 (31) 62/817,715 (32) 13.03.19 (33) US

(71) British American Tobacco (Investments) Limited  
 (21) 2020201666 (22) 05.03.2020  
 (54) Article for use in apparatus for heating smokable material  
 (62) 2017266398

(71) Brunone, R.  
 (21) 2020201677 (22) 06.03.2020  
 (54) Belt conveyor with distributed motorization, and associated material transport method  
 (31) 19 02294 (32) 06.03.19 (33) FR

(71) Canon Kabushiki Kaisha  
 (21) 2020201694 (22) 06.03.2020  
 (54) Method, apparatus and system for encoding and decoding a coding unit tree

(71) Caravello, D.  
 (21) 2020201674 (22) 06.03.2020  
 (54) Environmental Monitoring Device and Environmental Monitoring System  
 (31) 2019900741 (32) 06.03.19 (33) AU

(71) Cardinal Health Switzerland 515 GmbH  
 (21) 2020201705 (22) 06.03.2020  
 (54) STENT CANNULATION GUIDING DEVICE FOR BIFURCATED STENT AND METHOD OF USE  
 (62) 2018202589

(71) CareFusion 303, Inc.  
 (21) 2020201641 (22) 05.03.2020  
 (54) Scalable communication system  
 (62) 2018232958

(71) Cascade Corporation  
 (21) 2020201665 (22) 05.03.2020  
 (54) Wireless power transfer and communications for industrial equipment  
 (62) 2018260913

(71) CATERPILLAR GLOBAL MINING EQUIPMENT LLC  
 (21) 2020201623 (22) 04.03.2020  
 (54) AUTOMATIC DRILL PIPE COUPLING DETECTION CONTROL SYSTEM  
 (31) 16/366,468 (32) 27.03.19 (33) US

(71) CATERPILLAR INC.  
 (21) 2020201621 (22) 04.03.2020  
 (54) CONFIGURATION FOR BATTERY POWERED ELECTRIC DRIVE LOAD HAUL DUMP  
 (31) 16/362,188 (32) 22.03.19 (33) US

(71) CFPH, LLC  
 (21) 2020201599 (22) 04.03.2020  
 (54) COLLUSION DETECTION  
 (62) 2018201114

**Chen, C. see Su, C.**  
 (21) 2020201681

(71) Chow Tai Fook Jewellery Company Limited; Megasoftware Limited  
 (21) 2020201577 (22) 03.03.2020  
 (54) Presentation apparatus (IOT)  
 (62) 2014322633

(71) Chow Tai Fook Jewellery Company Limited  
 (21) 2020201578 (22) 03.03.2020  
 (54) Presentation apparatus (ICS Connection)  
 (62) 2014322634

(71) CiDRA Corporate Services Inc.  
 (21) 2020201670 (22) 05.03.2020  
 (54) Techniques for optimizing performance of cyclones  
 (62) 2014311424

(71) CMS Technology, Inc.  
 (21) 2020201702 (22) 06.03.2020  
 (54) Antimicrobial copper compositions and their use in treatment of foodstuffs and surfaces  
 (62) 2015353556

(71) Covidien LP  
 (21) 2020201571 (22) 03.03.2020  
 (54) Loading unit and adapter with modified coupling assembly  
 (31) 62/828,204 (32) 02.04.19 (33) US  
 16/800,100 25.02.20 US

(71) Crown Equipment Corporation  
 (21) 2020201664 (22) 05.03.2020  
 (54) Industrial vehicles with overhead light based localization  
 (62) 2014324480

(71) Curtis, M.  
 (21) 2020201628 (22) 04.03.2020  
 (54) Composite Beam  
 (31) 2019900688 (32) 04.03.19 (33) AU

(71) Cylance Inc.  
 (21) 2020201706 (22) 06.03.2020  
 (54) AUTOMATED SYSTEM FOR GENERATIVE MULTIMODEL MULTICLASS CLASSIFICATION AND SIMILARITY ANALYSIS USING MACHINE LEARNING  
 (62) 2014302603

(71) Dejero Labs Inc.  
 (21) 2020201651 (22) 05.03.2020  
 (54) Device and method for characterization and optimization of multiple simultaneous real-time data connections  
 (62) 2017221833

(71) Dexcom, Inc.  
 (21) 2020201634 (22) 05.03.2020  
 (54) Systems, devices and methods for analyte monitoring system  
 (62) 2017240490

(71) Dolby International AB  
 (21) 2020201570 (22) 03.03.2020  
 (54) Complex Exponential Modulated Filter Bank for High Frequency Reconstruction or Parametric Stereo  
 (62) 2017279677

(71) Dolby International AB  
 (21) 2020201647 (22) 05.03.2020  
 (54) Pitch Filter for Audio Signals and Method for Filtering an Audio Signal with a Pitch Filter  
 (62) 2017276206

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(71) Dolby Laboratories Licensing Corporation  
(21) 2020201708 (22) 06.03.2020  
(54) Techniques for encoding, decoding and representing high dynamic range images  
(62) 2018204462

(71) Dr. Ing. h.c.F. Porsche Aktiengesellschaft  
(21) 2020201606 (22) 04.03.2020  
(54) COOLING UNIT FOR A CHARGING COLUMN, AND CHARGING COLUMN HAVING A COOLING UNIT  
(62) 2018204414

(71) Elgi Rubber Company Limited  
(21) 2020201661 (22) 05.03.2020  
(54) TIRE RASP BLADE  
(62) 2016381553

**Emory University see Johns Hopkins University**  
(21) 2020201691

(71) Exelixis, Inc.  
(21) 2020201638 (22) 05.03.2020  
(54) c-Met modulators and methods of use  
(62) 2017200555

(71) Feramda Ltd.  
(21) 2020201620 (22) 04.03.2020  
(54) Compositions and combinations for the treatment of angiogenesis diseases and disorders  
(62) 2016224843

(71) Fisher & Paykel Healthcare Limited  
(21) 2020201601 (22) 04.03.2020  
(54) AN INTERFACE  
(62) 2017276716

(71) Fisher & Paykel Healthcare Limited  
(21) 2020201637 (22) 05.03.2020  
(54) BREATH INDICATOR  
(62) 2018203347

(71) FMC CORPORATION  
(21) 2020201631 (22) 05.03.2020  
(54) COMPOSITIONS AND METHODS FOR CONTROLLING WEEDS IN CROPS  
(62) 2015255269

(71) Franke Technology and Trademark Ltd  
(21) 2020201586 (22) 04.03.2020  
(54) DEVICE FOR STORING FOOD PRODUCTS AT HOT TEMPERATURE  
(31) 19170140.8 (32) 18.04.19 (33) EP

(71) GENIUS VELO LIMITED  
(21) 2020201639 (22) 05.03.2020  
(54) A FLUID MOTOR AND A FLUID PUMP  
(62) 2015359075

(71) Geron Corporation  
(21) 2020201707 (22) 06.03.2020  
(54) Oligonucleotide compositions and methods of making the same  
(62) 2015253158

(71) Glysens Incorporated  
(21) 2020201630 (22) 05.03.2020  
(54) Implantable sensor apparatus and methods  
(62) 2016382976

(71) Google LLC  
(21) 2020201699 (22) 06.03.2020  
(54) REDUCING LATENCY IN MAP INTERFACES  
(62) 2019203802

(71) Grasslanz Technology Limited; The Grains Research and Development Corporation  
(21) 2020201594 (22) 04.03.2020  
(54) Improved fungal endophytes  
(62) 2014224189

(71) GrowlerWerks, Inc.  
(21) 2020201626 (22) 04.03.2020  
(54) Beverage Dispenser and Variable Pressure Regulator Cap Assembly  
(62) 2015267256

(71) Hancock, R.E.  
(21) 2020201564 (22) 03.03.2020  
(54) Diagnostic for sepsis  
(62) 2015230632

(71) Haupt, R.  
(21) 2020201653 (22) 05.03.2020  
(54) Fluidic peristaltic layer pump  
(62) 2017257967

(71) Hilti Aktiengesellschaft  
(21) 2020201703 (22) 06.03.2020  
(54) Fastening method  
(62) 2018202892

(71) Hirsch, J.; Bonner, C.  
(21) 2020201569 (22) 03.03.2020  
(54) INSECTICIDE DISPENSING DEVICE AND METHOD  
(31) 62/815,677 (32) 08.03.19 (33) US  
62/875,654 18.07.19 US

**Hsu, P. see Su, C.**  
(21) 2020201681

(71) Hunter Douglas Inc.  
(21) 2020201611 (22) 04.03.2020  
(54) Transmission for an architectural-structure covering  
(31) 62/813,886 (32) 05.03.19 (33) US

(71) Hunter Douglas Inc.  
(21) 2020201613 (22) 04.03.2020  
(54) Operating system for an architectural-structure covering  
(31) 62/813,898 (32) 05.03.19 (33) US

(71) HYTECON AG  
(21) 2020201676 (22) 06.03.2020  
(54) Device and method for disinfecting a fluid by means of UV light  
(31) DE 102019116745.0 (32) 20.06.19 (33) DE

(71) Icomera AB  
(21) 2020201671 (22) 05.03.2020  
(54) Wireless Communication System For Ground Based Vehicles  
(31) 1950326-7 (32) 15.03.19 (33) SE

(71) Illumina, Inc.  
(21) 2020201685 (22) 06.03.2020  
(54) Nucleic acid sequence analysis from single cells  
(62) 2016316773

(71) Implantica Patent Ltd  
(21) 2020201667 (22) 05.03.2020  
(54) Hip Joint Device  
(62) 2018208741

(71) Incyte Holdings Corporation  
(21) 2020201709 (22) 06.03.2020  
(54) Processes for preparing JAK inhibitors and related intermediate compounds  
(62) 2018202625

(71) Innovative Tools Australia Pty Ltd  
(21) 2020201678 (22) 06.03.2020  
(54) RECESSING TOOL AND ASSOCIATED METHOD  
(31) 2019900770 (32) 08.03.19 (33) AU

(71) Johns Hopkins University; Emory University  
(21) 2020201691 (22) 06.03.2020  
(54) Methods of sequencing nucleic acids in mixtures and compositions related thereto  
(62) 2014219180

(71) KE, S.  
(21) 2020201607 (22) 04.03.2020  
(54) Pump-Storage Device and Pump-Storage Sewage Truck Including the Same  
(31) 108132085 (32) 05.09.19 (33) TW

(71) Lee Mu Tsai Investment Pty Ltd  
(21) 2020201650 (22) 05.03.2020  
(54) LIVE CRUSTACEAN TRANSPORT SYSTEM AND METHOD

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(71) Levolor Inc.  
 (21) 2020201616 (22) 04.03.2020  
 (54) Bottom rail assembly for a covering for an architectural structure and related assembly methods  
 (31) 62/815,651 (32) 08.03.19 (33) US

(71) LifeSci Pharmaceuticals, Inc.  
 (21) 2020201550 (22) 03.03.2020  
 (54) Therapeutic inhibitory compounds  
 (62) 2014373735

(71) LIN, H.  
 (21) 2020201565 (22) 03.03.2020  
 (54) Water Electrolysis Device  
 (62) 2018217248

(71) LucasFilm Entertainment Company Ltd.  
 (21) 2020201618 (22) 04.03.2020  
 (54) ON-SET FACIAL PERFORMANCE CAPTURE AND TRANSFER TO A THREE-DIMENSIONAL COMPUTER-GENERATED MODEL  
 (31) 62/814,994 (32) 07.03.19 (33) US  
 16/681,300 12.11.19 US

(71) Mallinckrodt Hospital Products IP Limited  
 (21) 2020201590 (22) 04.03.2020  
 (54) Methods of treating patients having hypoxic respiratory failure associated with clinical or echocardiographic evidence of pulmonary hypertension  
 (62) 2018205119

(71) Mandometer AB  
 (21) 2020201693 (22) 06.03.2020  
 (54) A method and a device adapted to practice simulated eating  
 (62) 2018202329

(71) Marine Canada Acquisition Inc.  
 (21) 2020201697 (22) 06.03.2020  
 (54) Mounting assembly for positioning stern-mounted propulsion units with a forward convergence  
 (62) 2018203379

(71) Mars, Incorporated  
 (21) 2020201567 (22) 03.03.2020  
 (54) Extruded pet food product  
 (62) 2015341803

(71) Mars, Incorporated  
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 (54) Oral anti-parasitic composition  
 (62) 2014317025

(71) Mars, Incorporated  
 (21) 2020201644 (22) 05.03.2020  
 (54) Extruded pet food product  
 (62) 2015341808

(71) MASTERCARD INTERNATIONAL INCORPORATED  
 (21) 2020201652 (22) 05.03.2020  
 (54) Method and system for blockchain variant using digital signatures  
 (62) 2016378211

(71) Medtronic Minimed, Inc.  
 (21) 2020201612 (22) 04.03.2020  
 (54) Application of electrochemical impedance spectroscopy in sensor systems, devices, and related methods  
 (62) 2018204777

Megasoft Limited see Chow Tai Fook Jewellery Company Limited  
 (21) 2020201577

(71) Mesoblast International Sarl  
 (21) 2020201636 (22) 05.03.2020  
 (54) Mesenchymal stem cells and uses therefor  
 (62) 2017268656

(71) MIRteq Pty Limited  
 (21) 2020201696 (22) 06.03.2020  
 (54) Resins, resin/fibre composites, methods of use and methods of preparation  
 (62) 2018204510

(71) Nepetx, LLC  
 (21) 2020201654 (22) 05.03.2020  
 (54) Treatment of gluten intolerance and related conditions  
 (62) 2014231587

(71) NOVOLUTO GmbH  
 (21) 2020201615 (22) 04.03.2020  
 (54) Insertable stimulation device  
 (31) 19161328.0 (32) 07.03.19 (33) EP

(71) NuXcel, Inc.  
 (21) 2020201635 (22) 05.03.2020  
 (54) Implantable head mounted neurostimulation system for head pain  
 (62) 2014340652

(71) Omeros Corporation; University of Leicester  
 (21) 2020201633 (22) 05.03.2020  
 (54) Methods for inhibiting angiogenesis in a subject in need thereof  
 (62) 2017240129

(71) OrthAlign, Inc.  
 (21) 2020201597 (22) 03.03.2020  
 (54) DEVICES AND METHODS FOR KNEE ARTHROPLASTY  
 (62) 2018203822

(71) Oxitec Limited  
 (21) 2020201642 (22) 05.03.2020

(54) Insect muscle actin promoter  
 (62) 2014224601

(71) Panduit Corp.  
 (21) 2020201632 (22) 05.03.2020  
 (54) Bracket for cable management  
 (31) 62/814,380 (32) 06.03.19 (33) US

(71) Patent Investment & Licensing Company  
 (21) 2020201625 (22) 04.03.2020  
 (54) Discounted Credits as Incentive to Play Gaming Devices  
 (62) 2018202387

(71) Precision Planting LLC  
 (21) 2020201655 (22) 05.03.2020  
 (54) Yield monitoring apparatus, systems, and methods  
 (62) 2018204721

(71) Regal Beloit America, Inc.  
 (21) 2020201587 (22) 04.03.2020  
 (54) Axial flux electrical motor assembly and methods of assembling the same  
 (31) 16/296,974 (32) 08.03.19 (33) US

(71) Regeneron Pharmaceuticals, Inc.  
 (21) 2020201596 (22) 04.03.2020  
 (54) Humanized light chain mice  
 (62) 2017251797

(71) Relbia Nominees Pty Ltd Trading as Flo-orex Products  
 (21) 2020201657 (22) 05.03.2020  
 (54) Multi-Fit Tooling Disc for Floor Grinding or Sanding Machines

(71) Saisei Pharma Co., Ltd.  
 (21) 2020201700 (22) 06.03.2020  
 (54) Bovine colostrum enzyme processed product, production method therefor, composition, and food or beverage  
 (62) 2014362132

(71) Schumacher Electric Corp.  
 (21) 2020201589 (22) 04.03.2020  
 (54) COMPACT MULTIFUNCTIONAL BATTERY BOOSTER  
 (62) 2018241093

(71) Schwarze Industries, Inc.  
 (21) 2020201713 (22) 06.03.2020  
 (54) Roadway sweeper with multiple sweeping modes  
 (62) 2018251900

(71) Sera Prognostics, Inc.  
 (21) 2020201695 (22) 06.03.2020  
 (54) Biomarkers and methods for predicting preeclampsia  
 (62) 2014228009

Complete Applications Filed - Name Index cont'd

(71) Sera Prognostics, Inc.  
 (21) 2020201701 (22) 06.03.2020  
 (54) Biomarkers and methods for predicting pre-term birth  
 (62) 2014227891

(71) Seres Therapeutics, Inc.  
 (21) 2020201598 (22) 03.03.2020  
 (54) SYNERGISTIC BACTERIAL COMPOSITIONS AND METHODS OF PRODUCTION AND USE THEREOF  
 (62) 2018204406

(71) Seven Bridges Genomics Inc.  
 (21) 2020201622 (22) 04.03.2020  
 (54) Methods and system for detecting sequence variants  
 (62) 2014324438

(71) Solar Choice Pty Ltd  
 (21) 2020201688 (22) 06.03.2020  
 (54) Automatic quotes for solar power installations  
 (62) 2017239607

(71) SOLITON HOLDINGS CORPORATION, DELAWARE CORPORATION  
 (21) 2020201562 (22) 03.03.2020  
 (54) JET-TURBINE AND JET-VENTILATOR  
 (62) 2018204546

(71) SOLITON HOLDINGS CORPORATION, DELAWARE CORPORATION  
 (21) 2020201568 (22) 03.03.2020  
 (54) SOUND BOOSTER  
 (62) 2018204546

(71) Su, C.; Yen, H.; Hsu, P.; Chen, C.  
 (21) 2020201681 (22) 06.03.2020  
 (54) RESPIRATORY FUNCTION TESTING SYSTEM AND RESPIRATORY FUNCTION TESTING METHOD THEREOF  
 (62) 2016305101

(71) Swiss VX Venentherapie und Forschung GmbH  
 (21) 2020201604 (22) 04.03.2020  
 (54) Adhesive film bandage for medical compression  
 (62) 2015220804

(71) Syngenta Limited  
 (21) 2020201710 (22) 06.03.2020  
 (54) Adjuvant compositions  
 (62) 2018204760

(71) TAV HOLDINGS, INC.; Valerio, T.  
 (21) 2020201679 (22) 06.03.2020

(54) SYSTEM AND METHOD FOR RECOVERING METALS FROM A WASTE STREAM  
 (62) 2018256627

(71) Taylor, S.  
 (21) 2020201580 (22) 03.03.2020  
 (54) Snowboard boot and binding  
 (31) 2019900685 (32) 03.03.19 (33) AU

(71) Techtronic Cordless GP  
 (21) 2020201614 (22) 04.03.2020  
 (54) Battery pack for a power tool, battery charger for such battery pack, and power tool for such battery pack  
 (31) 29/704,570 (32) 05.09.19 (33) US  
 29/704,572 05.09.19 US  
 29/704,580 05.09.19 US

(71) Terumo Kabushiki Kaisha  
 (21) 2020201583 (22) 04.03.2020  
 (54) SYRINGE BARREL, METHOD FOR MANUFACTURING SAME, AND PREFILLED SYRINGE  
 (62) 2017250849

(71) The Boeing Company  
 (21) 2020201582 (22) 04.03.2020  
 (54) Laminated hybrid metallized polymer films, system, and method for erosion protection of composite structures  
 (31) 16/365,431 (32) 26.03.19 (33) US

(71) The Boeing Company  
 (21) 2020201610 (22) 04.03.2020  
 (54) Fabrication of composite laminates using temporarily stitched preforms  
 (62) 2018204632

(71) The Boeing Company  
 (21) 2020201687 (22) 06.03.2020  
 (54) Controlling spring back of a sheet of material following machining operations  
 (31) 16/297,573 (32) 08.03.19 (33) US

(71) The Bowden Group  
 (21) 2020201716 (22) 09.03.2020  
 (54) SYSTEM AND METHOD FOR PROVIDING A REGULATED ATMOSPHERE FOR PACKAGING PERISHABLE GOODS  
 (62) 2018202885

(71) THE CLIMATE CORPORATION  
 (21) 2020201559 (22) 03.03.2020  
 (54) Computer-generated accurate yield map data using expert filters and spatial outlier detection  
 (62) 2016337264

(71) The General Corporation  
 (21) 2020201649 (22) 05.03.2020

(54) Compositions and Methods Comprising Energy Absorbing Materials for Follicular Delivery  
 (62) 2018200580

The Grains Research and Development Corporation see Grasslanz Technology Limited  
 (21) 2020201594

(71) THE LUBRIZOL CORPORATION  
 (21) 2020201704 (22) 06.03.2020  
 (54) SYNERGISTIC RUST INHIBITOR COMBINATION FOR LUBRICATING GREASE  
 (62) 2015374445

(71) The Regents of The University of California  
 (21) 2020201579 (22) 03.03.2020  
 (54) DEVICES FOR INTEGRATING ANALYTE EXTRACTION, CONCENTRATION AND DETECTION  
 (62) 2015226930

(71) Touch Networks Australia Pty Ltd  
 (21) 2020201684 (22) 06.03.2020  
 (54) METHOD OF PROCESSING A TRANSACTION REQUEST  
 (62) 2014268112

(71) TOYNE-DAVIES, Z.  
 (21) 2020201540 (22) 03.03.2020  
 (54) VaR Insurance

(71) Trends Home Electrical Pte. Ltd.  
 (21) 2020201659 (22) 05.03.2020  
 (54) IMPROVED AIR-CONDITIONER UNIT  
 (62) 2017295578

(71) Tyme, Inc.  
 (21) 2020201683 (22) 06.03.2020  
 (54) Pharmaceutical compositions and methods  
 (62) 2018203026

(71) Unger, E.C.  
 (21) 2020201680 (22) 06.03.2020  
 (54) FRACTIONATED RADIOTHERAPY AND CHEMOTHERAPY WITH AN OXYGEN THERAPEUTIC  
 (62) 2015227089

University of Leicester see Omeros Corporation  
 (21) 2020201633

(71) University of Washington  
 (21) 2020201619 (22) 04.03.2020  
 (54) Therapeutic nuclease compositions and methods  
 (62) 2018201073

Complete Applications Filed - Name Index cont'd

**Valerio, T. see TAV HOLDINGS, INC.**

(21) 2020201679

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(71) Vawdrey Australia Pty. Ltd.  
 (21) 2020201588 (22) 04.03.2020  
 (54) Improvements Relating to Curtain Sided Trucks and Trailers  
 (62) 2019229336

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(71) Verb Surgical Inc.  
 (21) 2020201561 (22) 03.03.2020  
 (54) User console system for robotic surgery  
 (62) 2017330370

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(71) VERIDIUM IP LIMITED  
 (21) 2020201558 (22) 03.03.2020  
 (54) SYSTEM AND METHOD FOR AUTHORIZING ACCESS TO ACCESS-CONTROLLED ENVIRONMENTS  
 (62) 2018203747

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(71) Verseon Corporation  
 (21) 2020201668 (22) 05.03.2020  
 (54) MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS  
 (62) 2018200736

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(71) ViaSat, Inc.  
 (21) 2020201591 (22) 04.03.2020  
 (54) Broadband Satellite Communication System Using Optical Feeder Links  
 (62) 2019246933

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(71) VIDEO GAMING TECHNOLOGIES, INC.  
 (21) 2020201640 (22) 05.03.2020  
 (54) Gaming machine with a curved display  
 (62) 2014373841

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(71) W. L. Gore & Associates, Inc.  
 (21) 2020201574 (22) 03.03.2020  
 (54) Implantable devices capable of selective degradation  
 (62) 2017207339

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(71) W. L. Gore & Associates, Inc.  
 (21) 2020201663 (22) 05.03.2020  
 (54) Affinity chromatography devices  
 (62) 2016297435

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(71) Werner Co.  
 (21) 2020201646 (22) 05.03.2020  
 (54) Stepladder with Latch Stud and Method  
 (62) 2018201936

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(71) Wright Medical Technology, Inc.  
 (21) 2020201624 (22) 04.03.2020  
 (54) Cartilage removal tool and method  
 (62) 2018229467

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(71) X Development LLC  
 (21) 2020201566 (22) 03.03.2020  
 (54) Inventory management  
 (62) 2017301538

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(71) Xyleco, Inc.  
 (21) 2020201563 (22) 03.03.2020  
 (54) Array For Processing Materials  
 (62) 2019200695

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(71) Yamaha Hatsudoki Kabushiki Kaisha  
 (21) 2020201692 (22) 06.03.2020  
 (54) Robot and robot control system  
 (62) 2016342272

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(71) Yeda Research and Development Co. Ltd.  
 (21) 2020201602 (22) 04.03.2020  
 (54) Reducing systemic regulatory T cell levels or activity for treatment of disease and injury of the CNS  
 (62) 2018220155

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**Yen, H. see Su, C.**  
 (21) 2020201681

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<b>2020201540</b>	TOYNE-DAVIES, Z.	<b>2020201621</b>	CATERPILLAR INC.
<b>2020201550</b>	LifeSci Pharmaceuticals, Inc.	<b>2020201622</b>	Seven Bridges Genomics Inc.
<b>2020201557</b>	Avalyn Pharma Inc.	<b>2020201623</b>	CATERPILLAR GLOBAL MINING EQUIPMENT LLC
<b>2020201558</b>	VERIDIUM IP LIMITED	<b>2020201624</b>	Wright Medical Technology, Inc.
<b>2020201559</b>	THE CLIMATE CORPORATION	<b>2020201625</b>	Patent Investment & Licensing Company
<b>2020201561</b>	Verb Surgical Inc.	<b>2020201626</b>	GrowlerWerks, Inc.
<b>2020201562</b>	SOLITON HOLDINGS CORPORATION, DELAWARE CORPORATION	<b>2020201627</b>	Aristocrat Technologies Australia Pty Limited
<b>2020201563</b>	Xyleco, Inc.	<b>2020201628</b>	Curtis, M.
<b>2020201564</b>	Hancock, R.E.	<b>2020201629</b>	Apple Inc.
<b>2020201565</b>	LIN, H.	<b>2020201630</b>	Glysens Incorporated
<b>2020201566</b>	X Development LLC	<b>2020201631</b>	FMC CORPORATION
<b>2020201567</b>	Mars, Incorporated	<b>2020201632</b>	Panduit Corp.
<b>2020201568</b>	SOLITON HOLDINGS CORPORATION, DELAWARE CORPORATION	<b>2020201633</b>	Omeros Corporation; University of Leicester
<b>2020201569</b>	Hirsch, J.; Bonner, C.	<b>2020201634</b>	Dexcom, Inc.
<b>2020201570</b>	Dolby International AB	<b>2020201635</b>	NuXcel, Inc.
<b>2020201571</b>	Covidien LP	<b>2020201636</b>	Mesoblast International Sarl
<b>2020201572</b>	Britax Child Safety, Inc.	<b>2020201637</b>	Fisher & Paykel Healthcare Limited
<b>2020201573</b>	Air Products and Chemicals, Inc.	<b>2020201638</b>	Exelixis, Inc.
<b>2020201574</b>	W. L. Gore & Associates, Inc.	<b>2020201639</b>	GENIUS VELO LIMITED
<b>2020201575</b>	Apple Inc.	<b>2020201640</b>	VIDEO GAMING TECHNOLOGIES, INC.
<b>2020201576</b>	Biosense Webster (Israel) Ltd.	<b>2020201641</b>	CareFusion 303, Inc.
<b>2020201577</b>	Chow Tai Fook Jewellery Company Limited; Megasoft Limited	<b>2020201642</b>	Oxitec Limited
<b>2020201578</b>	Chow Tai Fook Jewellery Company Limited	<b>2020201643</b>	Mars, Incorporated
<b>2020201579</b>	The Regents of The University of California	<b>2020201644</b>	Mars, Incorporated
<b>2020201580</b>	Taylor, S.	<b>2020201645</b>	Breakthrough Innovations, LLC
<b>2020201582</b>	The Boeing Company	<b>2020201646</b>	Werner Co.
<b>2020201583</b>	Terumo Kabushiki Kaisha	<b>2020201647</b>	Dolby International AB
<b>2020201584</b>	Apple Inc.	<b>2020201648</b>	Apple Inc.
<b>2020201585</b>	ALSTOM Transport Technologies	<b>2020201649</b>	The General Corporation
<b>2020201586</b>	Franke Technology and Trademark Ltd	<b>2020201650</b>	Lee Mu Tsai Investment Pty Ltd
<b>2020201587</b>	Regal Beloit America, Inc.	<b>2020201651</b>	Dejero Labs Inc.
<b>2020201588</b>	Vawdrey Australia Pty. Ltd.	<b>2020201652</b>	MASTERCARD INTERNATIONAL INCORPORATED
<b>2020201589</b>	Schumacher Electric Corp.	<b>2020201653</b>	Haupt, R.
<b>2020201590</b>	Mallinckrodt Hospital Products IP Limited	<b>2020201654</b>	Nepetx, LLC
<b>2020201591</b>	ViaSat, Inc.	<b>2020201655</b>	Precision Planting LLC
<b>2020201592</b>	Bauer Maschinen GmbH	<b>2020201656</b>	AbbVie Inc.
<b>2020201593</b>	Adobe Inc.	<b>2020201657</b>	Relbia Nominees Pty Ltd Trading as Floorex Products
<b>2020201594</b>	Grasslanz Technology Limited; The Grains Research and Development Corporation	<b>2020201658</b>	Araim Pharmaceuticals, Inc.
<b>2020201595</b>	ALLEGION (NEW ZEALAND) LIMITED	<b>2020201659</b>	Trends Home Electrical Pte. Ltd.
<b>2020201596</b>	Regeneron Pharmaceuticals, Inc.	<b>2020201660</b>	Amazon Technologies, Inc.
<b>2020201597</b>	OrthAlign, Inc.	<b>2020201661</b>	Elgi Rubber Company Limited
<b>2020201598</b>	Seres Therapeutics, Inc.	<b>2020201662</b>	Alibaba Group Holding Limited
<b>2020201599</b>	CFPH, LLC	<b>2020201663</b>	W. L. Gore & Associates, Inc.
<b>2020201600</b>	Amgen Inc.	<b>2020201664</b>	Crown Equipment Corporation
<b>2020201601</b>	Fisher & Paykel Healthcare Limited	<b>2020201665</b>	Cascade Corporation
<b>2020201602</b>	Yeda Research and Development Co. Ltd.	<b>2020201666</b>	British American Tobacco (Investments) Limited
<b>2020201603</b>	Bayer Healthcare LLC	<b>2020201667</b>	Implantica Patent Ltd
<b>2020201604</b>	Swiss VX Venentherapie und Forschung GmbH	<b>2020201668</b>	Verseon Corporation
<b>2020201605</b>	Bioncotech Therapeutics, S. L	<b>2020201670</b>	CiDRA Corporate Services Inc.
<b>2020201606</b>	Dr. Ing. h.c.F. Porsche Aktiengesellschaft	<b>2020201671</b>	Icomera AB
<b>2020201607</b>	KE, S.	<b>2020201674</b>	Caravello, D.
<b>2020201608</b>	Amgen Inc.	<b>2020201675</b>	Anglo American Services (UK) Ltd
<b>2020201609</b>	Apple Inc.	<b>2020201676</b>	HYTECON AG
<b>2020201610</b>	The Boeing Company	<b>2020201677</b>	Brunone, R.
<b>2020201611</b>	Hunter Douglas Inc.	<b>2020201678</b>	Innovative Tools Australia Pty Ltd
<b>2020201612</b>	Medtronic Minimed, Inc.	<b>2020201679</b>	TAV HOLDINGS, INC.; Valerio, T.
<b>2020201613</b>	Hunter Douglas Inc.	<b>2020201680</b>	Unger, E.C.
<b>2020201614</b>	Techtronic Cordless GP	<b>2020201681</b>	Su, C.; Yen, H.; Hsu, P.; Chen, C.
<b>2020201615</b>	NOVOLUTO GmbH	<b>2020201683</b>	Tyme, Inc.
<b>2020201616</b>	Levolor Inc.	<b>2020201684</b>	Touch Networks Australia Pty Ltd
<b>2020201617</b>	Arrowhead Pharmaceuticals, Inc.	<b>2020201685</b>	Illumina, Inc.
<b>2020201618</b>	LucasFilm Entertainment Company Ltd.	<b>2020201687</b>	The Boeing Company
<b>2020201619</b>	University of Washington	<b>2020201688</b>	Solar Choice Pty Ltd
<b>2020201620</b>	Feramda Ltd.	<b>2020201689</b>	Accenture Global Solutions Limited
		<b>2020201690</b>	Altus NZ Limited
		<b>2020201691</b>	Johns Hopkins University; Emory University
		<b>2020201692</b>	Yamaha Hatsudoki Kabushiki Kaisha
		<b>2020201693</b>	Mandometer AB

## Complete Applications Filed - Numerical Index cont'd

2020201694 Canon Kabushiki Kaisha  
2020201695 Sera Prognostics, Inc.  
2020201696 MIRteq Pty Limited  
2020201697 Marine Canada Acquisition Inc.  
2020201699 Google LLC  
2020201700 Saisei Pharma Co., Ltd.  
2020201701 Sera Prognostics, Inc.  
2020201702 CMS Technology, Inc.  
2020201703 Hilti Aktiengesellschaft  
2020201704 THE LUBRIZOL CORPORATION  
2020201705 Cardinal Health Switzerland 515 GmbH  
2020201706 Cylance Inc.  
2020201707 Geron Corporation  
2020201708 Dolby Laboratories Licensing Corporation  
2020201709 Incyte Holdings Corporation  
2020201710 Syngenta Limited  
2020201712 Accenture Global Solutions Limited  
2020201713 Schwarze Industries, Inc.  
2020201714 Aristocrat Technologies Australia Pty Limited  
2020201715 Amicus Therapeutics, Inc.  
2020201716 The Bowden Group

**Innovation Patent Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 3 Mar 2020 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

(71) AUSSIE FOOD TO YOU PTY LTD (21) 2020100317 (22) 04.03.2020 (54) Perishable Food traceability using odour detection	(71) Mitsubishi Heavy Industries Thermal Systems, Ltd. (21) 2020100313 (22) 04.03.2020 (54) PACKING CONTAINER AND SHEET MATERIAL FOR PACKING CONTAINER (62) PCT/JP2018/031444	(71) Vitale, D. (21) 2020100307 (22) 02.03.2020 (54) Pop Out Controllers for Gaming on Smartphone
(71) Beaton, A. (21) 2020100310 (22) 03.03.2020 (54) Building Sheet Support	(71) Nanjing Chervon Industry Co., Ltd. (21) 2020100314 (22) 04.03.2020 (54) GRASS TRIMMER HEAD AND GRASS TRIMMER LINE SUITABLE FOR A GRASS TRIMMER HEAD (31) 201910171300.9 (32) 07.03.19 (33) CN 201911399580.5 30.12.19 CN	(71) Waller, M. (21) 2020100316 (22) 04.03.2020 (54) A sustainable road base for public roads with the ratio of bitumen contents of 7% to 8% and crumb rubber contents of 1.8% and 2.5% by mass of total mix, in which the crumb rubber is specifically made to 0.6mm using recycled car tyres with high synthetic rubber.
(71) Commonwealth Scientific and Industrial Research Organisation (21) 2020100323 (22) 05.03.2020 (54) Solar Power Forecasting (62) 2017261849	(71) Parametric Systems Pty Ltd (21) 2020100309 (22) 03.03.2020 (54) Techniques for Controlling Interaction with an Application Database (31) 2019900923 (32) 20.03.19 (33) AU 2019900924 20.03.19 AU	(71) Zoghbi, Z. (21) 2020100324 (22) 05.03.2020 (54) Mirrors fitted with wipers and wash for trucks and Buses and machinery
(71) CULLEN, M. (21) 2020100325 (22) 05.03.2020 (54) A MULTI-PART EXHAUST MANIFOLD AND METHOD OF CONNECTING SAME	(71) Qilu University of Technology (21) 2020100319 (22) 04.03.2020 (54) METHOD FOR PREPARING CELLULOSE NANOFIBRILS BY DEEP EUTECTIC SOLVENT PRETREATMENT	
(71) First Nations Blockchain Pty Ltd (21) 2020100312 (22) 04.03.2020 (54) A blockchain system for holding the provenance of valuable items including artworks and identifying original art and artists. The system includes Unique Identifiers using ARTIFICIAL INTELLIGENCE and a proprietary blockchain trading platform.	(71) Reid, C. (21) 2020100326 (22) 05.03.2020 (54) Displaying plates on transparent barriers	
(71) Hannay Douglas Pty Ltd (21) 2020100322 (22) 04.03.2020 (54) VAPOUR HEAT TREATMENT APPARATUS AND METHOD (31) 2020900151 (32) 20.01.20 (33) AU	(71) Rootank Pty Ltd (21) 2020100320 (22) 04.03.2020 (54) METHOD, INFRASTRUCTURE AND APPARATUS FOR FIRE FIGHTING USE (62) 2018271414	
(71) Hansen Price Pty Ltd (21) 2020100311 (22) 03.03.2020 (54) Collapsible Mast	(71) Sakari Pty Ltd (21) 2020100315 (22) 04.03.2020 (54) AN IMPROVED COOKED PRODUCT, DOUGH OR BATTER AND DOUGH OR BATTER MAKING PROCESS (31) 2019901046 (32) 28.03.19 (33) AU	
(71) K & L Ea Pty Ltd (21) 2020100318 (22) 04.03.2020 (54) Foldable Target Board	(71) Techtronic Cordless GP (21) 2020100321 (22) 04.03.2020 (54) Battery pack for a power tool, battery charger for such battery pack, and power tool for such battery pack (31) 29/704,570 (32) 05.09.19 (33) US 29/704,572 05.09.19 US 29/704,580 05.09.19 US	
(71) Lanarkshire Health Board (21) 2020100308 (22) 03.03.2020 (54) Emergency Mobile Scales (31) 108202617 (32) 05.03.19 (33) TW 201921745685.7 17.10.19 CN 108215935 29.11.19 TW		



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<b>2020100307</b>	Vitale, D.	<b>2020100318</b>	K & L Ea Pty Ltd
<b>2020100308</b>	Lanarkshire Health Board	<b>2020100319</b>	Qilu University of Technology
<b>2020100309</b>	Parametric Systems Pty Ltd	<b>2020100320</b>	Rootank Pty Ltd
<b>2020100310</b>	Beaton, A.	<b>2020100321</b>	Techtronic Cordless GP
<b>2020100311</b>	Hansen Price Pty Ltd	<b>2020100322</b>	Hannay Douglas Pty Ltd
<b>2020100312</b>	First Nations Blockchain Pty Ltd	<b>2020100323</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2020100313</b>	Mitsubishi Heavy Industries Thermal Systems, Ltd.	<b>2020100324</b>	Zoghbi, Z.
<b>2020100314</b>	Nanjing Chervon Industry Co., Ltd.	<b>2020100325</b>	CULLEN, M.
<b>2020100315</b>	Sakari Pty Ltd	<b>2020100326</b>	Reid, C.
<b>2020100316</b>	Waller, M.		
<b>2020100317</b>	AUSSIE FOOD TO YOU PTY LTD		

**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
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
- F Patents on which an examination has been requested or report issued
- G Patents Certified
  
- N Applications not Open to Public Inspection

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1995019478 ( 14 )    1995019750 ( 14 )

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2000019482 ( 14 )    2000019522 ( 14 )    2000019547 ( 14 )  
 2000019548 ( 14 )    2000019553 ( 14 )    2000019559 ( 14 )  
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2010251782 ( 14 )

**2012**

2012100201 ( 22 )    2012100204 ( 22 )    2012100206 ( 22 )  
 2012100211 ( 22 )    2012100212 ( 22 )    2012100216 ( 22 )  
 2012100217 ( 22 )    2012100220 ( 22 )    2012100233 ( 22 )  
 2012100241 ( 22 )    2012101964 ( 22 )

**2013**

2013101483 ( 22 )    2013388133 ( 25D )

**2014**

2014202504 ( 5C )    2014203056 ( 5C )    2014215586 ( 5C )  
 2014234005 ( 5C )    2014255446 ( 5C )    2014262469 ( 25D )  
 2014263397 ( 5C )    2014268452 ( 5C )    2014278473 ( 5C )  
 2014284518 ( 5C )    2014306781 ( 5C )    2014307803 ( 5C )  
 2014312310 ( 5C )    2014316791 ( 5C )    2014341975 ( 5C )  
 2014342624 ( 5C )    2014346354 ( 5C )

**2015**

2015202879 ( 5C )    2015214145 ( 5C )    2015229750 ( 5C )  
 2015230977 ( 5C )    2015234682 ( 5C )    2015236102 ( 5C )  
 2015241267 ( 5C )    2015243541 ( 5C )    2015248063 ( 5C )  
 2015255634 ( 5C )    2015255639 ( 5C )    2015255756 ( 5C )  
 2015263853 ( 5C )    2015268634 ( 5C )    2015271708 ( 5C )  
 2015277208 ( 5C )    2015284371 ( 5C )    2015285821 ( 5C )  
 2015292613 ( 5C )    2015317886 ( 5C )    2015328759 ( 5C )  
 2015350086 ( 5C )    2015358426 ( 5C )    2015359078 ( 5C )  
 2015365739 ( 5C )    2015387180 ( 1B )

**2016**

2016201823 ( 1B )    2016207228 ( 5C )    2016219726 ( 1B )  
 2016219735 ( 1B )    2016232048 ( 1B )    2016232107 ( 1B )  
 2016232309 ( 1B )    2016232715 ( 1B )    2016232719 ( 1B )  
 2016232863 ( 1B )    2016233311 ( 1B )    2016236829 ( 1B )  
 2016238567 ( 1B )    2016241407 ( 1B )    2016243656 ( 1B )  
 2016262503 ( 5C )    2016264864 ( 5C )    2016308130 ( 5C )  
 2016312934 ( 5C )    2016314986 ( 1B )    2016317759 ( 1B )  
 2016323422 ( 5C )    2016335557 ( 5C )    2016361912 ( 1B )  
 2016363632 ( 1B )    2016366405 ( 1B )    2016366698 ( 1B )  
 2016366977 ( 1B )    2016368696 ( 1B )    2016369372 ( 5C )  
 2016370961 ( 5C )    2016371916 ( 5C )    2016382452 ( 25D )  
 2016385417 ( 5C )    2016388514 ( 1B )    2016408521 ( 5C )

**2017**

2017208806 ( 1B )    2017210646 ( 5C )    2017211214 ( 1B )  
 2017213524 ( 5C )    2017219027 ( 5C )    2017234643 ( 5C )  
 2017235900 ( 5C )    2017236723 ( 5C )    2017251802 ( 5C )  
 2017258865 ( 5C )    2017258950 ( 5C )    2017265089 ( 5C )  
 2017267631 ( 5C )    2017273725 ( 5C )    2017276233 ( 5C )  
 2017276268 ( 5C )    2017296226 ( 5C )

**2018**

2018102151 ( 18A )    2018200217 ( 5C )    2018200242 ( 5C )  
 2018200893 ( 5C )    2018200953 ( 5C )    2018200986 ( 5C )  
 2018200996 ( 5C )    2018200997 ( 5C )    2018201007 ( 5C )

2018201061 ( 5C )    2018201286 ( 5C )    2018201542 ( 5C )  
 2018201577 ( 5C )    2018201787 ( 5C )    2018202082 ( 5C )  
 2018202315 ( 25D )    2018202347 ( 5C )    2018202486 ( 5C )  
 2018202606 ( 5C )    2018202784 ( 5C )    2018203290 ( 5C )  
 2018203612 ( 5C )    2018203664 ( 5C )    2018203956 ( 5C )  
 2018204227 ( 5C )    2018204461 ( 5C )    2018204915 ( 5C )  
 2018204916 ( 5C )    2018206771 ( 5C )    2018208640 ( 5C )  
 2018211238 ( 5C )    2018213982 ( 5C )    2018214060 ( 5C )  
 2018214061 ( 5C )    2018214096 ( 5C )    2018220080 ( 5C )  
 2018223028 ( 5C )    2018236707 ( 5C )    2018247286 ( 5C )  
 2018247302 ( 5C )    2018256674 ( 25D )

**2019**

2019100599 ( 21F )    2019101676 ( 12AN )    2019200114 ( 5C )  
 2019280036 ( 1B )    2019280054 ( 1B )    2019280055 ( 1B )  
 2019280056 ( 1B )    2019280083 ( 1B )    2019283825 ( 1B )  
 2019900927 ( 12AN )    2019901230 ( 12AN )

**2020**

2020900027 ( 12AN )

**Assignments before Grant, Section 113**

**2014**

2014328401 Saliba, Jad    The application has been assigned to **Magnet Forensics Inc.**

2014360597 Epimeron Inc.    The application has been assigned to **Willow Biosciences Inc.**

**2015**

2015268649 JHF Australia Pty Ltd    The application has been assigned to **Aussie International Group Pty Ltd**

2015287227 Novartis AG; Universitat Zurich    The application has been assigned to **UNIVERSITAT ZURICH**

2015363165 Huntsman Petrochemical LLC    The application has been assigned to **Indorama Ventures Oxides LLC**

**2016**

2016271428 Avanbio Inc.    The application has been assigned to **The EmerTher Company**

2016322891 Huntsman Petrochemical LLC    The application has been assigned to **Indorama Ventures Oxides LLC**

**2017**

2017208133 Novartis AG; Universität Zürich    The application has been assigned to **UNIVERSITAT ZURICH**

2017228805 Huntsman Petrochemical LLC    The application has been assigned to **Indorama Ventures Oxides LLC**

2017240417 Huntsman Petrochemical LLC    The application has been assigned to **Indorama Ventures Oxides LLC**

2017312474 Huntsman Petrochemical LLC    The application has been assigned to **Indorama Ventures Oxides LLC**

2017346559 Maini, Brijeshwar    The application has been assigned to **East End Medical LLC.**

**Assignments before Grant, Section 113**

2017353625 Kraft Foods R&D, Inc.    The application has been assigned to **Kraft Foods Schweiz Holding GmbH**

2017355295 Huntsman Petrochemical LLC    The application has been assigned to **Indorama Ventures Oxides LLC**

**2018**

2018204633 Tonix Pharmaceuticals, Inc.    The application has been assigned to **Tonix Pharma Holdings Limited**

2018207689 Huntsman Petrochemical LLC    The application has been assigned to **Indorama Ventures Oxides LLC**

2018217203 General Electric Company    The application has been assigned to **Current Lighting Solutions, LLC**

2018228491 Huntsman Petrochemical LLC    The application has been assigned to **Indorama Ventures Oxides LLC**

2018241128 Tonix Pharmaceuticals, Inc.    The application has been assigned to **Tonix Pharma Holdings Limited**

2018243746 Nottingham Spirk Design Associates, Inc.    The application has been assigned to **Signalence, Inc.**

2018258211 Huntsman Petrochemical LLC    The application has been assigned to **Indorama Ventures Oxides LLC**

2018258337 Hahn, Elliot; Glover, Hillel    The application has been assigned to **Glover, Hillel**

2018281994 Huntsman Petrochemical LLC    The application has been assigned to **Indorama Ventures Oxides LLC**

**2019**

2019203451 KRAFT FOODS R&D, INC.    The application has been assigned to **Kraft Foods Schweiz Holding GmbH**

2019283793 Prowood Limited; Woodman, John    The application has been assigned to **Rippleffect Trust Limited**

2019902203 QUALITY FABRICATION & ENGINEERING PTY LTD    The application has been assigned to **QFE Holdings Pty. Ltd.**

2019903796 QUALITY FABRICATION & ENGINEERING PTY LTD    The application has been assigned to **QFE Holdings Pty. Ltd.**

**2020**

2020201069 BEIGENE, LTD.    The application has been assigned to **BeiGene Switzerland GmbH**

**Extensions of Time, Section 223**

**Applications Received**

**Extensions of Time, Section 223**

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.

**2013**

2013203362 **iSport Marketing Pty Ltd** An application to extend the time from 10 Apr 2019 to 10 Nov 2019 in which to pay a renewal fee has been filed . Address for service - SLICED INTERNATIONAL PTY LIMITED 11 Pentonville Pde Castle Hill NSW 2154 AU

**2016**

2016102419 **Newseal Minerals and Coatings Ltd.** An application to extend the time from 07 Oct 2019 to 07 Mar 2020 in which to comply with a direction under Reg 3.2C has been filed . Address for service - Michael Buck IP 159 Musgrave Road Red Hill QLD 4059 AU

**2017**

2017322766 **Layjet Micro-Rohr Verleagesellschaft M.b.h.** An application to extend the time from 08 Apr 2019 to 08 Feb 2020 in which to enter the National Phase has been filed . Address for service - Lord & Company PO Box 530 West Perth WA 6872 AU

**2018**

2018201320 **Solar Cubed Development, LLC** An application to extend the time from 22 May 2019 to 22 Dec 2019 in which to pay a continuation fee has been filed . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 Royal Exchange SYDNEY NSW 1225 AU

2018258116 **Reliance Worldwide Corporation; Osteen, william clinton; Succuro, Davide** An application to extend the time from 24 Nov 2019 to 24 Jan 2020 in which to enter the National Phase has been filed . Address for service - Allens Patent & Trade Mark Attorneys 101 Collins St MELBOURNE VIC 3000 AU

**Applications Allowed - Section 223(2)****2006**

2006301914 **Bluepoint International Pty Ltd** The time in which to pay a renewal fee has been extended to 06 Nov 2019 . Address for service - Baxter Patent Attorneys Pty Ltd Se 2, L 3A 1 Bligh St Sydney NSW 2000 AU

**2011**

2011221365 **Light-Weight Concrete Townsville Pty Ltd** The time in which to pay a renewal fee has been extended to 07 May 2019 . Address for service - Matt Roulston PO Box 718 Hyde Park Castletown Townsville QLD 4812 AU

**2018**

2018203074 **Icon Aircraft, Inc.** The time in which to gain acceptance has been extended to 12 Apr 2020 . Address for service - Wallington-Dummer Se 1005 37 Bligh St Sydney NSW 2000 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.

**Amendments**

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.

**2013**

2013372962 Systems and methods for reducing the energy requirements of a carbon dioxide capture plant **Fluor Technologies Corporation** The nature of the amendment is: Amend the name of the inventor to read Reddy, Satish and Yonkoski, Joe . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 BRISBANE QLD 4001 AU

**2014**

2014262247 Therapeutic biologic for treatment of hepatocellular carcinoma **Circular Commitment Company** The nature of the amendment is as shown in the statement(s) filed 03 Mar 2020 . Address for service - Davies Collision Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2014331645 Protein-polymer-drug conjugates **Asana Biosciences, LLC** The nature of the amendment is as shown in the statement(s) filed 04 Mar 2020 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

**2015**

2015209063 MHC class I epitope delivering polypeptides **Molecular Templates, Inc.** The nature of the amendment is as shown in the statement(s) filed 21 Feb 2020 . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

2015273325 A collapsible incubator **mOm Incubators Ltd** The nature of the amendment is as shown in the statement(s) filed 28 Feb 2020 . Address for service - Pini IP Se 2 99 Drummond St Carlton VIC 3053 AU

2015349771 Stabilizer compositions and methods for using same for protecting organic materials from UV light and thermal degradation **Cytec Industries Inc.** The nature of the amendment is as shown in the statement(s) filed 05 Mar 2020 . Address for service - Phillips Ormonde Fitzpatrick 333 Collins St Melbourne VIC 3000 AU

**2016**

2016262780 Luminaire **CEAG Notlichtsysteme GmbH** The nature of the amendment is as shown in the statement(s) filed 20 Jan 2020 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2017**

2017208033 Modified plant **Sun Pharmaceutical Industries Australia Pty Limited** The nature of the amendment is as shown in the statement(s) filed 17 Jan 2020 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 Collins Street West VIC 8007 AU

2017297299 Dose detection module for a medication delivery device **Eli Lilly and Company** The nature of the amendment is as shown in the statement(s) filed 20 Feb 2020 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018202302 Signatures And Determinants For Diagnosing Infections And Methods Of Use Thereof **MeMed Diagnostics Ltd.** The nature of the amendment is as shown in the statement(s) filed 26 Feb 2020 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Amendments Made**

**Amendments**

**2014**

2014201979 **CSR Building Products Limited** The nature of the amendment is as shown in the statement filed 11 Jan 2019

**2015**

2015279548 **10X Genomics, Inc.** The nature of the amendment is: Amend the name of the inventor to read Hindson, Benjamin J.; Hindson, Christopher Martin; Schnall-Levin, Michael; Ness, Kevin Dean; Jarosz, Mirna; Saxonov, Serge; Hardenbol, Paul; Bharadwaj, Rajiv; Zheng, Xinying and Belgrader, Philip

2015301609 **Excelsior Medical Corporation** The nature of the amendment is: Amend the invention title to read Disinfectant caps

**2016**

2016219534 **Memorial Sloan Kettering Cancer Center; Massachusetts Institute of Technology** The nature of the amendment is: Amend the name of the inventor to read Cheal, Sarah M.; Xu, Hong; Larson, Steven M.; Cheung, Nai-Kong; Wittrup, Karl Dane and Tzeng, Alice

2016228126 **PBC IP Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2016102439

2016249537 **Merck Patent GmbH** The nature of the amendment is: Amend the invention title to read 3-(1H-Benzimidazol-2-yl)-1H-pyridin-2-one derivatives

**2017**

2017265065 **Transking Corporation Pty Limited** The nature of the amendment is: Amend the name of the inventor to read KING, Lindsay Alexander

2017298750 **NEC Platforms, Ltd.** The nature of the amendment is: Amend the invention title to read INCOMING-CALL NUMBER NOTIFICATION APPARATUS, EXCHANGE, INCOMING-CALL NUMBER NOTIFICATION SYSTEM, AND COMPUTER

2017361118 **Baraja Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Bondy Collarte, Federico; Pulikkaseril, Cibby; Lodin, Rebecca and Tabacchini, Andrea

2017425816 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read METHOD FOR OBTAINING DATA RADIO BEARER IDENTIFIER AND BASE STATION

**2018**

2018201841 **ServiceNow, Inc.** The nature of the amendment is: Application is to proceed under the number 2018101162

2018225123 **Biomet Manufacturing, LLC** The nature of the amendment is as shown in the statement filed 03 Mar 2020

2018228068 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Control System for a work vehicle, method for setting trajectory of work implement, and work vehicle

**Amendments**

2018232045 **Jiangsu SMTP Technology Co., Ltd.** The nature of the amendment is: Amend the invention title to read ULTRASONIC SCALPEL BIT

2018243593 **The NOCO Company** The nature of the amendment is as shown in the statement filed 12 Feb 2020

2018245330 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Control system for work vehicle, method for setting trajectory of work implement, and work vehicle

2018249904 **Nanyang Polytechnic; Singapore Health Services Pte Ltd** The nature of the amendment is: Amend the name of the inventor to read Lam, Kwai Fern; Ng, Chin Tiong; Low, Jia Xin; Phua, Chee Teck; Yap, Jiunn Liang Jonathan; Tan, Swee Yaw; Wong, En Hou Philip and Choo, Keng Wah

2018266248 **Encycle Therapeutics, Inc.** The nature of the amendment is: Amend the invention title to read Homodetic cyclic peptides targeting a4#7 integrin

2018287736 **TECHTRONIC CORDLESS GP** The nature of the amendment is: Amend the name of the inventor to read Pougher, Simon Matthew; Holmes, Darren; Waters, Richard; Jaanus, Anna and Casella, Jose

2018287739 **TECHTRONIC CORDLESS GP** The nature of the amendment is: Amend the name of the inventor to read Pougher, Simon Matthew; Holmes, Darren; Waters, Richard; Jaanus, Anna and Casella, Jose

2018291393 **Profusa, Inc.** The nature of the amendment is: Amend the name of the inventor to read Balaconis, Mary K.; Nichols, Scott; Guidry, Sierra; Zhang, Yu; Schweller, Ryan; Gamsey, Soya; Clary, Jacob William; Pradhan, Sulolit and Wisniewski, Natalie

2018306795 **Angel Playing Cards Co., Ltd.** The nature of the amendment is: Amend the invention title to read Game token money, method of manufacturing game token money, and inspection system

2018310374 **Shanghai Hongyan Returnable Transit Packagings Co., Ltd.** The nature of the amendment is: Amend the invention title to read Fluid discharge system and the squeezer thereof

2018310375 **Shanghai Hongyan Returnable Transit Packagings Co., Ltd.** The nature of the amendment is: Amend the invention title to read Fluid discharge system and the squeezer thereof

2018313879 **MedImmune, LLC.** The nature of the amendment is: Amend the invention title to read DEVICE ACCESSORY FOR DIGITALLY MONITORING AUTOINJECTOR USAGE FOR IMPROVED COMPLIANCE, REMOTE PATIENT MONITORING, AND ADHERENCE

2018313879 **MedImmune, LLC.** The nature of the amendment is: Amend the name of the inventor to read SONG, Michael C. and SUBRAMONY, Janardhanan Anand

2018314249 **Amyris, Inc.** The nature of the amendment is as shown in the statement filed 18 Feb 2020

2018314879 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read RNA ALLOCATION METHOD, NETWORK DEVICE, AND TERMINAL

**Amendments**

2018315298 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read DATA TRANSMISSION METHOD, DEVICE, TERMINAL DEVICE, NETWORK DEVICE, COMPUTER READABLE STORAGE MEDIUM, CHIP AND DATA COMMUNICATIONS SYSTEM

2018315349 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read DATA INTEGRITY PROTECTION METHOD, COMMUNICATION APPARATUS, TERMINAL DEVICE, ACCESS NETWORK DEVICE, CORE NETWORK DEVICE, COMPUTER READABLE MEDIUM, AND COMMUNICATION SYSTEM

2018315384 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read METHOD FOR DETERMINING FEEDBACK INFORMATION, TERMINAL DEVICE, AND NETWORK DEVICE

2018315385 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read COMMUNICATION METHOD, COMMUNICATIONS APPARATUS, AND COMPUTER STORAGE MEDIUM

2018315437 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read Method for determining audio coding/decoding mode and related product

2018316466 **Assa Abloy Entrance Systems AB** The nature of the amendment is: Amend the name of the inventor to read Leopard, Patrik

2018317155 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read SESSION HANDLING METHOD AND APPARATUS

2018319549 **The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College; University of Alcalá de Henares** The nature of the amendment is: Amend the name of the inventor to read BAZAN, Nicolas; BAZAN, Hernan; ALVAREZ-BUILLA, Julio; PAUL, Dennis and BURGOS, Carolina

2018321896 **JRSK, Inc.** The nature of the amendment is as shown in the statement filed 21 Feb 2020

2018322489 **Baraja Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read PULIKKASERIL, Cibby and BONDY COLARTE, Federico

2018329314 **Daikin Industries, Ltd.** The nature of the amendment is: Amend the invention title to read Air-Conditioning System or Refrigerant Branch Unit

2018331922 **Oki, H.; Murata, Y.; Tanaka, A.; Ogura, H.** The nature of the amendment is: Amend the invention title to read A BAG FOR PREVENTION OF PUTREFACTION OF FOODSTUFFS, AND A STRUCTURE FOR PREVENTION OF PUTREFACTION OF FOODSTUFFS CONTAINED IN THE BAG

2018332470 **LG CHEM, LTD.; Farmhannong Co., Ltd** The nature of the amendment is: Amend the invention title to read CONTROLLED-RELEASE TYPE FERTILIZER WITH DECREASED FLOATING PROPERTY COMPRISING TRI-BLOCK COPOLYMER AND METHOD FOR PREPARING THE SAME

**Amendments**

2018332471 **LG Chem, Ltd.** The nature of the amendment is: Amend the invention title to read A CONTROLLED-RELEASE TYPE FERTILIZER WITH DECREASED FLOATING PROPERTY COMPRISING POLYOXYETHYLENE ALKYL(-ARYL) ETHER AND METHOD FOR PREPARING THE SAME

2018338249 **Nippon Telegraph and Telephone Corporation** The nature of the amendment is: Amend the invention title to read Secure reading apparatus, secure writing apparatus, method thereof, and program

2018343769 **Nichiha Corporation** The nature of the amendment is: Amend the invention title to read INORGANIC BOARD AND METHOD FOR PRODUCING THE SAME

2018353633 **Hitachi, Ltd.; Hitachi Rail STS S.p.A.** The nature of the amendment is: Amend the invention title to read TIMETABLE MODIFICATION DEVICE AND AUTOMATIC TRAIN CONTROL SYSTEM

2018355917 **Quantropi Inc.** The nature of the amendment is: Amend the name of the inventor to read KUANG, Randy

**2019**

2019200444 **Agency for Defense Development** The nature of the amendment is: Amend the invention title to read Apparatus and method for determining an air mass flow rate of a supersonic inlet

2019202153 **TTI (MACAO COMMERCIAL OFFSHORE) LIMITED** The nature of the amendment is: Application is to proceed under the number 2019101721

2019232908 **Neogen Corporation** The nature of the amendment is: Amend the name of the inventor to read NELSON, John; BISWAS, Preetha; ZHANG, Lei; MOZOLA, Mark; PINKAVA, Lisa; BROOKMAN, David; HOSKING, Edan Robert and DONOFRIO, Robert Scott

2019246095 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Control system for work vehicle, method, and work vehicle

**2020**

2020200624 **Axon Neuroscience SE** The nature of the amendment is: Amend the invention title to read Protein-based therapy and diagnosis of tau-mediated pathology in Alzheimer's disease

2020201050 **MAX CO., LTD.** The nature of the amendment is: Amend the priority details to read 2019-023,659 13 Feb 2019 JP

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

**2002**

2002223008 **Huntsman Corporation Australia Pty Ltd** The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

**2003**

2003302899 **Huntsman Corporation Australia Pty Ltd** The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

**Amendments**

**2005**

2005321984 Huntsman Corporation Australia Pty. Ltd. The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

**2008**

2008306520 Huntsman Corporation Australia Pty Limited The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

**2010**

2010244980 HUNTSMAN CORPORATION AUSTRALIA PTY. LIMITED The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

2010276088 HUNTSMAN CORPORATION AUSTRALIA PTY LIMITED The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

**2011**

2011218041 BioTime Inc. The name of the patentee has been altered to **Lineage Cell Therapeutics, Inc.**

2011308076 Huntsman Corporation Australia Pty Limited The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

**2012**

2012267212 Huntsman Corporation Australia Pty Limited The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

2012267213 Huntsman Corporation Australia Pty Limited The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

**2013**

2013225608 Huntsman Corporation Australia Pty Limited The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

2013225609 Huntsman Corporation Australia Pty Limited The name of the patentee has been altered to **Indorama Ventures Oxides Australia Pty Limited**

2013366513 Selvita S.A. The name of the patentee has been altered to **Ryvu Therapeutics S.A.**

**2014**

2014332126 Agdia, Inc The name of the patentee has been altered to **Agdia Inc.**

**2016**

2016215482 Keith McBride The name of the applicant has been altered to **Bioness Inc.**

2016321618 Evonik Technochemie GmbH The name of the patentee has been altered to **Evonik Operations GmbH**

**Amendments**

2016321767 Evonik Technochemie GmbH The name of the patentee has been altered to **Evonik Operations GmbH**

2016378641 Bisy e.U The name of the applicant has been altered to **bisy GmbH**

**2017**

2017361105 Huntsman Corporation Australia Pty Limited The name of the applicant has been altered to **Indorama Ventures Oxides Australia Pty Limited**

2017436646 JGC Corporation The name of the applicant has been altered to **JGC Holdings Corporation**

**2018**

2018211308 BioTime, Inc. The name of the applicant has been altered to **Lineage Cell Therapeutics, Inc.**

2018329661 The United States of America, as represented by the Secretary, Department of Health and Human Services The name of the applicant has been altered to **The United States of America, as represented by The Secretary, Department of**

**2019**

2019270185 Illumina, Inc.; University of Washington; Shendure, Jay; Yin, Yi The name of the applicant has been altered to **Illumina, Inc.; University of Washington**

2019271981 Electronics Commodities Exchange The name of the applicant has been altered to **Electronic Commodities Exchange, L.P.**

2019900962 XBlades Pty. Ltd. The name of the applicant has been altered to **XBlades Sports Australia Pty Ltd**

2019901825 Ashley Dean Olsson The name of the applicant has been altered to **Olsson, A.**

2019903141 HUNTSMAN CORPORATION AUSTRALIA PTY LIMITED The name of the applicant has been altered to **Indorama Ventures Oxides Australia Pty Limited**

**2020**

2020201271 Omeros Corporation The name of the applicant has been altered to **University of Leicester; Omeros Corporation**

2020201274 Angel Playing Cards Co., Ltd The name of the applicant has been altered to **Angel Playing Cards Co., Ltd.**

Applications Open to Public Inspection

Name Index

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

<p>(71) Acceleron Pharma Inc.                      (11) AU-A-2020201526                      (21) 2020201526 (22) 02.03.2020                      (54) ActRII receptor polypeptides, methods and compositions                      (51) Int. Cl.                      C07K 14/705 ( 2006.01 )                      A61K 38/00 ( 2006.01 )                      A61K 38/17 ( 2006.01 )                      A61K 39/395 ( 2006.01 )                      A61P 19/00 ( 2006.01 )                      A61P 21/00 ( 2006.01 )                      A61P 25/00 ( 2006.01 )                      C12N 15/00 ( 2006.01 )                      (43) 19.03.2020                      (62) 2017208295                      (72) Knopf, John; Seehra, Jasbir                      (74) Shelston IP Pty Ltd.</p>	<p>(43) 19.03.2020                      (72) LI, Chung-Sheng; MUNGUIA TAPIA, Emmanuel; XIONG, Guanglei; GOLD-STEIN, Jill K.; FAN, Jingyun; SINHA, Rajeev; SHROFF, Manoj; GHASEMIESFEH, Golnaz; MOHARRERI, Kayhan; TATA, Swati; SAMANTA, Pratip; SHIVARAM, Madhura; JUNEJA, Akanksha; SOLANKI, Anshul; JETCHEVA, Jorjeta; CHOWDHARY, Priyanka; VIG, Rishi; JOHNSON, Kyle Patrick; GHORBANI, Mohammad Jawad                      (74) Murray Trento &amp; Associates Pty Ltd</p>	<p>(51) Int. Cl.                      G06F 1/16 ( 2006.01 )                      (31) 16/122,120 (32) 05.09.18 (33) US                      (43) 19.03.2020                      (72) HUANG, Yu-Chia; KLINKMAN, Alex James                      (74) Griffith Hack</p>
<p>(71) Accenture Global Solutions Limited                      (11) AU-A-2019216644                      (21) 2019216644 (22) 14.08.2019                      (54) AUTOMATION AND DIGITALIZATION OF DOCUMENT PROCESSING SYSTEMS                      (51) Int. Cl.                      G06K 9/00 ( 2006.01 )                      (31) 16/115,215 (32) 28.08.18 (33) US                      (43) 19.03.2020                      (72) GHATAGE, Prakash; VISWANATHAN, Kumar; FERNANDES, Sebastian; THANGARAJ, Naveen Kumar                      (74) Murray Trento &amp; Associates Pty Ltd</p>	<p>(71) Accenture Global Solutions Limited                      (11) AU-A-2019219754                      (21) 2019219754 (22) 20.08.2019                      (54) REPORT GENERATION                      (51) Int. Cl.                      G06Q 10/10 ( 2012.01 )                      (31) 16/119,681 (32) 31.08.18 (33) US                      (43) 19.03.2020                      (72) LI, Chung-Sheng; DASAPPA, Guruprasad; JADHAV, Suraj Govind; SHROFF, Manoj                      (74) Murray Trento &amp; Associates Pty Ltd</p>	<p>(71) Acorn Engineering Company                      (11) AU-A-2019226123                      (21) 2019226123 (22) 02.09.2019                      (54) Folded towel dispenser                      (51) Int. Cl.                      A47K 10/32 ( 2006.01 )                      (31) 62/727,349 (32) 05.09.18 (33) US                      (43) 19.03.2020                      (72) BOELTL, Darryl M.                      (74) Spruson &amp; Ferguson</p>
<p>(71) Accenture Global Solutions Limited                      (11) AU-A-2019219746                      (21) 2019219746 (22) 20.08.2019                      (54) ARTIFICIAL INTELLIGENCE BASED CORPUS ENRICHMENT FOR KNOWLEDGE POPULATION AND QUERY RESPONSE                      (51) Int. Cl.                      G06Q 30/04 ( 2012.01 )                      G06N 5/00 ( 2006.01 )                      (31) 201811032723 (32) 31.08.18 (33) IN 16/195,471 19.11.18 US                      (43) 19.03.2020                      (72) GUGGILLA, Chinnappa; SHISHTLA, Praneeth; SHIVARAM, Madhura                      (74) Murray Trento &amp; Associates Pty Ltd</p>	<p>(71) Accenture Global Solutions Limited                      (11) AU-A-2019219756                      (21) 2019219756 (22) 20.08.2019                      (54) INFORMATION PLATFORM FOR A VIRTUAL ASSISTANT                      (51) Int. Cl.                      G06F 17/00 ( 2019.01 )                      (31) 201841032762 (32) 31.08.18 (33) IN                      (43) 19.03.2020                      (72) VIRA, Ashok; IYER, Raghavan; AGARWAL, Sangita; SRIKANTH, N.R.; MURUGAPPAN, Chellappan; KOMMARAJU, Swetha; NARAYANAN, Sankara C.                      (74) Murray Trento &amp; Associates Pty Ltd</p>	<p>(71) Agency for Defense Development                      (11) AU-A-2019201015                      (21) 2019201015 (22) 14.02.2019                      (54) Method and apparatus for compensating air data using inertial navigation data                      (51) Int. Cl.                      G01C 21/16 ( 2006.01 )                      (31) 10-2018-0103038 (32) 30.08.18 (33) KR                      (43) 19.03.2020                      (72) Park, Jung Woo; Park, Ik Soo; Ki, Tae Seok; Hwang, Su Kweon                      (74) Davies Collison Cave Pty Ltd</p>
<p>(71) Accenture Global Solutions Limited                      (11) AU-A-2019219747                      (21) 2019219747 (22) 20.08.2019                      (54) EMPLOYEE CONCIERGE                      (51) Int. Cl.                      G06Q 10/06 ( 2012.01 )                      (31) 16/119,774 (32) 31.08.18 (33) US</p>	<p>(71) Accenture Global Solutions Limited                      (11) AU-A-2019219820                      (21) 2019219820 (22) 22.08.2019                      (54) IDENTIFYING AN ISSUE ASSOCIATED WITH DATA                      (51) Int. Cl.                      G06N 5/00 ( 2006.01 )                      (31) 16/119,622 (32) 31.08.18 (33) US                      (43) 19.03.2020                      (72) SWAMY, Jayant; DE, Brajesh; SALGAONKAR, Unmesh; DALAL, Dhanashree; NATARAJAN, Sankar; NAYAR, Anitha; VOHRA, Sanjeev                      (74) Murray Trento &amp; Associates Pty Ltd</p>	<p>(71) Air Products and Chemicals, Inc.                      (11) AU-A-2020201573                      (21) 2020201573 (22) 03.03.2020                      (54) PARALLEL COMPRESSION IN LNG PLANTS USING A DOUBLE FLOW COMPRESSOR                      (51) Int. Cl.                      F25J 1/00 ( 2006.01 )                      (43) 19.03.2020                      (62) 2018202124                      (72) Roberts, Mark Julian; Krishnamurthy, Gowri; Wehrman, Joseph Gerard                      (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p>
<p>(71) Accenture Global Solutions Limited                      (11) AU-A-2019219747                      (21) 2019219747 (22) 20.08.2019                      (54) EMPLOYEE CONCIERGE                      (51) Int. Cl.                      G06Q 10/06 ( 2012.01 )                      (31) 16/119,774 (32) 31.08.18 (33) US</p>	<p>(71) ACCO Brands Corporation                      (11) AU-A-2019204647                      (21) 2019204647 (22) 28.06.2019                      (54) Dock for a portable electronic device</p>	<p>(71) Alkermes, Inc.                      (11) AU-A-2020201499                      (21) 2020201499 (22) 28.02.2020                      (54) SINGLE CHAIN FC FUSION PROTEINS                      (51) Int. Cl.                      C07K 16/30 ( 2006.01 )                      (43) 19.03.2020                      (62) 2018247255                      (72) McSweeney, Leslie A.; Alvaraz, Juan; Moustakas, Demetri T.; Brodtkin, Heather R.                      (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p>



Applications Open to Public Inspection - Name Index cont'd

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(71) Alkermes Pharma Ireland Limited  
 (11) AU-A-2020201426  
 (21) 2020201426 (22) 27.02.2020  
 (54) PRODRUGS OF NH-ACIDIC COM-  
 POUNDS  
 (51) Int. Cl.  
 C07D 215/00 ( 2006.01 )  
 A01N 43/00 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018205087  
 (72) Blumberg, Laura Cook; Almarsson, Orn;  
 Zeidan, Tarek A.; Remenar, Julius F.  
 (74) Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

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(71) ALLEGION (NEW ZEALAND) LIMITED  
 (11) AU-A-2020201595  
 (21) 2020201595 (22) 04.03.2020  
 (54) Door Furniture  
 (51) Int. Cl.  
 E05B 15/02 ( 2006.01 )  
 E05B 3/06 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018203064  
 (72) Gear, Jeremy; Saxony, Mark; Roman,  
 Cristina  
 (74) AJ Pietras IP Limited

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(71) Alnylam Pharmaceuticals, Inc.  
 (11) AU-A-2020201441  
 (21) 2020201441 (22) 27.02.2020  
 (54) PCSK9 iRNA compositions and methods of  
 use thereof  
 (51) Int. Cl.  
 C12N 15/113 ( 2010.01 )  
 (43) 19.03.2020  
 (62) 2013355237  
 (72) Borodovsky, Anna; Kallanthottathil, Rajeev  
 G.; Fitzgerald, Kevin; Frank-Kamenetsky,  
 Maria; Querbes, William; Maier, Martin;  
 Charisse, Klaus; Kuchimanchi, Satyanarya-  
 na; Manoharan, Muthiah; Milstein, Stuart  
 (74) FB Rice Pty Ltd

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(71) Amazentis SA  
 (11) AU-A-2020201476  
 (21) 2020201476 (22) 28.02.2020  
 (54) Compositions and methods for improving  
 mitochondrial function and treating neuro-  
 degenerative diseases and cognitive dis-  
 orders  
 (51) Int. Cl.  
 A23L 33/10 ( 2016.01 )  
 A61K 31/352 ( 2006.01 )  
 A61K 36/00 ( 2006.01 )  
 A61K 36/185 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018204108  
 (72) Rinsch, Christopher L.; Blanco-Bose, Willi-  
 am; Schneider, Bernard; Thomas, Charles;  
 Sandi, Carmen; Auwerx, Johan; Andreux,  
 Penelope; Houtkooper, Richardus; Pirinen,  
 Eija; Mouchiroud, Laurent; Genoux, David  
 (74) Shelston IP Pty Ltd.

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(71) Amgen Inc.  
 (11) AU-A-2020201600  
 (21) 2020201600 (22) 04.03.2020  
 (54) Drug delivery system and method of use  
 (51) Int. Cl.  
 A61M 5/20 ( 2006.01 )  
 A61M 5/142 ( 2006.01 )  
 A61M 5/315 ( 2006.01 )  
 A61M 5/32 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2015271763  
 (72) Tamtoro, Ferry; Yang, Huaying; Lee, Mark  
 Ka Lai; Yin, Desheng; Gibson, Scott R.;  
 Busby, Donald; Shultz, Peter V.; Kogler,  
 Keith P.; Ward, Jimmie L.; Folk, Chris-  
 topher R.; McCullough, Adam B.; Badelt,  
 Steven William  
 (74) Shelston IP Pty Ltd.

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(71) Amgen Inc.  
 (11) AU-A-2020201608  
 (21) 2020201608 (22) 04.03.2020  
 (54) Improved Host Cells and Culture Methods  
 (51) Int. Cl.  
 C12N 5/10 ( 2006.01 )  
 C12N 9/24 ( 2006.01 )  
 C12N 15/52 ( 2006.01 )  
 C12N 15/67 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2017279608  
 (72) Crowell, Christopher  
 (74) WRAYS PTY LTD

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(71) ANTONY, B.  
 (11) AU-A-2020201462  
 (21) 2020201462 (22) 28.02.2020  
 (54) A process to enhance the bioactivity of  
 Ashwagandha extracts  
 (51) Int. Cl.  
 A61K 36/81 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018260852  
 (72) ANTONY, Benny  
 (74) Griffith Hack

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(71) APO-T B.V.  
 (11) AU-A-2020201525  
 (21) 2020201525 (22) 02.03.2020  
 (54) Binding molecules targeting pathogens  
 (51) Int. Cl.  
 C07K 16/08 ( 2006.01 )  
 C07K 16/28 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018202038  
 (72) RENES, Johan; STEVERINK, Paul;  
 WILLEMSEN, Ralph Alexander  
 (74) Griffith Hack

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(71) Apple Inc.  
 (11) AU-A-2020201425  
 (21) 2020201425 (22) 27.02.2020  
 (54) Spatially ducking audio produced through a  
 beamforming loudspeaker array  
 (51) Int. Cl.  
 H04R 1/20 ( 2006.01 )

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(43) 19.03.2020  
 (62) 2018203165  
 (72) FAMILY, Afroz; BUTCHER, Gary I.;  
 VERWEIJ, Hugo D.; GRAHAM, David  
 C.; CHAUDHRI, Imran; RUIZ, Marcos  
 Alonso; STRINGER, Christopher J.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2020201445  
 (21) 2020201445 (22) 27.02.2020  
 (54) Vertically stacked image sensor  
 (51) Int. Cl.  
 H01L 27/146 ( 2006.01 )  
 H01L 29/78 ( 2006.01 )  
 H01L 29/786 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018217216  
 (72) FAN, Xiaofeng  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2020201464  
 (21) 2020201464 (22) 28.02.2020  
 (54) Systems and methods for integrating third  
 party services with a digital assistant  
 (51) Int. Cl.  
 G06Q 10/10 ( 2012.01 )  
 (43) 19.03.2020  
 (62) 2018204661  
 (72) GRUBER, Thomas R.; BRIGHAM, Chris-  
 topher D.; CHEYER, Adam J.; KEEN,  
 Daniel; KOCIENDA, Kenneth  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2020201470  
 (21) 2020201470 (22) 28.02.2020  
 (54) Far-field extension for digital assistant ser-  
 vices  
 (51) Int. Cl.  
 G10L 15/30 ( 2013.01 )  
 G06F 3/16 ( 2006.01 )  
 G10L 15/22 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2019203392  
 (72) KIM, Yoon; SRISUWANANUKORN,  
 Charles; CARSON, David A.; GRUBER,  
 Thomas R.; BINDER, Justin G.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2020201575  
 (21) 2020201575 (22) 03.03.2020  
 (54) Message user interfaces for capture and  
 transmittal of media and location content  
 (51) Int. Cl.  
 G06F 3/048 ( 2013.01 )  
 (43) 19.03.2020  
 (62) 2018203215  
 (72) YANG, Lawrence Y.; CHAUDHRI, Im-  
 ran; DELLINGER, Richard R.; GAR-  
 CIA, Roberto; WOOD, Justin; LINDE-  
 MAN, Kevin J.; MACOMBER, Kyle S.;  
 CHANG, Jae Woo; BISTOLAS, Eugene  
 M.; LEMAY, Stephen O.; VAN OS, Mar-  
 cel; FROST, Megan M.; DICKENS, Joshua

Applications Open to Public Inspection - Name Index cont'd

B.; COFFMAN, Patrick L.; KRENN, Matthias  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Apple Inc.  
**(11)** AU-A-2020201584  
**(21)** 2020201584 **(22)** 04.03.2020  
**(54)** Sample adaptive offset control  
**(51)** Int. Cl.  
*H04N 19/186* ( 2014.01 )  
*H04N 19/44* ( 2014.01 )  
*H04N 19/463* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
*H04N 19/82* ( 2014.01 )  
*H04N 19/86* ( 2014.01 )  
**(43)** 19.03.2020  
**(62)** 2018204551  
**(72)** TOURAPIS, Alexandros  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Apple Inc.  
**(11)** AU-A-2020201609  
**(21)** 2020201609 **(22)** 04.03.2020  
**(54)** Audio driver and power supply unit architecture  
**(51)** Int. Cl.  
*H04R 1/02* ( 2006.01 )  
*G06F 3/01* ( 2006.01 )  
*H04R 1/26* ( 2006.01 )  
*H04R 1/28* ( 2006.01 )  
*H04R 1/30* ( 2006.01 )  
*H04R 1/40* ( 2006.01 )  
*H04R 3/12* ( 2006.01 )  
*H04R 5/02* ( 2006.01 )  
*H04R 31/00* ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2017332547  
**(72)** STANLEY, Craig M.; PORTER, Simon K.; SHEERIN, John H.; TRAINER, Glenn K.; DELLA ROSA, Jason C.; HUWE, Ethan L.; MCINTOSH, Sean T.; WANG, Erik L.; STRINGER, Christopher J.; ANDERSON, Molly J.; PARKER, Samuel G.; WU, Meiting; MENDEZ, Javier; LIU, Rong; COUSINS, Benjamin A.; SUN, Yupin; QI, Jun; BRINSFIELD, Jason W.  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Apple Inc.  
**(11)** AU-A-2020201629  
**(21)** 2020201629 **(22)** 05.03.2020  
**(54)** Devices, methods, and graphical user interfaces for navigating, displaying, and editing media items with multiple display modes  
**(51)** Int. Cl.  
*G06F 3/0484* ( 2013.01 )  
*G06F 3/0485* ( 2013.01 )  
*G06F 3/0488* ( 2013.01 )  
**(43)** 19.03.2020  
**(62)** 2018270746  
**(72)** MANZARI, Behkish J.; MIURA, Britt S.; LEMAY, Stephen O.; SOUZA DOS SANTOS, Andre; MEZAK, Charles A.  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Applied Medical Resources Corporation  
**(11)** AU-A-2020201543

**(21)** 2020201543 **(22)** 03.03.2020  
**(54)** Electrosurgical system  
**(51)** Int. Cl.  
*A61B 18/12* ( 2006.01 )  
*A61B 18/14* ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2015258819  
**(72)** Elliott, Patrick; Johnson, Gary; Nguyen, Duy; McFarland, Daniel; Sabarad, Jagdish; Linville-Engler, Benjamin; Albrecht, Jeremy; Durant, Dan; Kowalski, Jerry; Tiberia, Lou; Whitlock, Michael; Logan, Michael; Gorin, Igor; Hudson, Kevin; Jacobs, Hank; Matthews, Thomas  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2019222894  
**(21)** 2019222894 **(22)** 29.08.2019  
**(54)** GAMING MACHINES AND METHOD FOR DISPLAYING BACKGROUNDS ON MULTIPLE GAMING MACHINES  
**(51)** Int. Cl.  
*A63F 13/00* ( 2014.01 )  
**(31)** 62/725,554 **(32)** 31.08.18 **(33)** US  
 16/433,470 06.06.19 US  
**(43)** 19.03.2020  
**(72)** DeMARCO, Dominic; HARDEN, Daniel  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2019222910  
**(21)** 2019222910 **(22)** 29.08.2019  
**(54)** AN INTERACTIVE ELECTRONIC REEL GAMING MACHINE PROVIDING CUMULATIVE FREE GAMES AND A SPINNING WHEEL FEATURE  
**(51)** Int. Cl.  
*A63F 13/45* ( 2014.01 )  
*A63F 13/40* ( 2014.01 )  
*A63F 13/50* ( 2014.01 )  
**(31)** 62/725,587 **(32)** 31.08.18 **(33)** US  
 16/539,749 13.08.19 US  
**(43)** 19.03.2020  
**(72)** UBERUAGA, Christmas; KAMINKOW, David; PENACHO, Gary  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2019222915  
**(21)** 2019222915 **(22)** 29.08.2019  
**(54)** GAMING MACHINES WITH MOVABLE TOPPER AND METHOD OF OPERATING THE SAME  
**(51)** Int. Cl.  
*G07F 17/32* ( 2006.01 )  
*A63F 13/00* ( 2014.01 )  
**(31)** 62/725,644 **(32)** 31.08.18 **(33)** US  
 16/446,074 19.06.19 US  
**(43)** 19.03.2020  
**(72)** SECKEL, Timothy; KAMINKOW, Joseph  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2020201414  
**(21)** 2020201414 **(22)** 27.02.2020

**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2019222951  
**(21)** 2019222951 **(22)** 30.08.2019  
**(54)** SYSTEMS AND METHODS FOR MODIFYING ONE OR MORE SYMBOLS ON ONE OR MORE STILL-SPINNING REELS OF A WAGERING GAME  
**(51)** Int. Cl.  
*G07F 17/34* ( 2006.01 )  
**(31)** 16/122,548 **(32)** 05.09.18 **(33)** US  
**(43)** 19.03.2020  
**(72)** CASEY, Michael  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2019222966  
**(21)** 2019222966 **(22)** 30.08.2019  
**(54)** SYSTEMS AND METHODS FOR ELECTRONIC GAMING IN WHICH AN ACTIVE AREA ALTERNATES BETWEEN SETS OF REELS  
**(51)** Int. Cl.  
*A63F 9/24* ( 2006.01 )  
**(31)** 16/122,592 **(32)** 05.09.18 **(33)** US  
**(43)** 19.03.2020  
**(72)** MARSH, David; ROELOFS, Karl  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2019226156  
**(21)** 2019226156 **(22)** 03.09.2019  
**(54)** GAMING MACHINE AND METHOD FOR DISPLAYING AN EXPANDED PLURALITY OF ACTIVE SYMBOLS ON A MECHANICAL REEL  
**(51)** Int. Cl.  
*A63F 1/00* ( 2006.01 )  
**(31)** 62/726,823 **(32)** 04.09.18 **(33)** US  
 16/415,856 17.05.19 US  
**(43)** 19.03.2020  
**(72)** CUDDY, Ryan; BERGER, Lyndsay  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2019226167  
**(21)** 2019226167 **(22)** 04.09.2019  
**(54)** SYSTEM AND METHOD OF PROVIDING A HOLD AND SPIN FEATURE GAME WITH PROGRESSIVE PLAY METERS  
**(51)** Int. Cl.  
*G07F 17/32* ( 2006.01 )  
**(31)** 62/727,805 **(32)** 06.09.18 **(33)** US  
 62/726,740 04.09.18 US  
**(43)** 19.03.2020  
**(72)** MARKS, Daniel; XU, Hua; DUA, Dinesh  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2020201414  
**(21)** 2020201414 **(22)** 27.02.2020

Applications Open to Public Inspection - Name Index cont'd

(54) An electronic gaming machine with base games and upgraded free feature games with multiple versions displayed  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
*A63F 13/45* ( 2014.01 )  
 (43) 19.03.2020  
 (62) 2018204797  
 (72) KENDALL, Karen; BATSIOKIS, Amy  
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2020201451  
 (21) 2020201451 (22) 27.02.2020  
 (54) METHOD OF GAMING, A GAME CONTROLLER AND A GAMING SYSTEM  
 (51) Int. Cl.  
*A63F 13/00* ( 2006.01 )  
*G07F 17/34* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018202346  
 (72) SIMS, Scott  
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2020201482  
 (21) 2020201482 (22) 28.02.2020  
 (54) A METHOD OF GAMING, A GAMING SYSTEM AND A PRIZE CONTROLLER  
 (51) Int. Cl.  
*A63F 13/00* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018202519  
 (72) Bramble, Paul  
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2020201492  
 (21) 2020201492 (22) 28.02.2020  
 (54) AN ELECTRONIC METHOD OF GAMING, A GAME CONTROLLER AND A GAMING SYSTEM  
 (51) Int. Cl.  
*A63F 13/00* ( 2006.01 )  
*G07F 17/32* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018200883  
 (72) CHAN, Matthew  
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2020201627  
 (21) 2020201627 (22) 04.03.2020  
 (54) A METHOD OF GAMING, A GAMING SYSTEM, AND A GAME CONTROLLER  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018202256  
 (72) CARLSON, Rex; STEWART, Scott Monroe  
 (74) Griffith Hack

(71) Armstrong World Industries, Inc.  
 (11) AU-A-2020201532  
 (21) 2020201532 (22) 02.03.2020  
 (54) Ceiling system  
 (51) Int. Cl.  
*E04B 9/06* ( 2006.01 )  
*E04B 9/12* ( 2006.01 )  
*E04B 9/24* ( 2006.01 )  
*E04B 9/26* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2015324259  
 (72) Bergman, Todd M.; Vernau G., Douglas; Hanuschak, Ryan D.  
 (74) Shelston IP Pty Ltd.

(71) Arrowhead Pharmaceuticals, Inc.  
 (11) AU-A-2020201617  
 (21) 2020201617 (22) 04.03.2020  
 (54) ORGANIC COMPOSITIONS TO TREAT EPAS1-RELATED DISEASES  
 (51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*A61K 31/7088* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2014223432  
 (72) Bettencourt, Brian; Ganesh, Shanthi; George, Elizabeth; Huesken, Dieter; Solomon, Jonathan; Thomas, Emily; Toudjarska, Ivanka; Tullai, Jennifer; Weiler, Jan; Milstein, Stuart  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Aurora Flight Sciences Corporation  
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*A61K 33/04* ( 2006.01 )  
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*G01S 5/12* ( 2006.01 )  
*G01S 19/48* ( 2010.01 )  
*H04W 4/38* ( 2018.01 )  
*H04W 4/44* ( 2018.01 )  
*H04W 4/46* ( 2018.01 )  
*H04W 4/70* ( 2018.01 )  
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 (54) Electric toothbrush, brush unit, and method for operating an electric toothbrush  
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*A46B 9/02* ( 2006.01 )  
*A46B 9/04* ( 2006.01 )  
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*G06Q 30/02* ( 2012.01 )  
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*A61K 31/4178* ( 2006.01 )  
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*C12Q 1/6827* ( 2018.01 )  
*A01K 67/02* ( 2006.01 )  
*C12Q 1/686* ( 2018.01 )  
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*G01F 1/00* ( 2006.01 )  
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 (43) 19.03.2020  
 (72) Gresham, Joel Dylan; Knapp, Christopher  
 (74) Phillips Ormonde Fitzpatrick

(71) Davis, T.; Nemir, D.  
 (11) AU-A-2020200670  
 (21) 2020200670 (22) 30.01.2020  
 (54) Methods and devices for measuring conductivity of fluids  
 (51) Int. Cl.  
*C02F 1/42* ( 2006.01 )  
*C02F 1/46* ( 2006.01 )  
*H01G 9/02* ( 2006.01 )

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 (72) Davis, Thomas A.; Nemir, David  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2019213294 (22) 05.08.2019  
 (54) Work vehicle with row unit having variable steering angle  
 (51) Int. Cl.  
**A01C 7/08** ( 2006.01 )  
**A01B 7/00** ( 2006.01 )  
**A01B 9/00** ( 2006.01 )  
 (31) 16/121,348 (32) 04.09.18 (33) US  
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 (74) Davies Collison Cave Pty Ltd

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 (21) 2019213300 (22) 05.08.2019  
 (54) Commodity delivery system for work vehicle with venturi suction generator  
 (51) Int. Cl.  
**A01C 23/00** ( 2006.01 )  
 (31) 16/121,731 (32) 05.09.18 (33) US  
 (43) 19.03.2020  
 (72) Maro, Randall A.  
 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2020201466  
 (21) 2020201466 (22) 28.02.2020  
 (54) Customized patient-specific revision surgical instruments and method  
 (51) Int. Cl.  
**A61B 17/15** ( 2006.01 )  
**A61B 17/17** ( 2006.01 )  
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 (62) 2018256596  
 (72) ARAM, Luke J.; LUBENSKY, Janelle M.; CHANEY, Rebecca L.  
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 (11) AU-A-2020201634  
 (21) 2020201634 (22) 05.03.2020  
 (54) Systems, devices and methods for analyte monitoring system  
 (51) Int. Cl.  
**A61B 5/1486** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**A61B 5/1495** ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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(71) Dolby International AB  
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 (21) 2020201419 (22) 27.02.2020  
 (54) Method and device for decoding an audio soundfield representation  
 (51) Int. Cl.  
**H04S 3/02** ( 2006.01 )  
**G10L 19/00** ( 2006.01 )  
**G10L 19/008** ( 2013.01 )  
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 (72) Batke, Johann-Markus; Keiler, Florian; Boehm, Johannes  
 (74) Shelston IP Pty Ltd.

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(71) Dolby International AB  
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 (21) 2020201570 (22) 03.03.2020  
 (54) Complex Exponential Modulated Filter Bank for High Frequency Reconstruction or Parametric Stereo  
 (51) Int. Cl.  
**H03H 17/02** ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2017279677  
 (72) Ekstrand, Per  
 (74) Chrysilou IP

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 (21) 2019261733 (22) 12.08.2019  
 (54) Sound insulation flooring material  
 (51) Int. Cl.  
**E04F 15/18** ( 2006.01 )  
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 (43) 19.03.2020  
 (72) Oh, Dong Jin  
 (74) WRAYS PTY LTD

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(71) Dr. Ing. h.c.F. Porsche Aktiengesellschaft  
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 (21) 2020201606 (22) 04.03.2020  
 (54) COOLING UNIT FOR A CHARGING COLUMN, AND CHARGING COLUMN HAVING A COOLING UNIT  
 (51) Int. Cl.  
**B60L 53/302** ( 2019.01 )  
**H01M 10/613** ( 2014.01 )  
 (43) 19.03.2020  
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 (74) Phillips Ormonde Fitzpatrick

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(71) Ecolab USA, Inc.  
 (11) AU-A-2020201438  
 (21) 2020201438 (22) 27.02.2020  
 (54) Methods for forming peroxyformic acid and uses thereof  
 (51) Int. Cl.  
**A01N 37/00** ( 2006.01 )

**A01N 37/16** ( 2006.01 )  
**A23C 7/02** ( 2006.01 )  
**A61L 2/18** ( 2006.01 )  
**C02F 1/72** ( 2006.01 )  
**C07C 407/00** ( 2006.01 )  
**C07C 409/24** ( 2006.01 )  
**C07C 409/26** ( 2006.01 )  
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 (62) 2018260977  
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 (21) 2019208245 (22) 26.07.2019  
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 (51) Int. Cl.  
**G06T 19/00** ( 2011.01 )  
 (31) 16/115,926 (32) 29.08.18 (33) US  
 (43) 19.03.2020  
 (72) EGER, Horst  
 (74) Griffith Hack

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(71) Electrolux Appliances Aktiebolag  
 (11) AU-A-2019208186  
 (21) 2019208186 (22) 23.07.2019  
 (54) Laundry Dryer including a Heat Pump System  
 (51) Int. Cl.  
**D06F 58/26** ( 2006.01 )  
**D06F 58/02** ( 2006.01 )  
**D06F 58/20** ( 2006.01 )  
 (31) 18191845.9 (32) 30.08.18 (33) EP  
 (43) 19.03.2020  
 (72) CAVARRETTA, Francesco; GAMBARRO, Fabio; GOBBO, Gianni  
 (74) Halfords IP

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(71) Electrolux Appliances Aktiebolag  
 (11) AU-A-2019208187  
 (21) 2019208187 (22) 23.07.2019  
 (54) Laundry Dryer including a Heat Pump System  
 (51) Int. Cl.  
**D06F 58/26** ( 2006.01 )  
**D06F 58/02** ( 2006.01 )  
**D06F 58/20** ( 2006.01 )  
 (31) 18191846.7 (32) 30.08.18 (33) EP  
 (43) 19.03.2020  
 (72) CAVARRETTA, Francesco; GAMBARRO, Fabio; GOBBO, Gianni  
 (74) Halfords IP

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(71) Electrolux Appliances Aktiebolag  
 (11) AU-A-2019208188  
 (21) 2019208188 (22) 23.07.2019  
 (54) Laundry Dryer including a Heat Pump System  
 (51) Int. Cl.  
**D06F 58/26** ( 2006.01 )  
**D06F 58/02** ( 2006.01 )  
**D06F 58/20** ( 2006.01 )  
 (31) 18191847.5 (32) 30.08.18 (33) EP

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 (72) CAVARRETTA, Francesco; GAMBARRO, Fabio; GOBBO, Gianni  
 (74) Halfords IP

(71) Electrolux Appliances Aktiebolag  
 (11) AU-A-2019213455  
 (21) 2019213455 (22) 12.08.2019  
 (54) Laundry Dryer including a Heat Pump System  
 (51) Int. Cl.  
*D06F 58/26* ( 2006.01 )  
*F26B 13/10* ( 2006.01 )  
 (31) 18191839.2 (32) 30.08.18 (33) EP  
 (43) 19.03.2020  
 (72) GAMBARRO, Fabio; CAVARRETTA, Francesco; GOBBO, Gianni  
 (74) Halfords IP

(71) Electrolux Appliances Aktiebolag  
 (11) AU-A-2019213456  
 (21) 2019213456 (22) 12.08.2019  
 (54) Laundry Dryer including a Heat Pump System  
 (51) Int. Cl.  
*D06F 58/26* ( 2006.01 )  
 (31) 18191842.6 (32) 30.08.18 (33) EP  
 (43) 19.03.2020  
 (72) GAMBARRO, Fabio; CAVARRETTA, Francesco; GOBBO, Gianni  
 (74) Halfords IP

(71) Electrolux Appliances Aktiebolag  
 (11) AU-A-2019213457  
 (21) 2019213457 (22) 12.08.2019  
 (54) Laundry Dryer including a Heat Pump System  
 (51) Int. Cl.  
*D06F 58/26* ( 2006.01 )  
 (31) 18191843.4 (32) 30.08.18 (33) EP  
 (43) 19.03.2020  
 (72) GAMBARRO, Fabio; CAVARRETTA, Francesco; GOBBO, Gianni  
 (74) Halfords IP

(71) Elube Pty Ltd  
 (11) AU-A-2019222861  
 (21) 2019222861 (22) 28.08.2019  
 (54) Filter Cartridge Assembly  
 (51) Int. Cl.  
*B01D 25/26* ( 2006.01 )  
 (31) 2018903160 (32) 28.08.18 (33) AU  
 (43) 19.03.2020  
 (72) Bell, Julian  
 (74) Clark Intellectual Property Pty Ltd

(71) Evolve Skateboards Pty Ltd  
 (11) AU-A-2019264570  
 (21) 2019264570 (22) 12.11.2019  
 (54) Electric Skateboards  
 (51) Int. Cl.  
*A63C 17/01* ( 2006.01 )  
*A63C 17/12* ( 2006.01 )

(43) 19.03.2020  
 (62) 2017203648  
 (72) Anning, Jeffrey  
 (74) K&L Gates

(71) Exelixis, Inc.  
 (11) AU-A-2020201638  
 (21) 2020201638 (22) 05.03.2020  
 (54) c-Met modulators and methods of use  
 (51) Int. Cl.  
*C07D 215/16* ( 2006.01 )  
*A61K 31/47* ( 2006.01 )  
*A61K 31/535* ( 2006.01 )  
*C07D 215/20* ( 2006.01 )  
*C07D 413/00* ( 2006.01 )

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 (74) Davies Collison Cave Pty Ltd

(71) F. Hoffmann-La Roche AG  
 (11) AU-A-2020201429  
 (21) 2020201429 (22) 27.02.2020  
 (54) Human FeRn-binding modified antibodies and methods of use  
 (51) Int. Cl.  
*C07K 16/22* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 27/02* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 16/46* ( 2006.01 )

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 (72) HARTMANN, Guido; REGULA, Joerg Thomas; RUETH, Matthias; SCHAEFER, Wolfgang; SCHLOTHAUER, Tilman  
 (74) Spruson & Ferguson

(71) FDK Corporation  
 (11) AU-A-2020201412  
 (21) 2020201412 (22) 27.02.2020  
 (54) BATTERY SPACER  
 (51) Int. Cl.  
*H01M 2/10* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2016331337  
 (72) TAKAYANAGI, Mika  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Feramda Ltd.  
 (11) AU-A-2020201620  
 (21) 2020201620 (22) 04.03.2020  
 (54) Compositions and combinations for the treatment of angiogenesis diseases and disorders  
 (51) Int. Cl.  
*C07D 517/22* ( 2006.01 )  
*A61K 31/095* ( 2006.01 )

*A61P 11/06* ( 2006.01 )  
*A61P 17/06* ( 2006.01 )  
*A61P 19/02* ( 2006.01 )  
*A61P 27/02* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 329/00* ( 2006.01 )

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 (62) 2016224843  
 (72) Sredni, Benjamin  
 (74) Watermark Intellectual Property Pty Ltd

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2020201428  
 (21) 2020201428 (22) 27.02.2020  
 (54) ACTIVE SMOKE FILTRATION FOR INSUFFLATION  
 (51) Int. Cl.  
*A61M 13/00* ( 2006.01 )

(43) 19.03.2020  
 (62) 2015259946  
 (72) Surendra, Wisnu Arya; Ghalib, Ali Ghalib Abdul Rahman; Dor-Zidon, Shahar; Strevens, Joseph Patrick Walter; Blackhurst, Michael Joseph  
 (74) Baldwins Intellectual Property

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2020201432  
 (21) 2020201432 (22) 27.02.2020  
 (54) GASES MIXING AND MEASURING FOR A MEDICAL DEVICE  
 (51) Int. Cl.  
*A61M 16/00* ( 2006.01 )  
*G01H 5/00* ( 2006.01 )  
*G01N 29/00* ( 2006.01 )

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 (62) 2015268171  
 (72) Van Schalkwyk, Andre; Newland, Anthony James; Graves, Rachael; Liang, Wenjie Robin; Jiang-Foo, Winnie Yong  
 (74) Baldwins Intellectual Property

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2020201637  
 (21) 2020201637 (22) 05.03.2020  
 (54) BREATH INDICATOR  
 (51) Int. Cl.  
*A61M 16/00* ( 2006.01 )

(43) 19.03.2020  
 (62) 2018203347  
 (72) Kempes, David Robert; Boulton, Simon; Church, Jonathan Mark  
 (74) AJ PARK

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (11) AU-A-2020201523  
 (21) 2020201523 (22) 02.03.2020  
 (54) HEADGEAR FOR RESPIRATORY INTERFACES  
 (51) Int. Cl.  
*A61M 16/06* ( 2006.01 )

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 (72) Hammer, Jeroen; Nicolson, Charles  
 (74) AJ PARK



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 (11) AU-A-2020201553  
 (21) 2020201553 (22) 03.03.2020  
 (54) HEADGEAR FOR PATIENT INTER-FACE  
 (51) Int. Cl.  
*A61M 16/06* ( 2006.01 )  
*A62B 9/04* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018217307  
 (72) McLaren, Mark Arvind; Hammer, Jeroen  
 (74) AJ PARK

(71) FLAMINGO AI LIMITED  
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 (54) Method and system for administering a network data structure  
 (51) Int. Cl.  
*G06F 17/00* ( 2006.01 )  
 (43) 19.03.2020  
 (72) ELLIOTT, Jack Winston  
 (74) BLACKWATTLE IP PTY LIMITED

(71) Flyingtee Tech, LLC  
 (11) AU-A-2020201531  
 (21) 2020201531 (22) 02.03.2020  
 (54) Two-environment game play system  
 (51) Int. Cl.  
*A63B 69/36* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2014284410  
 (72) Tawwater, Ryan S; Vollbrecht, John M; Vollbrecht, James T  
 (74) MINTER ELLISON

(71) FMC CORPORATION  
 (11) AU-A-2020201494  
 (21) 2020201494 (22) 28.02.2020  
 (54) FOAM FORMULATIONS AND APPARATUS FOR DELIVERY  
 (51) Int. Cl.  
*A01N 25/16* ( 2006.01 )  
*A01N 53/00* ( 2006.01 )  
*A01P 7/00* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018229499  
 (72) MARTIN, Timothy M.; GRANT, Shawn; DESTEFANO, Neil; PRESTEGORD, Adam; HARPER, Michael  
 (74) Houlihan<sup>2</sup> Pty Ltd

(71) FMC CORPORATION  
 (11) AU-A-2020201631  
 (21) 2020201631 (22) 05.03.2020  
 (54) COMPOSITIONS AND METHODS FOR CONTROLLING WEEDS IN CROPS  
 (51) Int. Cl.  
*A01N 37/38* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2015255269  
 (72) LONG, Mitchell; BETTS, James; STRILCHUK, David  
 (74) Houlihan<sup>2</sup> Pty Ltd

(71) Ford, A.; Coughlan, K.; Coughlan, P.  
 (11) AU-A-2019222823  
 (21) 2019222823 (22) 27.08.2019  
 (54) METHOD AND APPARATUS FOR JOINING TILING TRIM  
 (51) Int. Cl.  
*E04F 19/06* ( 2006.01 )  
*E04F 19/02* ( 2006.01 )  
 (31) 2018903224 (32) 31.08.18 (33) AU  
 (43) 19.03.2020  
 (72) Ford, Adam Jonathan; Coughlan, Kevin Martin; Coughlan, Peter Timothy  
 (74) Michael Buck IP

(71) FTC Solar, Inc.  
 (11) AU-A-2019222897  
 (21) 2019222897 (22) 29.08.2019  
 (54) Tracking systems for adjusting a photovoltaic array  
 (51) Int. Cl.  
*H02S 20/32* ( 2014.01 )  
*F24S 30/40* ( 2018.01 )  
*F24S 50/20* ( 2018.01 )  
*F24S 80/58* ( 2018.01 )  
*H02S 20/30* ( 2014.01 )  
 (31) 62/727,216 (32) 05.09.18 (33) US  
 (43) 19.03.2020  
 (72) CHERUKUPALLI, Nagendra; WONG, Larry; ZABALA, Milo  
 (74) Spruson & Ferguson

(71) FTC Solar, Inc.  
 (11) AU-A-2019222898  
 (21) 2019222898 (22) 29.08.2019  
 (54) Pivoting members for a solar array  
 (51) Int. Cl.  
*F24S 30/40* ( 2018.01 )  
*F24S 50/20* ( 2018.01 )  
*F24S 80/58* ( 2018.01 )  
*H02S 20/30* ( 2014.01 )  
*H02S 20/32* ( 2014.01 )  
 (31) 62/727,212 (32) 05.09.18 (33) US  
 (43) 19.03.2020  
 (72) CHERUKUPALLI, Nagendra; ZABALA, Milo; CRUZ, Rechel; WONG, Larry  
 (74) Spruson & Ferguson

(71) Geng Pty Ltd  
 (11) AU-A-2019222971  
 (21) 2019222971 (22) 31.08.2019  
 (54) Geng Popper Target for Live Fire from Light Arms Weapons  
 (51) Int. Cl.  
*F41J 5/18* ( 2006.01 )  
*F41J 1/01* ( 2006.01 )  
*F41J 1/10* ( 2006.01 )  
 (31) 2018903208 (32) 31.08.18 (33) AU  
 (43) 19.03.2020  
 (72) Green, Clifford (Cliff) Robert  
 (74) Geng Pty Ltd

(71) Geng Pty Ltd  
 (11) AU-A-2019222972  
 (21) 2019222972 (22) 31.08.2019  
 (54) Geng Flip Target for Live Fire from Light Arms Weapons  
 (51) Int. Cl.

*F41J 5/18* ( 2006.01 )  
*F41J 1/10* ( 2006.01 )  
 (31) 2018903209 (32) 31.08.18 (33) AU  
 (43) 19.03.2020  
 (72) Green, Clifford (Cliff) Robert  
 (74) Geng Pty Ltd

(71) Glysens Incorporated  
 (11) AU-A-2020201630  
 (21) 2020201630 (22) 05.03.2020  
 (54) Implantable sensor apparatus and methods  
 (51) Int. Cl.  
*A61B 5/145* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2016382976  
 (72) Lucisano, Joseph; Wilensky, Jonathan; Engler, Robert  
 (74) FPA Patent Attorneys Pty Ltd

(71) Godo Kaisha IP Bridge 1  
 (11) AU-A-2020201448  
 (21) 2020201448 (22) 27.02.2020  
 (54) Control channel signalling for triggering the independent transmission of a channel quality indicator  
 (51) Int. Cl.  
*H04L 1/00* ( 2006.01 )  
*H04B 7/06* ( 2006.01 )  
*H04W 28/00* ( 2009.01 )  
 (43) 19.03.2020  
 (62) 2017279772  
 (72) GOLITSCHHECK, Alexander Edler von Elbwart; WENGERTER, Christian; LÖHR, Joachim  
 (74) FPA Patent Attorneys Pty Ltd

(71) Goldman Sachs & Co. LLC  
 (11) AU-A-2020201520  
 (21) 2020201520 (22) 02.03.2020  
 (54) GENERAL-PURPOSE PARALLEL COMPUTING ARCHITECTURE  
 (51) Int. Cl.  
*G06F 15/80* ( 2006.01 )  
*G06F 9/50* ( 2006.01 )  
*G06F 15/163* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2016264100  
 (72) BURCHARD, Paul; DREPPER, Ulrich  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) Google LLC  
 (11) AU-A-2020201421  
 (21) 2020201421 (22) 27.02.2020  
 (54) END-TO-END TEXT-TO-SPEECH CONVERSION  
 (51) Int. Cl.  
*G10L 13/04* ( 2013.01 )  
*G06N 3/08* ( 2006.01 )  
*G10L 15/16* ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018244917  
 (72) BENGIO, Samuel; WANG, Yuxan; YANG, Zongheng; CHEN, Zhifeng; WU, Yonghui; AGIOMYRGIANNAKIS, Ioannis; WEISS, Ron J.; JAITLEY, Navdeep; RIFKIN, Ryan M.; CLARK, Robert An-

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drew James; LE, Quoc V.; RYAN, Russel J.; XIAO, Ying  
**(74)** Pizzneys Patent and Trade Mark Attorneys Pty Ltd

**(71)** GrainFrac Inc.  
**(11)** AU-A-2020201455  
**(21)** 2020201455 **(22)** 28.02.2020  
**(54)** System and Method for Fractionating Grain  
**(51)** Int. Cl.  
*B07B 13/04* ( 2006.01 )  
*B07B 7/086* ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2015263799  
**(72)** Vasanthan, Thavaratnam  
**(74)** James & Wells Intellectual Property

**(71)** Grasslanz Technology Limited; The Grains Research and Development Corporation  
**(11)** AU-A-2020201594  
**(21)** 2020201594 **(22)** 04.03.2020  
**(54)** Improved fungal endophytes  
**(51)** Int. Cl.  
*A01H 15/00* ( 2006.01 )  
*A01H 5/00* ( 2006.01 )  
*A01N 63/04* ( 2006.01 )  
*C12N 1/14* ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2014224189  
**(72)** Hume, David Edward; Johnson, Richard David; Simpson, Wayne Roydon; Card, Stuart Douglas  
**(74)** Blue Penguin IP Ltd

**(71)** GrowlerWerks, Inc.  
**(11)** AU-A-2020201626  
**(21)** 2020201626 **(22)** 04.03.2020  
**(54)** Beverage Dispenser and Variable Pressure Regulator Cap Assembly  
**(51)** Int. Cl.  
*B67C 3/06* ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2015267256  
**(72)** Rege, Evan Christopher; Maier, Donald Christian; Huff, Shawn Leland; Sonnichsen, Brian Edward  
**(74)** Golja Haines & Friend

**(71)** GSW Creative Corporation  
**(11)** AU-A-2020201552  
**(21)** 2020201552 **(22)** 03.03.2020  
**(54)** A VAPORIZATION DEVICE, METHOD OF USING THE DEVICE, A CHARGING CASE, A KIT, AND A VIBRATION ASSEMBLY  
**(51)** Int. Cl.  
*A61M 15/06* ( 2006.01 )  
*A61M 11/00* ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2018264051  
**(72)** Fornarelli, Thomas  
**(74)** RnB IP Pty Ltd

**(71)** Hancock, R.E.  
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*G01N 33/48* ( 2006.01 )  
*C12Q 1/68* ( 2006.01 )  
*C40B 30/04* ( 2006.01 )  
*C40B 40/08* ( 2006.01 )  
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**(54)** A Device and Method for Killing Weeds by Application of a High Temperature Fluid  
**(51)** Int. Cl.  
*A01M 21/04* ( 2006.01 )  
*B08B 3/02* ( 2006.01 )  
*E01H 11/00* ( 2006.01 )  
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**(72)** van de Haar, Hendrik; van Hensbergen, Jan  
**(74)** Golja Haines & Friend

**(71)** Heraeus Electro-Nite International N.V.  
**(11)** AU-A-2020201458  
**(21)** 2020201458 **(22)** 28.02.2020  
**(54)** Improved molten metal sampler  
**(51)** Int. Cl.  
*G01N 1/20* ( 2006.01 )  
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**(54)** Hit and Fit Bag  
**(51)** Int. Cl.  
*A63B 69/20* ( 2006.01 )  
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**(72)** Herbst, James Jeffrey  
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**(51)** Int. Cl.  
*G06F 16/81* ( 2019.01 )  
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**(54)** MOUTHPIECE ATTACHMENT FOR BRASS MUSICAL INSTRUMENTS  
**(51)** Int. Cl.  
*G10D 9/02* ( 2006.01 )  
**(31)** 2018903174 **(32)** 29.08.18 **(33)** AU  
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**(72)** Holownia, Lisa Isobel  
**(74)** Michael Buck IP

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**(54)** Elongate mounting structure and mounting unit comprising the same for mounting an architectural covering between opposing mounting surfaces  
**(51)** Int. Cl.  
*E06B 9/266* ( 2006.01 )  
*E06B 9/322* ( 2006.01 )  
**(31)** 18192699.9 **(32)** 05.09.18 **(33)** EP  
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**(72)** Bohlen, Jörg; Vangberg-Brinkmann, Katharina  
**(74)** Shelston IP Pty Ltd.

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**(54)** INTELLIGENT WATERING SYSTEM  
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*A01G 25/16* ( 2006.01 )  
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 A61K 36/064 ( 2006.01 )  
 A61K 8/9728 ( 2017.01 )  
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 A61K 8/9728 ( 2017.01 )  
 A61K 36/06 ( 2006.01 )  
 A61K 36/062 ( 2006.01 )  
 A61K 36/48 ( 2006.01 )  
 A61P 17/00 ( 2006.01 )  
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 A61K 8/97 ( 2017.01 )  
 A61K 8/9728 ( 2017.01 )  
 A61K 31/07 ( 2006.01 )  
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 A61P 17/00 ( 2006.01 )  
 A61Q 19/00 ( 2006.01 )  
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 (51) Int. Cl.  
 A61K 36/064 ( 2006.01 )  
 A61K 8/41 ( 2006.01 )  
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 A61K 8/60 ( 2006.01 )  
 A61K 8/96 ( 2006.01 )  
 A61K 8/97 ( 2017.01 )  
 A61K 8/9728 ( 2017.01 )  
 A61K 36/06 ( 2006.01 )  
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 A61P 17/00 ( 2006.01 )  
 A61Q 19/00 ( 2006.01 )  
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 (51) Int. Cl.  
*E21D 21/00* ( 2006.01 )  
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 (54) Retainer Device for a Rock Anchor, Rock Anchor System and Associated Installation Method  
 (51) Int. Cl.  
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 JIDOSHOKKI  
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 (51) Int. Cl.  
*F02M 26/14* ( 2016.01 )  
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 (54) ADJUSTABLE STROKE DEVICE WITH CAM  
 (51) Int. Cl.  
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*C25B 1/04* ( 2006.01 )  
*C02F 1/42* ( 2006.01 )  
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 (74) A.P.T. Patent and Trade Mark Attorneys

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*C22B 23/00* ( 2006.01 )  
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 (51) Int. Cl.  
*A61K 33/00* ( 2006.01 )  
*A61B 5/0205* ( 2006.01 )  
*A61K 9/72* ( 2006.01 )  
*A61K 31/21* ( 2006.01 )  
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 (51) Int. Cl.  
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**A23K 50/45** ( 2016.01 )  
**A23K 20/105** ( 2016.01 )  
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 (54) Oral anti-parasitic composition  
 (51) Int. Cl.  
**A61P 33/02** ( 2006.01 )  
**A23L 33/10** ( 2016.01 )  
**A61K 31/015** ( 2006.01 )  
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**A61K 31/05** ( 2006.01 )  
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 (54) Extruded pet food product  
 (51) Int. Cl.  
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 (51) Int. Cl.  
**A61B 17/29** ( 2006.01 )  
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**A61M 25/092** ( 2006.01 )  
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**A61B 5/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**A61B 5/1486** ( 2006.01 )  
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 (21) 2019216726 (22) 16.08.2019  
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 (51) Int. Cl.  
**F41G 3/02** ( 2006.01 )  
**F41G 3/14** ( 2006.01 )  
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 (21) 2019222866 (22) 28.08.2019  
 (54) A bag, in particular a shipping bag, for used coffee capsules, a method for collecting and recycling used coffee capsules, and the use of the bags for collecting and shipping used coffee capsules  
 (51) Int. Cl.  
**B65D 77/14** ( 2006.01 )  
**B65D 81/00** ( 2006.01 )  
**B65F 1/02** ( 2006.01 )  
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**G03B 17/08** ( 2006.01 )  
**B63B 35/00** ( 2020.01 )  
**B63B 49/00** ( 2006.01 )  
**G01L 9/00** ( 2006.01 )  
**G06F 17/40** ( 2006.01 )  
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C11C 3/00 ( 2006.01 )  
A23D 9/007 ( 2006.01 )  
A61K 31/201 ( 2006.01 )  
A61K 31/202 ( 2006.01 )  
A61P 3/06 ( 2006.01 )  
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H01M 10/00 ( 2006.01 )  
H04B 5/00 ( 2006.01 )  
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F04D 13/08 ( 2006.01 )  
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 (72) Roldan, Arthur  
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     H04B 7/06 ( 2006.01 )  
     H04L 25/03 ( 2006.01 )  
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     C08F 2/22 ( 2006.01 )  
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     C08L 51/06 ( 2006.01 )  
     C09D 151/00 ( 2006.01 )  
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**E21B 1/00** ( 2006.01 )  
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 (54) Rock drilling device  
 (51) Int. Cl.  
**E21B 44/04** ( 2006.01 )  
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 PURSIMO, Juha  
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**G16B 30/00** ( 2019.01 )  
**C12Q 1/68** ( 2006.01 )  
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**G01S 13/52** ( 2006.01 )  
**G01S 7/292** ( 2006.01 )  
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**G01S 13/58** ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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**E04B 2/92** ( 2006.01 )  
**B32B 13/02** ( 2006.01 )  
**C04B 20/00** ( 2006.01 )  
**C04B 28/04** ( 2006.01 )  
**E04B 2/02** ( 2006.01 )  
**E04B 2/84** ( 2006.01 )  
**E04C 2/288** ( 2006.01 )  
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**G06F 21/64** ( 2013.01 )  
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 (74) James & Wells Intellectual Property

(71) Smart Industries Corporation  
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 (54) Arcade game with RFID reader and option to redeem points for additional plays  
 (51) Int. Cl.  
**A63F 9/30** ( 2006.01 )  
**A63F 9/00** ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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 (54) Hex driver  
 (51) Int. Cl.  
**B25B 15/00** ( 2006.01 )  
**B25B 23/00** ( 2006.01 )  
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 (43) 19.03.2020  
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 (11) AU-A-2019213406  
 (21) 2019213406 (22) 09.08.2019  
 (54) Ratcheting wrench  
 (51) Int. Cl.



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**(43)** 19.03.2020  
**(72)** THOMPSON, Christopher D.  
**(74)** Griffith Hack

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**(71)** SOLITON HOLDINGS CORPORATION,  
 DELAWARE CORPORATION

**(11)** AU-A-2020201562  
**(21)** 2020201562 **(22)** 03.03.2020  
**(54)** JET-TURBINE AND JET-VENTILATOR  
**(51)** Int. Cl.  
**F15D 1/00** ( 2006.01 )  
**F04F 5/00** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2018204546  
**(72)** Abramov, Yuri  
**(74)** Belyea IP

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**(71)** SOLITON HOLDINGS CORPORATION,  
 DELAWARE CORPORATION

**(11)** AU-A-2020201568  
**(21)** 2020201568 **(22)** 03.03.2020  
**(54)** SOUND BOOSTER  
**(51)** Int. Cl.  
**F15D 1/00** ( 2006.01 )  
**F04F 5/00** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2018204546  
**(72)** Abramov, Yuri  
**(74)** Belyea IP

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**(71)** Staar Surgical Company

**(11)** AU-A-2020201473  
**(21)** 2020201473 **(22)** 28.02.2020  
**(54)** Ophthalmic implants with extended depth  
 of field and enhanced distance visual acuity  
**(51)** Int. Cl.  
**A61F 2/16** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2015315342  
**(72)** Pinto, Candido Dionisio; Fay, Constance  
 Elizabeth  
**(74)** Dark IP

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**(71)** Swiss VX Venentherapie und Forschung  
 GmbH

**(11)** AU-A-2020201604  
**(21)** 2020201604 **(22)** 04.03.2020  
**(54)** Adhesive film bandage for medical com-  
 pression  
**(51)** Int. Cl.  
**A61F 13/00** ( 2006.01 )  
**A61F 13/02** ( 2006.01 )  
**A61F 15/00** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2015220804  
**(72)** Ragg, Johann Christof  
**(74)** MINTER ELLISON

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**(71)** Tela Innovations, Inc.

**(11)** AU-A-2020201521  
**(21)** 2020201521 **(22)** 02.03.2020  
**(54)** CIRCUITS WITH LINEAR FINFET  
 STRUCTURES

**(51)** Int. Cl.  
**H01L 21/00** ( 2006.01 )

**(43)** 19.03.2020  
**(62)** 2018200549  
**(72)** Becker, Scott T.; Smayling, Michael C.;  
 Gandhi, Dhruvil; Mali, Jim; Lambert, Car-  
 ole; Quandt, Jonathan R.; Fox, Daryl  
**(74)** Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

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**(71)** Terumo Kabushiki Kaisha

**(11)** AU-A-2020201583  
**(21)** 2020201583 **(22)** 04.03.2020  
**(54)** SYRINGE BARREL, METHOD FOR  
 MANUFACTURING SAME, AND PRE-  
 FILLED SYRINGE  
**(51)** Int. Cl.  
**A61M 5/31** ( 2006.01 )  
**A61M 5/28** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2017250849  
**(72)** OKIHARA, Hitoshi  
**(74)** Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

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**(71)** The Boeing Company

**(11)** AU-A-2020201610  
**(21)** 2020201610 **(22)** 04.03.2020  
**(54)** Fabrication of composite laminates using  
 temporarily stitched preforms  
**(51)** Int. Cl.  
**B32B 1/00** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2018204632  
**(72)** COXON, Brad Andrew  
**(74)** Spruson & Ferguson

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**(71)** The General Hospital Corporation

**(11)** AU-A-2020201465  
**(21)** 2020201465 **(22)** 28.02.2020  
**(54)** USING TRUNCATED GUIDE RNAS  
 (TRU-GRNAS) TO INCREASE SPE-  
 CIFICITY FOR RNA-GUIDED GENOME  
 EDITING  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2014228981  
**(72)** Joung J., Keith; Sander, Jeffrey D.; Fu, Yan-  
 fang; Maeder, Morgan  
**(74)** Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

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**The Grains Research and Development Cor-  
 poration see Grasslanz Technology Limited**  
**(21)** 2020201594

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**(71)** Third Pole, Inc.

**(11)** AU-A-2020201511  
**(21)** 2020201511 **(22)** 28.02.2020  
**(54)** Systems And Methods For Ambulatory  
 Generation Of Nitric Oxide  
**(51)** Int. Cl.  
**C01B 21/32** ( 2006.01 )

**A61M 16/10** ( 2006.01 )  
**A61M 16/12** ( 2006.01 )  
**A61M 16/20** ( 2006.01 )

**(43)** 19.03.2020  
**(62)** 2018224329  
**(72)** ZAPOL, David G.; HALL, Gregory W.;  
 SCHOLZ, Wolfgang; APOLLONIO, Ben-  
 jamin; HEIRTZLER, Frank; FERENCZ,  
 Andrew  
**(74)** WRAYS PTY LTD

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**(71)** ToolGen Incorporated

**(11)** AU-A-2020201485  
**(21)** 2020201485 **(22)** 28.02.2020  
**(54)** Composition For Cleaving A Target DNA  
 Comprising A Guide RNA Specific For  
 The Target DNA And Cas Protein-Encod-  
 ing Nucleic Acid Or Cas Protein, And Use  
 Thereof  
**(51)** Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**C12Q 1/68** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2017254854  
**(72)** KIM, Jin-Soo; CHO, Seung Woo; KIM, So-  
 jung; KIM, Jong Min; KIM, Seokjoong  
**(74)** WRAYS PTY LTD

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**Unigen, Inc. see Unigen, Inc.**

**(21)** 2020201457

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**(71)** Unigen, Inc.; Unigen, Inc.

**(11)** AU-A-2020201457  
**(21)** 2020201457 **(22)** 28.02.2020  
**(54)** Compositions and methods for managing  
 or improving bone disorders, cartilage dis-  
 orders, or both  
**(51)** Int. Cl.  
**A61K 36/605** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
**A61K 31/7034** ( 2006.01 )  
**A61K 36/48** ( 2006.01 )  
**A61P 19/00** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2018203795  
**(72)** BROWNELL, Lidia Alfaro; CHU, Min;  
 HONG, Mei-Feng; HYUN, Eu-Jin; JIA,  
 Qi; JIAO, Ping; KIM, Hyun-Jin; KIM, Tae-  
 Woo; LEE, Young-Chul; NAM, Jeong-  
 Bum; YIMAN, Mesfin; KIM, Mi-Ran  
**(74)** Spruson & Ferguson

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**University of Leicester see Omeros Corporation**

**(21)** 2020201500

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**University of Leicester see Omeros Corporation**

**(21)** 2020201633

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**(71)** University of Virginia Patent Foundation

**(11)** AU-A-2020201546  
**(21)** 2020201546 **(22)** 03.03.2020  
**(54)** Tracking changes in average glycemia in  
 diabetics  
**(51)** Int. Cl.  
**C12Q 1/54** ( 2006.01 )

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**G16C 20/10** ( 2019.01 )  
**G16C 20/30** ( 2019.01 )  
**(43)** 19.03.2020  
**(62)** 2014218785  
**(72)** Kovatchev, Boris P.; Breton, Marc D.  
**(74)** Watermark Intellectual Property Pty Ltd

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**(71)** University of Washington  
**(11)** AU-A-2020201619  
**(21)** 2020201619 **(22)** 04.03.2020  
**(54)** Therapeutic nuclease compositions and methods  
**(51)** Int. Cl.  
**A61K 38/43** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2018201073  
**(72)** LEDBETTER, Jeffrey A.; HAYDEN-LED-BETTER, Martha; ELKON, Keith; SUN, Xizhang  
**(74)** Spruson & Ferguson

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**(71)** UPM-Kymmene Corporation  
**(11)** AU-A-2019222838  
**(21)** 2019222838 **(22)** 28.08.2019  
**(54)** Composition or matrix for storage of bacteriophages  
**(51)** Int. Cl.  
**C12N 7/00** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 35/76** ( 2015.01 )  
**A61K 45/08** ( 2006.01 )  
**A61K 47/38** ( 2006.01 )  
**A61L 15/00** ( 2006.01 )  
**A61P 17/02** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**C12N 11/12** ( 2006.01 )  
**C40B 40/14** ( 2006.01 )  
**(31)** 18191194.2 **(32)** 28.08.18 **(33)** EP  
**(43)** 19.03.2020  
**(72)** Skurnik, Mikael; Kiljunen, Saija; Patpatia, Sheetal; Nuopponen, Markus; Paasonen, Lauri  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Vapotherm, Inc.  
**(11)** AU-A-2020201493  
**(21)** 2020201493 **(22)** 28.02.2020  
**(54)** SYSTEMS AND METHODS FOR PROVIDING RESPIRATORY THERAPY  
**(51)** Int. Cl.  
**A61M 11/00** ( 2006.01 )  
**A61M 16/06** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2017251790  
**(72)** Niland, William F.; Cortez Jr., Felino V.; McGarrity, George  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Vawdrey Australia Pty. Ltd.  
**(11)** AU-A-2020201588  
**(21)** 2020201588 **(22)** 04.03.2020  
**(54)** Improvements Relating to Curtain Sided Trucks and Trailers  
**(51)** Int. Cl.  
**B60P 7/04** ( 2006.01 )  
**B60J 5/06** ( 2006.01 )

**B60P 7/02** ( 2006.01 )  
**B62D 33/04** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2019229336  
**(72)** Lang, Alastair  
**(74)** Walker IP

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**(71)** Verb Surgical Inc.  
**(11)** AU-A-2020201561  
**(21)** 2020201561 **(22)** 03.03.2020  
**(54)** User console system for robotic surgery  
**(51)** Int. Cl.  
**A61B 34/30** ( 2016.01 )  
**A61B 34/37** ( 2016.01 )  
**B25J 13/00** ( 2006.01 )  
**B25J 13/08** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2017330370  
**(72)** Savall, Joan; Garcia Kilroy, Pablo E.; Nobles, Brent; Moore, David  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** VERIDIUM IP LIMITED  
**(11)** AU-A-2020201558  
**(21)** 2020201558 **(22)** 03.03.2020  
**(54)** SYSTEM AND METHOD FOR AUTHORIZING ACCESS TO ACCESS-CONTROLLED ENVIRONMENTS  
**(51)** Int. Cl.  
**H04M 1/00** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2018203747  
**(72)** HOYOS, Hector; BRAVERMAN, Jason; XIAO, Geoffrey; STREIT, Scott; MATH-ER, Jonathan Francis  
**(74)** AJ PARK

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**(71)** VIDEO GAMING TECHNOLOGIES, INC.  
**(11)** AU-A-2020201640  
**(21)** 2020201640 **(22)** 05.03.2020  
**(54)** Gaming machine with a curved display  
**(51)** Int. Cl.  
**A63F 13/00** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2014373841  
**(72)** HENNESSY, Edward; CUDDY, Ryan; SPRINKLE, Jason Todd; MELLENDER, Paul W.  
**(74)** Griffith Hack

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**(71)** W. L. Gore & Associates, Inc.  
**(11)** AU-A-2020201574  
**(21)** 2020201574 **(22)** 03.03.2020  
**(54)** Implantable devices capable of selective degradation  
**(51)** Int. Cl.  
**A61F 2/82** ( 2006.01 )  
**A61B 17/221** ( 2006.01 )  
**A61F 2/01** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2017207339  
**(72)** CULLY, Edward H.; VECCHIO, Christopher J.  
**(74)** Griffith Hack

**(71)** Westinghouse Air Brake Technologies Corporation  
**(11)** AU-A-2019213446  
**(21)** 2019213446 **(22)** 09.08.2019  
**(54)** METHOD AND APPARATUS FOR LEARNING AND VALIDATING BRAKE DECELERATION RATES  
**(51)** Int. Cl.  
**B61L 27/00** ( 2006.01 )  
**B61H 13/00** ( 2006.01 )  
**(31)** 16/116,115 **(32)** 29.08.18 **(33)** US  
 16/146,185 28.09.18 US  
**(43)** 19.03.2020  
**(72)** Staats, Andrew Ryan; Smith, Keith Edward; Langstraat, Brian James; Barr, Stuart John; Oswald, James A.; Kernwein, Jeffrey D.  
**(74)** Madderns Pty Ltd

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**(71)** Wilcox Industries Corp.  
**(11)** AU-A-2020201416  
**(21)** 2020201416 **(22)** 27.02.2020  
**(54)** Modular sighting assembly and method  
**(51)** Int. Cl.  
**F41G 3/06** ( 2006.01 )  
**F41G 1/00** ( 2006.01 )  
**F41G 1/473** ( 2006.01 )  
**F41G 11/00** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2015201060  
**(72)** Teetzel, James W.; Lemire, Gary M.; Carter III, Marvin S.; Francis, Daryl; Killam, Dean B.; Habrial, Jansen  
**(74)** Shelston IP Pty Ltd.

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**(71)** Wright Medical Technology, Inc.  
**(11)** AU-A-2020201624  
**(21)** 2020201624 **(22)** 04.03.2020  
**(54)** Cartilage removal tool and method  
**(51)** Int. Cl.  
**A61B 17/3205** ( 2006.01 )  
**A61B 17/32** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2018229467  
**(72)** WOODARD, Joseph Ryan; LUTTRELL, Paul; THOREN, Brian Robert; MULLER, Erin; STROHKIRCH, Terrance W.; LOWERY, Gary W.  
**(74)** Spruson & Ferguson

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**(71)** X-CHEM, INC.  
**(11)** AU-A-2020201447  
**(21)** 2020201447 **(22)** 27.02.2020  
**(54)** Benzhydryl-pyrazole derivatives having kinase inhibitory activity and uses thereof  
**(51)** Int. Cl.  
**C07D 231/14** ( 2006.01 )  
**A61K 31/415** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**C07D 403/12** ( 2006.01 )  
**(43)** 19.03.2020  
**(62)** 2018201295  
**(72)** KEEFE, Anthony D.; WAGNER, Richard W.; CLARK, Matthew; ZHANG, Ying; GIKUNJU, Diana; CUOZZO, John; THOMSON, Heather  
**(74)** Griffith Hack

Applications Open to Public Inspection - Name Index cont'd

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(71) X Development LLC  
 (11) AU-A-2020201566  
 (21) 2020201566 (22) 03.03.2020  
 (54) Inventory management  
 (51) Int. Cl.  
     G05D 1/02 ( 2006.01 )  
     G06T 1/00 ( 2006.01 )  
     G06T 7/11 ( 2017.01 )  
 (43) 19.03.2020  
 (62) 2017301538  
 (72) HANCE, Christopher; SHAFFER, Daniel  
 (74) Spruson & Ferguson

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(71) Xyleco, Inc.  
 (11) AU-A-2020201563  
 (21) 2020201563 (22) 03.03.2020  
 (54) Array For Processing Materials  
 (51) Int. Cl.  
     D06M 10/00 ( 2006.01 )  
     G21K 5/00 ( 2006.01 )  
     G21K 5/04 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2019200695  
 (72) Medoff, Marshall; Masterman, Thomas;  
     Paradis, Robert  
 (74) WRAYS PTY LTD

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(71) Yeda Research and Development Co. Ltd.  
 (11) AU-A-2020201602  
 (21) 2020201602 (22) 04.03.2020  
 (54) Reducing systemic regulatory T cell levels  
     or activity for treatment of disease and in-  
     jury of the CNS  
 (51) Int. Cl.  
     A61K 39/395 ( 2006.01 )  
     A61K 38/00 ( 2006.01 )  
     A61P 25/00 ( 2006.01 )  
     A61P 25/14 ( 2006.01 )  
     A61P 25/16 ( 2006.01 )  
     A61P 25/28 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2018220155  
 (72) Eisenbach-Schwartz, Michal; Baruch, Kuti;  
     Rosenzweig, Neta  
 (74) FB Rice Pty Ltd

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(71) ZHANG, Y.  
 (11) AU-A-2019222833  
 (21) 2019222833 (22) 27.08.2019  
 (54) Rubik's Cube Rotating Cabinet  
 (51) Int. Cl.  
     A47B 49/00 ( 2006.01 )  
 (31) 201811025950.4 (32) 04.09.18 (33) CN  
     201821441686.8 04.09.18 CN  
     201830544672.8 27.09.18 CN  
 (43) 19.03.2020  
 (72) ZHANG, YONG  
 (74) MAXIM LEGAL PTY LTD

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(71) Zimmer Biomet CMF and Thoracic, LLC  
 (11) AU-A-2020201496  
 (21) 2020201496 (22) 28.02.2020  
 (54) STERNAL CLOSURE CERCLAGE,  
     PLATE IMPLANT AND INSTRUMENT-  
     ATION

(51) Int. Cl.  
     A61B 17/80 ( 2006.01 )  
     A61B 17/82 ( 2006.01 )  
     A61B 17/88 ( 2006.01 )  
 (43) 19.03.2020  
 (62) 2015231821  
 (72) Garcia, Saddy R.; Luby, Ryan N.; Wilcox,  
     Bryan; Sidwell, Scott; Bruneau, Aurelien;  
     Sink, Sam; Hale, Rachel; Witten, Benjamin  
 (74) Phillips Ormonde Fitzpatrick

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(71) Zou, G.  
 (11) AU-A-2019201150  
 (21) 2019201150 (22) 19.02.2019  
 (54) HUMAN PRESENCE DETECTOR AND  
     THE HUMAN PRESENCE DETECTION  
     METHOD THEREOF  
 (51) Int. Cl.  
     G01S 13/04 ( 2006.01 )  
 (31) 2018110106250 (32) 31.08.18 (33) CN  
 (43) 19.03.2020  
 (72) Zou, Gaoqi; Zou, Xin; Zou, Mingzhi  
 (74) Lord & Company

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2018223042	Jusand Nominees Pty Ltd	2019222894	Aristocrat Technologies Australia Pty Limited
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2018223061	Herbst, J.	2019222898	FTC Solar, Inc.
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2018353932	Central South University	2019222901	Oticon Medical A/S
2019200284	Boldan Oy	2019222908	Bellekom, S.
2019201015	Agency for Defense Development	2019222910	Aristocrat Technologies Australia Pty Limited
2019201150	Zou, G.	2019222915	Aristocrat Technologies Australia Pty Limited
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2019203692	Johnson & Johnson Consumer Inc.	2019222923	LG Electronics INC
2019203916	National Geographic Society	2019222933	Sercel
2019204081	Aurora Flight Sciences Corporation	2019222951	Aristocrat Technologies Australia Pty Limited
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2019208193	Shenzhen Merrytek Technology Co., Ltd	2019226144	China University of Mining and Technology
2019208245	Eger, H.	2019226156	Aristocrat Technologies Australia Pty Limited
2019213294	Deere & Company	2019226160	Joy Global Underground Mining LLC
2019213300	Deere & Company	2019226167	Aristocrat Technologies Australia Pty Limited
2019213405	Snap-on Incorporated	2019226176	Hunter Douglas Industries B.V.
2019213406	Snap-on Incorporated	2019226210	Sabeti, S.
2019213446	Westinghouse Air Brake Technologies Corporation	2019261733	Dongshin Polymer Co., Ltd.; Shinko Kasei Co., Ltd.
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2019213457	Electrolux Appliances Aktiebolag	2019303430	Nanjing Wasin Fujikura Optical Communication Ltd.
2019216644	Accenture Global Solutions Limited	2020200670	Davis, T.; Nemir, D.
2019216726	MEPROLIGHT (1990) LTD.	2020200744	MannKind Corporation
2019219716	Biosense Webster (Israel) Ltd.	2020201352	Nevro Corporation
2019219734	Rohm and Haas Company	2020201381	INDYME SOLUTIONS, LLC; KING, G.; MORIKAWA, D.; BALDWIN, B.; KEPNER, B.; BUDANO, J.; DEAL, S.
2019219735	Rohm and Haas Company	2020201408	Rearden, LLC
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2019219754	Accenture Global Solutions Limited	2020201414	Aristocrat Technologies Australia Pty Limited
2019219756	Accenture Global Solutions Limited	2020201415	SmartComms SC Limited
2019219773	P J Staples Limited	2020201416	Wilcox Industries Corp.
2019219820	Accenture Global Solutions Limited	2020201417	Powercast Corporation
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2019222791	Holownia, L.	2020201432	Fisher & Paykel Healthcare Limited
2019222797	Curtin University	2020201433	Pro-Team Buns, LLC
2019222806	BLM S.p.A.	2020201436	Covidien LP
2019222823	Ford, A.; Coughlan, K.; Coughlan, P.	2020201438	Ecolab USA, Inc.
2019222828	Bme S.r.l.	2020201439	Immunolight, LLC
2019222830	Heatweed Technologies AS	2020201440	Intervention Technology Pty Ltd
2019222831	LAKE COUNTRY TOOL, LLC	2020201441	Alnylam Pharmaceuticals, Inc.
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2020201487	Hewlett-Packard Development Company, L.P.	2020201604	Swiss VX Venentherapie und Forschung GmbH
2020201489	Bluebird Bio, Inc.	2020201605	Bioncotech Therapeutics, S. L
2020201492	Aristocrat Technologies Australia Pty Limited	2020201606	Dr. Ing. h.c.F. Porsche Aktiengesellschaft
2020201493	Vapotherm, Inc.	2020201608	Amgen Inc.
2020201494	FMC CORPORATION	2020201609	Apple Inc.
2020201495	Biocompatibles UK Ltd.	2020201610	The Boeing Company
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2020201499	Alkermes, Inc.	2020201617	Arrowhead Pharmaceuticals, Inc.
2020201500	Omeros Corporation; University of Leicester	2020201619	University of Washington
2020201501	Jusand Nominees Pty Ltd	2020201620	Feramda Ltd.
2020201502	Cytec Industries Inc.	2020201622	Seven Bridges Genomics Inc.
2020201503	BeulahWorks, LLC	2020201624	Wright Medical Technology, Inc.
2020201505	Precision Planting LLC	2020201625	Patent Investment & Licensing Company
2020201507	Bayer CropScience; Bayer CropScience LP	2020201626	GrowlerWerks, Inc.
2020201509	Medrobotics Corporation	2020201627	Aristocrat Technologies Australia Pty Limited
2020201510	Johnson & Johnson Consumer Companies, Inc.	2020201629	Apple Inc.
2020201511	Third Pole, Inc.	2020201630	Glysens Incorporated
2020201517	HUYNH, C.	2020201631	FMC CORPORATION
2020201520	Goldman Sachs & Co. LLC	2020201633	Omeros Corporation; University of Leicester
2020201521	Tela Innovations, Inc.	2020201634	Dexcom, Inc.
2020201523	FISHER & PAYKEL HEALTHCARE LIMITED	2020201635	NuXcel, Inc.
2020201525	APO-T B.V.	2020201637	Fisher & Paykel Healthcare Limited
2020201526	Acceleron Pharma Inc.	2020201638	Exelixis, Inc.
2020201527	BrightGene Bio-Medical Technology Co., Ltd.	2020201640	VIDEO GAMING TECHNOLOGIES, INC.
2020201528	Okta, Inc.	2020201641	CareFusion 303, Inc.
2020201530	BGC Partners, Inc.	2020201643	Mars, Incorporated
2020201531	Flyingtee Tech, LLC	2020201644	Mars, Incorporated
2020201532	Armstrong World Industries, Inc.		
2020201537	PARIS, J.		
2020201539	Colgate-Palmolive Company; Omron Healthcare Co., Ltd		
2020201543	Applied Medical Resources Corporation		
2020201545	Pride Mobility Products Corporation		
2020201546	University of Virginia Patent Foundation		
2020201547	Knight, R.		
2020201548	Azura Ophthalmics Ltd.		
2020201550	LifeSci Pharmaceuticals, Inc.		
2020201551	Boehringer Ingelheim Vetmedica GmbH		
2020201552	GSW Creative Corporation		
2020201553	FISHER & PAYKEL HEALTHCARE LIMITED		
2020201555	Nippon Suisan Kaisha, Ltd.		
2020201556	Novartis AG		
2020201558	VERIDIUM IP LIMITED		
2020201561	Verb Surgical Inc.		
2020201562	SOLITON HOLDINGS CORPORATION, DELAWARE CORPORATION		
2020201563	Xyleco, Inc.		
2020201564	Hancock, R.E.		
2020201565	LIN, H.		
2020201566	X Development LLC		
2020201567	Mars, Incorporated		
2020201568	SOLITON HOLDINGS CORPORATION, DELAWARE CORPORATION		
2020201570	Dolby International AB		
2020201573	Air Products and Chemicals, Inc.		
2020201574	W. L. Gore & Associates, Inc.		

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

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 (54) Inductive interconnection systems  
 (51) Int. Cl.  
     H02J 50/10 ( 2016.01 )  
     G06F 3/033 ( 2013.01 )  
     H01F 38/14 ( 2006.01 )  
     H04B 5/00 ( 2006.01 )  
 (45) 19.03.2020  
 (62) 2019100513  
 (72) MARSHALL, Blake R.; OW, Florence W.; RUSCHER, Joel N.; TAN, Liquan; ZIMMERMAN, Aidan N.; NASIRI MAHALATI, Reza; ZHU, Hao; JI, Qigen; SAMPATH, Madhusudanan Keezhveedi; LIU, Nan; SCRITZKY, Robert; LISI, Gianpaolo  
 (74) FPA Patent Attorneys Pty Ltd

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 (72) MOSTAFA, Eslam A.; GUO, Haitao; TANG, Feng  
 (74) FPA Patent Attorneys Pty Ltd

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 (74) George Griziotis

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(71) Bonnici, J.  
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     G06Q 50/22 ( 2018.01 )  
     G06Q 10/10 ( 2012.01 )  
 (45) 19.03.2020  
 (72) Bonnici, John Paul  
 (74) John Paul Bonnici

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Cao, S. see Yang, Y.  
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     G06Q 50/16 ( 2012.01 )  
     G06F 16/20 ( 2019.01 )  
     G06Q 30/06 ( 2012.01 )  
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 (62) 2019101058  
 (72) LI, Hao; LUO, Chunyan  
 (74) LEGALVISION ILP PTY. LTD.

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(71) FUZHOU AUTRAN INDUSTRIAL CO.,LTD  
 (11) AU-A-2020100219  
 (21) 2020100219 (22) 14.02.2020  
 (54) ADJUSTABLE STANDOFF FOR HANGING PLATE-LIKE OBJECTS  
 (51) Int. Cl.  
     F16B 5/02 ( 2006.01 )  
 (31) 201920209641.6 (32) 18.02.19 (33) CN  
 (45) 19.03.2020  
 (72) XUE, Ming  
 (74) Baxter Patent Attorneys Pty Ltd

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Guan, J. see Yang, Y.  
 (21) 2020100196

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(71) Guard it Solutions Pty Ltd  
 (11) AU-A-2020100212  
 (21) 2020100212 (22) 13.02.2020  
 (54) Cleaning compositions and the use thereof  
 (51) Int. Cl.  
     C11D 1/83 ( 2006.01 )  
     C11D 1/00 ( 2006.01 )  
     C11D 1/66 ( 2006.01 )  
     C11D 3/20 ( 2006.01 )  
     C11D 3/30 ( 2006.01 )  
     C11D 3/36 ( 2006.01 )  
 (31) 2019900496 (32) 15.02.19 (33) AU  
 (45) 19.03.2020  
 (72) Powell, Ted  
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(71) Heilongjiang University  
 (11) AU-A-2020100210  
 (21) 2020100210 (22) 13.02.2020  
 (54) Slide Preparing Method Applied for Chromosome Identification of Distant Hybrid Beet  
 (51) Int. Cl.  
     C12Q 1/6806 ( 2018.01 )  
     C12Q 1/6895 ( 2018.01 )  
     G01N 1/30 ( 2006.01 )

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(45) 19.03.2020  
 (72) LIU, Liping; LIU, Qiaohong  
 (74) WRAYS PTY LTD

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 (21) 2020100178

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 (21) 2020100179

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 (21) 2020100196

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 (21) 2020100199

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(71) K & L Ea Pty Ltd  
 (11) AU-A-2020100193  
 (21) 2020100193 (22) 07.02.2020  
 (54) VEHICLE SPEED AWARENESS APPARATUS  
 (51) Int. Cl.  
     G01P 3/00 ( 2006.01 )  
 (45) 19.03.2020  
 (72) Ea, Keang Kok; Zhang, Chun Bin; La, Heng Tri; Rigby, William Patrick Patton  
 (74) Michael Buck IP

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Liu, J. see Yang, Y.  
 (21) 2020100178

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(71) Ljubanovic, F.  
 (11) AU-A-2020100214  
 (21) 2020100214 (22) 14.02.2020  
 (54) The Conveyancing-Workflow Marketplace System ("CWMS") is an application which utilises computer-implemented technology configured in such manner as to enable conveyancers and legal practitioners to self-assign various components of a conveyancing matter spanning the lifecycle of a transaction, from commencement through to completion.  
 (51) Int. Cl.  
     G06Q 50/18 ( 2012.01 )  
     G06Q 50/16 ( 2012.01 )  
 (45) 19.03.2020  
 (72) Ljubanovic, Fabian  
 (74) Fabian Ljubanovic

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(71) Marchitto, S.  
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 (21) 2018102155 (22) 05.06.2018  
 (54) Roof Tile Anchor

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**E04D 1/34** ( 2006.01 )  
 (31) 2017902127 (32) 05.06.17 (33) AU  
 (45) 19.03.2020  
 (72) Marchitto, Sam  
 (74) Spruson & Ferguson

(71) Paul Bekker Engineers Pty Limited  
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 (21) 2014101664 (22) 19.11.2014  
 (54) Earthquake Resistant Building Slab  
 (51) Int. Cl.  
**E02D 27/34** ( 2006.01 )  
**E04B 5/00** ( 2006.01 )  
**E04B 5/43** ( 2006.01 )  
 (31) 625154 (32) 19.05.14 (33) NZ  
 (45) 19.03.2020  
 (72) Bekker, Paul  
 (74) FB Rice Pty Ltd

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 (21) 2020100217

(71) PROLOGIUM TECHNOLOGY CO., LTD.; PROLOGIUM HOLDING INC.  
 (11) AU-A-2020100217  
 (21) 2020100217 (22) 14.02.2020  
 (54) BATTERY STRUCTURE  
 (51) Int. Cl.  
**H01M 2/34** ( 2006.01 )  
 (45) 19.03.2020  
 (62) 2018272338  
 (72) YANG, Szu-Nan  
 (74) Collison & Co

(71) Pujiang Left and Right Industry and Trade Co., Ltd.  
 (11) AU-A-2019101457  
 (21) 2019101457 (22) 26.11.2019  
 (54) High-strength tensile horn hook with stability mechanism  
 (51) Int. Cl.  
**B66C 1/34** ( 2006.01 )  
**B66C 13/06** ( 2006.01 )  
**B66C 15/00** ( 2006.01 )  
**B66D 3/04** ( 2006.01 )  
 (31) 2019214103533 (32) 28.08.19 (33) CN  
 (45) 19.03.2020  
 (72) Hong, Chao  
 (74) Xueyang Song

(71) Pujiang Left and Right Industry and Trade Co., Ltd.  
 (11) AU-A-2019101458  
 (21) 2019101458 (22) 26.11.2019  
 (54) Console for polishing equipment for horn hook  
 (51) Int. Cl.  
**B24B 19/16** ( 2006.01 )  
**B24B 33/00** ( 2006.01 )  
**B24B 41/00** ( 2006.01 )  
 (31) 2019214171704 (32) 29.08.19 (33) CN  
 (45) 19.03.2020  
 (72) Hong, Chao  
 (74) Xueyang Song

(71) Q-YIELD OUTDOOR GEAR LTD.  
 (11) AU-A-2020100215  
 (21) 2020100215 (22) 14.02.2020  
 (54) SIDE SUPPORTING TYPE VEHICLE ROOF TENT  
 (51) Int. Cl.  
**E04H 15/06** ( 2006.01 )  
**E04H 15/48** ( 2006.01 )  
 (45) 19.03.2020  
 (62) 2018425677  
 (72) JIN, Qiu; ZHOU, Nanqing; MAO, Muhua; CHEN, Ming  
 (74) Collison & Co

(71) RAW TALENT AGENCY PTY LTD  
 (11) AU-A-2020100173  
 (21) 2020100173 (22) 04.02.2020  
 (54) BoomBox2U is an all in one mobile DJ unit that provides DJ Services and Entertainment to Functions, Corporate Parties, Events and other special occasions. BoomBox2U has shorten the setup/bump in time by 30 minutes giving the operator (DJ) more time to get to the venue and making it easier for them to setup. BoomBox2U provides more than just Music and a DJ. It can also project photos, logos and video with it's built in TV display unit. BoomBox2U provides the customer with a life size, led, interactive old school Boom Box. Supplied with or without a DJ.  
 (51) Int. Cl.  
**G06F 16/40** ( 2019.01 )  
**G06F 3/14** ( 2006.01 )  
**G06F 3/16** ( 2006.01 )  
 (45) 19.03.2020  
 (72) Rawson, Daniel  
 (74) RAW TALENT AGENCY PTY LTD

(71) Sino Rubber Tech Co.,Ltd.  
 (11) AU-A-2020100207  
 (21) 2020100207 (22) 12.02.2020  
 (54) PRE-PILED PACKER  
 (51) Int. Cl.  
**E02D 15/06** ( 2006.01 )  
**E02D 27/12** ( 2006.01 )  
**E02D 27/52** ( 2006.01 )  
 (45) 19.03.2020  
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 (74) Madderns Pty Ltd

(71) Taiyuan University of Science and Technology  
 (11) AU-A-2020100149  
 (21) 2020100149 (22) 29.01.2020  
 (54) Sewage Energy And Biogas Energy Combined Heat Pump Heating System  
 (51) Int. Cl.  
**F25B 30/02** ( 2006.01 )  
**F24D 3/08** ( 2006.01 )  
**F24D 3/18** ( 2006.01 )  
**F24D 17/00** ( 2006.01 )  
**F25B 27/02** ( 2006.01 )  
**F25B 29/00** ( 2006.01 )

**F25B 30/06** ( 2006.01 )  
 (45) 19.03.2020  
 (72) LI, Xiaoming; ZHI, Lifei; MA, Jiwei; ZHANG, Hong  
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(71) Techtronic Outdoor Products Technology Limited  
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 (54) An interface for a power tool  
 (51) Int. Cl.  
**G06F 11/30** ( 2006.01 )  
**G06F 11/32** ( 2006.01 )  
**A01D 101/00** ( 2006.01 )  
 (45) 19.03.2020  
 (62) 2012385408  
 (72) RICKY, Todd Brandon; ZHOU, Haijun  
 (74) Griffith Hack

(71) The trustee for WHITING FAMILY TRUST  
 (11) AU-A-2020100114  
 (21) 2020100114 (22) 22.01.2020  
 (54) Novel method to determine binder(bitumen) content and aggregate grading of asphalt and aggregate  
 (51) Int. Cl.  
**G01N 33/42** ( 2006.01 )  
**C08L 95/00** ( 2006.01 )  
**G01N 1/04** ( 2006.01 )  
**G01N 21/01** ( 2006.01 )  
**G01N 21/84** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
 (45) 19.03.2020  
 (72) Whiting, Steven James  
 (74) The trustee for WHITING FAMILY TRUST

(71) TTI (Macao Commercial Offshore) Limited  
 (11) AU-A-2017101876  
 (21) 2017101876 (22) 30.11.2017  
 (54) Safety item, tool and system therefor  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
 (31) 16113659.7 (32) 30.11.16 (33) HK  
 (45) 19.03.2020  
 (72) Rickey, Todd  
 (74) Griffith Hack

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 (11) AU-A-2018102161  
 (21) 2018102161 (22) 23.02.2018  
 (54) Battery pack and method of connecting the same to external battery systems in parallel  
 (51) Int. Cl.  
**H02J 7/04** ( 2006.01 )  
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 (45) 19.03.2020  
 (72) LI, Yong Min; ZHUANG, Ming Jun; WANG, Ren Jie  
 (74) Griffith Hack

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 (21) 2020100179

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(21) 2020100178

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(21) 2020100179

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(11) AU-A-2020100178  
(21) 2020100178 (22) 04.02.2020  
(54) Multiple decision maps based infrared and visible image fusion  
(51) Int. Cl.  
G06K 9/62 ( 2006.01 )  
G06K 9/46 ( 2006.01 )  
G06N 3/04 ( 2006.01 )  
(45) 19.03.2020  
(72) Yang, Yong; Liu, Jiexiang; Huang, Shuying; Wen, Wenying  
(74) Yong Yang

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(71) Yang, Y.; Wan, C.; Huang, S.; Wen, W.  
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(21) 2020100179 (22) 04.02.2020  
(54) Optimization Details-Based Injection Model for Remote Sensing Image Fusion  
(51) Int. Cl.  
G06T 5/50 ( 2006.01 )  
G06N 7/02 ( 2006.01 )  
G06T 5/40 ( 2006.01 )  
G06T 7/00 ( 2017.01 )  
(45) 19.03.2020  
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(74) Yong Yang

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(11) AU-A-2020100196  
(21) 2020100196 (22) 08.02.2020  
(54) A method of removing rain from single image based on detail supplement  
(51) Int. Cl.  
G06T 5/20 ( 2006.01 )  
G06T 7/33 ( 2017.01 )  
(45) 19.03.2020  
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(21) 2020100199 (22) 08.02.2020  
(54) A medical image fusion method based on two-layer decomposition and improved spatial frequency  
(51) Int. Cl.  
G06T 5/50 ( 2006.01 )  
(45) 19.03.2020  
(72) Yang, Yong; Cao, Sihua; Huang, Shuying  
(74) Yong Yang

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(11) AU-A-2020100184  
(21) 2020100184 (22) 05.02.2020

(54) ENVIRONMENTALLY FRIENDLY STRAW

(51) Int. Cl.  
A47G 21/18 ( 2006.01 )  
B24B 33/02 ( 2006.01 )

(45) 19.03.2020

(72) Yeh, Jia-Cheng

(74) Alfred Lei

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<b>2019101457</b>	Pujiang Left and Right Industry and Trade Co., Ltd.
<b>2019101458</b>	Pujiang Left and Right Industry and Trade Co., Ltd.
<b>2020100114</b>	The trustee for WHITING FAMILY TRUST
<b>2020100149</b>	Taiyuan University of Science and Technology
<b>2020100171</b>	Barrett, P.
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<b>2020100198</b>	Bonnici, J.
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<b>2020100207</b>	Sino Rubber Tech Co.,Ltd.
<b>2020100210</b>	Heilongjiang University
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<b>2020100214</b>	Ljubanovic, F.
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<b>2020100216</b>	Apple Inc.
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- . (\*\*) Title not given

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*A62B 35/00* ( 2006.01 )  
*E04G 21/32* ( 2006.01 )  
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 (31) 62/561,855 (32) 22.09.17 (33) US  
 (43) 28.03.2019  
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 (74) FPA Patent Attorneys Pty Ltd

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 (54) HDAC inhibitor in combination with immune checkpoint modulator for cancer therapy  
 (51) Int. Cl.  
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*A61K 31/4155* ( 2006.01 )  
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 (31) 17190238.0 (32) 08.09.17 (33) EP  
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 (72) DANHAUSER-RIEDL, Susanne; HERMANN, Frank; BAUMGARTNER, Roland; HAMM, Svetlana; BARTZ, René  
 (74) Davies Collison Cave Pty Ltd

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(71) 8 Rivers Capital, LLC  
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 (54) Low-grade heat optimization of recuperative supercritical co  
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*F02C 1/00* ( 2006.01 )  
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 (87) WO2019/043556  
 (31) 62/551,025 (32) 28.08.17 (33) US  
 (43) 07.03.2019  
 (72) FORREST, Brock Alan  
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 (54) Macrocyclic MCL-1 inhibitors and methods of use  
 (51) Int. Cl.  
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*A61K 31/395* ( 2006.01 )  
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 (51) Int. Cl.  
*C07D 215/44* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
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 (54) Anti-EGFR antibody drug conjugates (ADC) and uses thereof  
 (51) Int. Cl.  
*C07K 16/40* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
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 (72) REILLY, Edward; ANDERSON, Mark  
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 (51) Int. Cl.  
*A23L 29/269* ( 2016.01 )  
*A23L 33/10* ( 2016.01 )  
*A23L 33/16* ( 2016.01 )  
*A61K 31/19* ( 2006.01 )  
*A61K 33/06* ( 2006.01 )  
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 (51) Int. Cl.  
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*A61P 35/00* ( 2006.01 )  
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 (72) CRABE, Sandrine; SCHERRER, Didier; EHRlich, Hartmut; POULETTY, Philippe  
 (74) Davies Collison Cave Pty Ltd

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(71) Absolute Software Corporation  
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 (54) Secure firmware interface  
 (51) Int. Cl.  
*G06F 21/71* ( 2013.01 )  
*G06F 21/44* ( 2013.01 )  
*H04L 9/08* ( 2006.01 )  
 (87) WO2019/046933  
 (31) 62/554,811 (32) 06.09.17 (33) US  
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F24F 3/16 ( 2006.01 )  
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A61P 35/00 ( 2006.01 )  
C07C 217/18 ( 2006.01 )  
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 A61N 5/10 (2006.01)  
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 B41J 2/005 (2006.01)  
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 B65G 17/40 (2006.01)  
 B63B 21/04 (2006.01)  
 B63B 21/20 (2006.01)  
 B66D 1/30 (2006.01)  
 B66D 1/72 (2006.01)  
 F16G 15/12 (2006.01)  
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 C12P 7/40 (2006.01)  
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 C25C 3/20 (2006.01)  
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 A61B 5/145 ( 2006.01 )  
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 (51) Int. Cl.  
 A61M 25/00 ( 2006.01 )  
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 (54) Secondary insertion feature for assembled package  
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*A61K 8/02* ( 2006.01 )  
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 F25J 1/02 ( 2006.01 )  
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**F41H 11/08** ( 2006.01 )  
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**G08B 25/00** ( 2006.01 )
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**H04W 16/28** ( 2009.01 )  
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**H04W 80/00** ( 2009.01 )  
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**H04B 1/713** ( 2011.01 )  
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**A61M 5/24** ( 2006.01 )  
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*B65D 19/30* (2006.01)  
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*B29C 31/06* (2006.01)  
*B29C 31/10* (2006.01)  
*G05D 11/13* (2006.01)  
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*F28D 21/00* (2006.01)  
*F28F 1/06* (2006.01)  
*F28F 1/08* (2006.01)
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**A01N 47/38** ( 2006.01 )  
**A01P 13/00** ( 2006.01 )  
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**A61P 31/22** ( 2006.01 )  
**C07K 16/08** ( 2006.01 )  
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*C08L 1/00* (2006.01)  
*H01M 4/525* (2010.01)  
*H01M 4/587* (2010.01)  
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 (74) FPA Patent Attorneys Pty Ltd
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 (54) System for processing bone-in leg meat and method for producing separated meat  
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*A22C 21/00* (2006.01)  
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*B26D 1/147* (2006.01)  
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**E04B 1/61** ( 2006.01 )  
**E04C 5/16** ( 2006.01 )  
**F16B 5/06** ( 2006.01 )  
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 (51) Int. Cl.  
*G06F 21/60* ( 2013.01 )  
*H04L 29/06* ( 2006.01 )  
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*A47L 9/04* ( 2006.01 )  
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*A61P 1/16* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
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*A61P 9/10* ( 2006.01 )  
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**B29C 43/18** ( 2006.01 )  
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 (51) Int. Cl.  
**B01F 5/10** ( 2006.01 )  
**B01F 5/16** ( 2006.01 )  
**B01J 19/00** ( 2006.01 )  
**B05B 7/04** ( 2006.01 )  
**B22F 9/12** ( 2006.01 )  
**C02F 1/72** ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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**G04B 37/16** ( 2006.01 )  
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 VERBURG, Willem; VAN DER PRIJT,  
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 (74) Phillips Ormonde Fitzpatrick

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 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (54) Patient monitoring system and method  
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 (51) Int. Cl.



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**(21)** 2018323097 **(22)** 29.08.2018  
**(54)** System and method for monitoring conditions of organic products  
**(51)** Int. Cl.  
**G01N 33/02** ( 2006.01 )  
**G06Q 10/08** ( 2012.01 )  
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**(74)** WRAYS PTY LTD
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**(21)** 2018325278 **(22)** 31.08.2018  
**(54)** Multi-stage polymeric latexes, coating compositions containing such latexes, and articles coated therewith  
**(51)** Int. Cl.  
**C09D 5/02** ( 2006.01 )  
**B65D 25/14** ( 2006.01 )  
**C09D 151/00** ( 2006.01 )  
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**(54)** Method and device for producing a composite wood board  
**(51)** Int. Cl.  
**B27N 1/00** ( 2006.01 )  
**B27N 1/02** ( 2006.01 )  
**B27N 3/14** ( 2006.01 )  
**B27N 3/18** ( 2006.01 )  
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**(21)** 2017431376 **(22)** 15.09.2017  
**(54)** Door system for a vacuum train  
**(51)** Int. Cl.  
**B61B 1/02** ( 2006.01 )  
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**B61D 19/02** ( 2006.01 )  
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**(43)** 21.03.2019  
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**(74)** Shelley Rowland
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**(21)** 2018326483 **(22)** 28.08.2018  
**(54)** Tools for shaping a food item  
**(51)** Int. Cl.  
**A47J 37/12** ( 2006.01 )  
**A47J 36/20** ( 2006.01 )  
**A47J 37/10** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 9/99** ( 2006.01 )  
**(87)** WO2019/045036  
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**(43)** 07.03.2019  
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**(51)** Int. Cl.  
**C07D 401/04** ( 2006.01 )  
**A61K 31/439** ( 2006.01 )  
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**A61K 31/506** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**C07D 409/14** ( 2006.01 )  
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**(74)** Phillips Ormonde Fitzpatrick
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**(11)** AU-A-2018312326  
**(21)** 2018312326 **(22)** 02.08.2018  
**(54)** Heterocyclic compound and use thereof  
**(51)** Int. Cl.  
**C07D 401/06** ( 2006.01 )  
**A61K 31/435** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**C07D 211/36** ( 2006.01 )  
**C07D 405/06** ( 2006.01 )  
**C07D 417/06** ( 2006.01 )  
**(87)** WO2019/027058  
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**(74)** Griffith Hack
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- (71)** Tau Tech AS  
**(11)** AU-A-2018355824  
**(21)** 2018355824 **(22)** 24.10.2018  
**(54)** Fishing tool for bottom-dwelling marine organisms, for fishing iceland scallops, other scallops and potentially other bottom species such as sea cucumbers, sea urchins, other types of shellfish and species of crab  
**(51)** Int. Cl.  
**A01K 80/00** ( 2006.01 )  
**(87)** WO2019/083375  
**(31)** 20171710 **(32)** 25.10.17 **(33)** NO  
**(43)** 02.05.2019  
**(72)** TVEDT, Øystein; ROGNE, Bernt; ROPPEN, Bjørn; FARSTAD, Sverre Olav; ROGNE, Jan; SANDVIK, Karl Fredrik  
**(74)** Griffith Hack
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**(11)** AU-A-2018308978  
**(21)** 2018308978 **(22)** 01.08.2018  
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**(51)** Int. Cl.  
**A61P 1/04** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**C12N 5/071** ( 2010.01 )  
**C12N 5/0775** ( 2010.01 )  
**C12N 5/0797** ( 2010.01 )  
**C12N 15/09** ( 2006.01 )  
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 (54) Mounting structure  
 (51) Int. Cl.  
*E04D 1/34* ( 2006.01 )  
*E04D 1/12* ( 2006.01 )  
*F16M 13/02* ( 2006.01 )  
*F24S 25/30* ( 2018.01 )  
*F24S 25/40* ( 2018.01 )  
*H02S 20/23* ( 2014.01 )  
 (87) WO2019/040003  
 (31) 10201706990X (32) 25.08.17 (33) SG  
 (43) 28.02.2019  
 (72) NG, Shyang Long Eric  
 (74) Phillips Ormonde Fitzpatrick
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 (54) Nuclease systems for genetic engineering  
 (51) Int. Cl.  
*C12N 15/11* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
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*A61P 17/00* ( 2006.01 )  
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*A61P 17/04* ( 2006.01 )  
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*C07K 7/08* ( 2006.01 )  
*G01N 33/53* ( 2006.01 )  
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**C12Q 1/68** ( 2018.01 )  
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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
**C07F 5/04** ( 2006.01 )  
**G01N 21/64** ( 2006.01 )  
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 FAN, Shengqiang  
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**B65G 19/22** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A61K 39/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
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**G01N 27/62** ( 2006.01 )  
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**C12P 21/08** ( 2006.01 )  
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**(51)** Int. Cl.  
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**B41M 3/00** ( 2006.01 )  
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**C07K 16/18** ( 2006.01 )  
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**A61P 29/00** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**(74)** Dark IP

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**(51)** Int. Cl.  
**G06Q 50/30** ( 2012.01 )  
**G01C 21/34** ( 2006.01 )  
**G05D 1/02** ( 2006.01 )  
**G08G 1/127** ( 2006.01 )  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(51)** Int. Cl.  
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**G01C 21/36** ( 2006.01 )  
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**(54)** Predictive session analyzer for a network system  
**(51)** Int. Cl.  
**G06Q 50/14** ( 2012.01 )  
**G06Q 10/10** ( 2012.01 )  
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**(54)** Binding agents  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
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**(54)** Process for preparing black tea products

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**A23F 3/18** ( 2006.01 )  
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 Alzheimer 2012 S.L.; IBSAL (Instituto de  
 Investigación Biomédica de Salamanca);  
 Universidad de Salamanca  
**(11)** AU-A-2018311276  
**(21)** 2018311276 **(22)** 03.08.2018  
**(54)** Anti-presenilin antibody for use in the pre-  
 vention and/or treatment of cancer  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
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 FERNANDEZ MATEOS, Javier; GAL-  
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 GOMEZ, David  
**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2018336656  
**(21)** 2018336656 **(22)** 28.08.2018  
**(54)** Small-molecule organic dyes  
**(51)** Int. Cl.  
**C09B 11/28** ( 2006.01 )  
**C09B 11/24** ( 2006.01 )  
**C09B 15/00** ( 2006.01 )  
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**(31)** 17188288.9 **(32)** 29.08.17 **(33)** EP  
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**(72)** SPARR, Christof; FISCHER, Christian  
**(74)** Alder IP Pty Ltd
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- (71) Universitat Politecnica De Valencia; Con-  
 sorcio Centro de Investigacion Biomedica  
 en Red, M.P.; Instituto De Investigacion  
 Sanitaria La Fe-Fundacion Para La Invest-  
 igacion Del Hospital Universitario Y Po-  
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 ciana; Universitat Rovira I Virgili  
**(11)** AU-A-2018330613  
**(21)** 2018330613 **(22)** 23.08.2018  
**(54)** Porous material for the detection of Can-  
 dida albicans, diagnostic method using  
 same and preparation method thereof  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
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**(31)** P201731069 **(32)** 05.09.17 **(33)** ES  
**(43)** 14.03.2019  
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 TORMO MAS, María Àngeles; PEMÁN
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 Francisco; XIFRÉ PÉREZ, Elisabet  
**(74)** WRAYS PTY LTD
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 versity of Ireland Cork  
**(11)** AU-A-2018310913  
**(21)** 2018310913 **(22)** 03.08.2018  
**(54)** Tissue penetrating surgical systems and  
 methods  
**(51)** Int. Cl.  
**A61B 17/16** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**B23B 49/00** ( 2006.01 )  
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**(31)** 62/541,339 **(32)** 04.08.17 **(33)** US  
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**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2018318138  
**(21)** 2018318138 **(22)** 14.08.2018  
**(54)** Methods and kits for detecting antibiotic-in-  
 activating factors  
**(51)** Int. Cl.  
**C40B 30/06** ( 2006.01 )  
**C40B 40/04** ( 2006.01 )  
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**(31)** 62/545,239 **(32)** 14.08.17 **(33)** US  
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 neth S.; ABDELGHANI, Sameh Mohamed  
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**(74)** Pizeys Patent and Trade Mark Attor-  
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**(11)** AU-A-2018331479  
**(21)** 2018331479 **(22)** 14.09.2018  
**(54)** Delignified wood materials, and methods  
 for fabricating and use thereof  
**(51)** Int. Cl.  
**B27K 1/00** ( 2006.01 )  
**B27K 5/00** ( 2006.01 )  
**(87)** WO2019/055789  
**(31)** 62/725,810 **(32)** 31.08.18 **(33)** US  
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 CHEN, Chaoji; SONG, Jianwei  
**(74)** Phillips Ormonde Fitzpatrick
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**(21)** 2018335788 **(22)** 21.09.2018  
**(54)** Methods and compositions for the treatment  
 of epidermolysis bullosa  
**(51)** Int. Cl.  
**C07K 14/78** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 35/28** ( 2015.01 )
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**(31)** 15/712,294 **(32)** 22.09.17 **(33)** US  
**(43)** 28.03.2019  
**(72)** BADI AVAS, Evangelos V.  
**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2018332152  
**(21)** 2018332152 **(22)** 18.09.2018  
**(54)** Robotic arm  
**(51)** Int. Cl.  
**B25J 9/16** ( 2006.01 )  
**B25J 19/06** ( 2006.01 )  
**(87)** WO2019/053474  
**(31)** 1715005.3 **(32)** 18.09.17 **(33)** GB  
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 1715007.9 18.09.17 GB  
**(43)** 21.03.2019  
**(72)** STOELEN, Martin  
**(74)** Wynnes Patent and Trade Mark Attor-  
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**(11)** AU-A-2018317387  
**(21)** 2018317387 **(22)** 14.08.2018  
**(54)** Acoustically transparent sandable coating  
**(51)** Int. Cl.  
**C09D 5/02** ( 2006.01 )  
**C09D 5/04** ( 2006.01 )  
**C09D 7/40** ( 2018.01 )  
**E04B 1/84** ( 2006.01 )  
**E04B 9/00** ( 2006.01 )  
**E04B 9/04** ( 2006.01 )  
**(87)** WO2019/036434  
**(31)** 15/677,345 **(32)** 15.08.17 **(33)** US  
**(43)** 21.02.2019  
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 Peder J.; BURY, Rafael  
**(74)** James & Wells Intellectual Property
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**(11)** AU-A-2018335272  
**(21)** 2018335272 **(22)** 19.09.2018  
**(54)** Methods of improving stress tolerance,  
 growth and yield in plants  
**(51)** Int. Cl.  
**A01C 1/06** ( 2006.01 )  
**A01G 7/06** ( 2006.01 )  
**A01H 17/00** ( 2006.01 )  
**(87)** WO2019/060344  
**(31)** 62/561,292 **(32)** 21.09.17 **(33)** US  
 62/591,379 28.11.17 US  
**(43)** 28.03.2019  
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 WOOLARD, Derek D.  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2018327338  
**(21)** 2018327338 **(22)** 07.09.2018  
**(54)** Bifurcated cannula device  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**A61M 16/08** ( 2006.01 )

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A61M 16/10 ( 2006.01 )  
A61M 16/14 ( 2006.01 )  
A61M 16/16 ( 2006.01 )
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(31) 62/555,945 (32) 08.09.17 (33) US  
(43) 14.03.2019  
(72) BODWELL, Jesse  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2018342988  
(21) 2018342988 (22) 28.09.2018  
(54) Means and methods for single molecule peptide sequencing  
(51) Int. Cl.  
C12N 9/64 ( 2006.01 )
- (87) WO2019/063827  
(31) 1715684.5 (32) 28.09.17 (33) GB  
(43) 04.04.2019  
(72) CALLEWAERT, Nico; EYCKERMAN, Sven; DEVOS, Simon  
(74) Davies Collison Cave Pty Ltd
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- (71) VoiceAge Corporation  
(11) AU-A-2018337086  
(21) 2018337086 (22) 20.09.2018  
(54) Method and device for allocating a bit-budget between sub-frames in a CELP codec  
(51) Int. Cl.  
G10L 19/12 ( 2013.01 )  
G01L 13/02 ( 2006.01 )  
G10L 19/038 ( 2013.01 )  
G10L 19/24 ( 2013.01 )  
G10L 19/26 ( 2013.01 )
- (87) WO2019/056107  
(31) 62/560,724 (32) 20.09.17 (33) US  
(43) 28.03.2019  
(72) EKSLER, Vaclav  
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- (71) VoiceAge Corporation  
(11) AU-A-2018338424  
(21) 2018338424 (22) 20.09.2018  
(54) Method and device for efficiently distributing a bit-budget in a CELP codec  
(51) Int. Cl.  
G10L 19/12 ( 2013.01 )  
G10L 19/038 ( 2013.01 )  
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<b>2018322836</b>	Gerrard, R.; Gerrard, M.	<b>2018327983</b>	Apple Inc.
<b>2018322883</b>	Antelope DX bv	<b>2018328011</b>	Inari Medical, Inc.
<b>2018322996</b>	8 Rivers Capital, LLC	<b>2018328035</b>	Merck Sharp & Dohme Corp.; Porambo, R.; Abeygunawardana, C.; Musey, L.; Kosinski, M.; Cui, Y.
<b>2018323051</b>	Circular Resources (Ip) Pte Limited	<b>2018328036</b>	Merck Sharp & Dohme Corp.
<b>2018323052</b>	ZST Holdings, Inc.	<b>2018328037</b>	Merck Sharp & Dohme Corp.
<b>2018323053</b>	Beijing Xuanyi Pharmasciences Co., Ltd	<b>2018328038</b>	Merck Sharp & Dohme Corp.
<b>2018323097</b>	Sustainio Ltd.	<b>2018328040</b>	Merck Sharp & Dohme Corp.
<b>2018323281</b>	Tosoh Corporation	<b>2018328072</b>	Rabhi, V.
<b>2018323422</b>	Nissin Electric Co., Ltd.	<b>2018328094</b>	Hubbell Incorporated
<b>2018323455</b>	Altor Bioscience LLC	<b>2018328098</b>	Covidien LP
<b>2018323470</b>	Angiex, Inc.	<b>2018328112</b>	Airway Therapeutics, LLC
<b>2018323471</b>	Zimmer Biomet Spine, Inc.	<b>2018328120</b>	Regeneron Pharmaceuticals, Inc.
<b>2018323503</b>	KM Biologics Co., Ltd.	<b>2018328124</b>	ShelterZoom
<b>2018323836</b>	The NOCO Company	<b>2018328134</b>	NantCell, Inc.
<b>2018323861</b>	Rhodes Technologies	<b>2018328192</b>	Linde Engineering North America, Inc.
<b>2018323955</b>	Phanes Therapeutics, Inc.	<b>2018328233</b>	Sato Holdings Kabushiki Kaisha
<b>2018324017</b>	Zimmer Biomet Spine, Inc.	<b>2018328289</b>	Combined Therapeutics, Inc.
<b>2018324045</b>	Sami Labs Limited	<b>2018328465</b>	New Portal Limited
<b>2018324110</b>	Ranpak Corp.	<b>2018328574</b>	Nokia Shanghai Bell Co., Ltd.
<b>2018324180</b>	Lonza Walkersville, Inc.; Lonza Cologne GmbH; Octane Biotech Inc.	<b>2018328819</b>	Life Technologies Corporation
<b>2018324397</b>	Omniceil, Inc.	<b>2018328888</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
<b>2018324422</b>	Instrumentation Laboratory Company	<b>2018329152</b>	BioNTech SE
<b>2018324525</b>	UATC, LLC	<b>2018329173</b>	President and Fellows of Harvard College; BASF SE
<b>2018324555</b>	Hexion Inc.	<b>2018329177</b>	President and Fellows of Harvard College; BASF SE
<b>2018324642</b>	Daikin Industries, Ltd.	<b>2018329182</b>	Atossa Therapeutics, Inc.



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2018329202	Atossa Therapeutics, Inc.	2018332808	Colgate-Palmolive Company
2018329224	Absolute Software Corporation	2018332832	Bedford Systems LLC
2018329225	Whitmore, D.	2018332955	Unilever PLC
2018329232	InMed Pharmaceuticals Inc.	2018333033	Oxular Limited
2018329237	IMBiotechnologies Ltd.	2018333034	Oxular Limited
2018329306	Hitachi Construction Machinery Co., Ltd.	2018333280	Australian Nuclear Science and Technology Organisation;
2018329314	Daikin Industries, Ltd.		University of Wollongong
2018329410	Equinor Energy AS	2018333282	Zelda Therapeutics Operations Pty Ltd
2018329439	Becton, Dickinson and Company	2018333537	Guangzhou Xaircraft Technology Co., Ltd
2018329459	SharkNinja Operating LLC	2018333845	Jenner Innovation Pty Ltd
2018329473	Becton, Dickinson and Company	2018333927	Stojanovski, J.
2018329484	Becton, Dickinson and Company	2018333966	Trustees of Boston University
2018329492	Siemens Industry, Inc.	2018334105	The Secretary of State for Defence
2018329496	pHase Pharmaceuticals LLC	2018334143	Bayer Healthcare LLC
2018329551	Rea Innovations, Inc.	2018334159	Smiths Medical ASD, Inc.
2018329670	Avery Dennison Corporation	2018334373	Key Technology, Inc.
2018329741	Poseida Therapeutics, Inc.	2018334389	Raytheon Company
2018329835	Dippin' Dots, L.L.C.	2018334452	Qualcomm Incorporated
2018329840	Augusta University Research Institute, Inc.	2018334513	E. I. du Pont de Nemours and Company
2018329846	LanzaTech, Inc.	2018334514	E. I. du Pont de Nemours and Company
2018329852	Bongiovi Acoustics LLC	2018334597	CLO2 Lab Inc.
2018329871	Monash University	2018334967	Linde Aktiengesellschaft
2018329882	Otsuka Pharmaceutical Factory, Inc.	2018335130	Ardelyx, Inc.
2018329937	Dragonfly Therapeutics, Inc.	2018335231	F. Hoffmann-La Roche AG
2018329970	Mayerle, D.	2018335272	Valent BioSciences LLC
2018330041	Covidien LP	2018335356	AIT Austrian Institute of Technology GmbH; INDAT Mod-
2018330053	Citrix Systems, Inc.		ellbau Werkzeugbau Formenbau GmbH
2018330078	MTD Products Inc	2018335539	3M Innovative Properties Company
2018330180	Augusta University Research Institute, Inc.	2018335591	Saipem S.p.A.
2018330197	The Board of Trustees of the Leland Stanford Junior Uni-	2018335768	Henkel IP & Holding GmbH
	versity; Intima Bioscience, Inc.	2018335788	University of Miami
2018330243	Karlsruher Institut für Technologie	2018335790	Chart Energy & Chemicals, Inc.
2018330295	Dormakaba USA Inc.	2018336520	WuXi Biologics Ireland Limited
2018330314	Atossa Therapeutics, Inc.	2018336656	Universität Basel
2018330322	Evelo Biosciences, Inc.	2018336728	Ball Corporation
2018330323	Evelo Biosciences, Inc.	2018337086	VoiceAge Corporation
2018330325	Lightning Source LLC	2018337095	Lee, S.; Li, C.
2018330326	Lightning Source LLC	2018337493	Tillotts Pharma AG
2018330415	Nant Holdings IP, LLC	2018337672	Deutsches Krebsforschungszentrum
2018330433	Covidien LP	2018337686	Merck Patent GmbH
2018330458	Regeneron Pharmaceuticals, Inc.	2018337813	Ball Corporation
2018330492	4SC AG	2018337831	Savage Equipment Incorporated
2018330613	Universitat Politècnica De Valencia; Consorcio Centro de In-	2018337854	The Regents of The University of Colorado, a body corpor-
	vestigacion Biomedica en Red, M.P.; Instituto De Investiga-		ate; Murdoch University; Krishna, H.; Jastrzebska, K.
	cion Sanitaria La Fe-Fundacion Para La Investigacion Del	2018337905	Deb IP Limited
	Hospital Universitario Y Politecnico La Fe De La Comunid-	2018338092	Sinopsys Surgical, Inc.
	ad Valenciana; Universitat Rovira I Virgili	2018338182	Henkel IP & Holding GmbH
2018330694	Riken; Sumitomo Dainippon Pharma Co., Ltd.	2018338222	Magic Leap, Inc.
2018330718	Roquette Freres	2018338249	Nippon Telegraph and Telephone Corporation
2018330901	Uber Technologies, Inc..	2018338424	VoiceAge Corporation
2018330941	Ishida Co., Ltd.	2018338979	LanzaTech, Inc.
2018331011	GD Midea Air-Conditioning Equipment Co., Ltd.	2018339088	Medtronic Navigation, Inc.
2018331216	Schaltegger Projektplanungen	2018339213	Fugro Technology B.V.
2018331264	Motorola Solutions, Inc.	2018339447	Waymo LLC
2018331268	Illinois Tool Works Inc.	2018340218	Siemens Mobility GmbH
2018331324	Colgate-Palmolive Company	2018340225	Inventio AG
2018331325	Colgate-Palmolive Company	2018340246	Inventio AG
2018331326	Ovid Therapeutics Inc.	2018340299	Bayer Aktiengesellschaft
2018331418	Cellphire, Inc.	2018340324	Smith & Nephew plc
2018331430	Radimmune Therapeutics, Inc.	2018340505	Pragma Therapeutics
2018331479	University of Maryland, College Park	2018340866	Curtin University
2018331482	Energizer Brands, LLC	2018340871	Weiss Nominees Pty Ltd
2018331922	Oki, H.; Murata, Y.; Tanaka, A.; Ogura, H.	2018340945	JX Nippon Mining & Metals Corporation
2018331954	Smith & Nephew plc	2018341030	Microbiosensor Limited
2018331956	Smith & Nephew plc	2018341708	Citrix Systems, Inc.
2018332046	Abivax	2018341840	Raytheon Company
2018332152	University of Plymouth	2018341930	Bardex Corporation
2018332470	LG CHEM, LTD.; Farmhannong Co., Ltd	2018342100	Ecolab USA Inc.
2018332471	LG Chem, Ltd.; FarmHannong Co., Ltd.	2018342752	Kumwenda, M.
2018332509	Entocycle LTD	2018342988	VIB vzw; Universiteit Gent
2018332516	Uber Technologies, Inc..	2018343395	Nippon Steel Nisshin Co., Ltd.
2018332646	Nostopharma, LLC	2018343769	Nichiha Corporation

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<b>2018344010</b>	Lohr Industrie	<b>2019219831</b>	Beijing Goldwind Science & Creation Windpower Equip- ment Co., Ltd.
<b>2018344310</b>	Lenzing Aktiengesellschaft	<b>2019219844</b>	Rockline Industries
<b>2018344311</b>	Inventio AG	<b>2019226144</b>	China University of Mining and Technology
<b>2018344416</b>	Covagen AG	<b>2019246073</b>	Komatsu Ltd.
<b>2018345331</b>	Qualcomm Incorporated	<b>2019246074</b>	Komatsu Ltd.
<b>2018345404</b>	Billie, Inc.	<b>2019246095</b>	Komatsu Ltd.
<b>2018345540</b>	Qualcomm Incorporated	<b>2019246099</b>	Komatsu Ltd.
<b>2018345626</b>	Command Alkon Incorporated	<b>2019246100</b>	Komatsu Ltd.
<b>2018345652</b>	CritiTech, Inc.	<b>2019261598</b>	Allergan, Inc.
<b>2018345741</b>	Qualcomm Incorporated	<b>2019261733</b>	Dongshin Polymer Co., Ltd.; Shinko Kasei Co., Ltd.
<b>2018346165</b>	Citrix Systems, Inc.	<b>2019268155</b>	Channell Commercial Corporation
<b>2018346331</b>	Dana-Farber Cancer Institute, Inc.; The Brigham and Women's Hospital, Inc.	<b>2019272250</b>	RemeGen, Ltd.
<b>2018346447</b>	Innate Pharma	<b>2019298881</b>	Hock, D.
<b>2018346531</b>	LanzaTech, Inc.	<b>2019302855</b>	Qingdao Haier Co., Ltd.
<b>2018346604</b>	Medtronic Xomed, Inc.	<b>2019303430</b>	Nanjing Wasin Fujikura Optical Communication Ltd.
<b>2018346929</b>	DePuy Synthes Products, Inc.		
<b>2018348161</b>	Array BioPharma Inc.		
<b>2018348397</b>	Dentsply DeTrey GmbH		
<b>2018348667</b>	Dentsply DeTrey GmbH		
<b>2018349085</b>	Mondofix Inc.		
<b>2018349285</b>	Stryker Global Technology Center Pvt. Ltd.		
<b>2018350159</b>	Creo Medical Limited		
<b>2018350446</b>	Idemitsu Kosan Co., Ltd.		
<b>2018350886</b>	Regeneron Pharmaceuticals, Inc.		
<b>2018350890</b>	Regeneron Pharmaceuticals, Inc.		
<b>2018351051</b>	LifeCell Corporation		
<b>2018351314</b>	LifeCell Corporation		
<b>2018351778</b>	SWISS KRONO Tec AG		
<b>2018351820</b>	Raytheon Company		
<b>2018352135</b>	Ethicon, Inc.		
<b>2018352212</b>	Ethicon, Inc.		
<b>2018352297</b>	Promat Australia Pty Ltd		
<b>2018352308</b>	Eisai R&D Management Co., Ltd.; UCL Business PLC		
<b>2018353268</b>	Qompium		
<b>2018353633</b>	Hitachi, Ltd.; Hitachi Rail STS S.p.A.		
<b>2018353932</b>	Central South University		
<b>2018354348</b>	DePuy Synthes Products, Inc.		
<b>2018355090</b>	MasterCard International Incorporated		
<b>2018355824</b>	Tau Tech AS		
<b>2018356268</b>	Societe des Produits Nestle S.A.		
<b>2018356583</b>	Puratos		
<b>2018357332</b>	Alcon Inc.		
<b>2018357379</b>	Sony Corporation		
<b>2018357775</b>	Boehringer Ingelheim International GmbH		
<b>2018357932</b>	Ionis Pharmaceuticals, Inc.		
<b>2018358725</b>	W.L. Gore & Associates, Inc.		
<b>2018359015</b>	Indec. Pty. Ltd.		
<b>2018359500</b>	CeMM - Forschungszentrum fur Molekulare Medizin GmbH		
<b>2018359553</b>	MTD Products Inc		
<b>2018360361</b>	Alcon Inc.		
<b>2018360812</b>	Crown Equipment Corporation		
<b>2018362084</b>	Northrop Grumman Systems Corporation		
<b>2018368009</b>	Sony Corporation		
<b>2018368541</b>	Innate Pharma		
<b>2018369039</b>	Fresenius Medical Care Holdings, Inc.		
<b>2018370379</b>	Dehlsen Associates of the Pacific Limited		
<b>2018371813</b>	Kingfa Sci. & Tech. Co., Ltd.; Zhuhai Wango Chemical Co., Ltd.		
<b>2018372708</b>	Maxwell Technologies, Inc.		
<b>2018373502</b>	Sidloski, R.		
<b>2018373975</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.		
<b>2018376559</b>	Ascough, T.; Ascough, S.		
<b>2018379644</b>	Howard Foundation Holdings Ltd		
<b>2018386841</b>	Thiele GmbH & Co. KG		
<b>2018389229</b>	Rady, M.		
<b>2018392818</b>	Ipsen Biopharm Limited		
<b>2018396328</b>	Mayekawa MFG. Co., Ltd.		
<b>2018398537</b>	Mayekawa MFG. Co., Ltd.		
<b>2018405685</b>	Komatsu Ltd.		
<b>2018408963</b>	Mayekawa MFG. Co., Ltd.		
<b>2018410014</b>	Enaex S.A.		

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<b><u>A01B 59 /-</u></b>	<b><u>A01K 80 /-</u></b>	2018325047	<b><u>A47J 36 /-</u></b>	2018329237	<b><u>A61G 7 /-</u></b>
2018311534	2018355824	<b><u>A23F 3 /-</u></b>	2018326483	2018329473	2018326475
<b><u>A01C 1 /-</u></b>	<b><u>A01N 25 /-</u></b>	2018332955	<b><u>A47J 37 /-</u></b>	2018332808	2018349285
2018325456	2018309093	<b><u>A23L 11 /-</u></b>	2018326483	2018337905	
2018335272	2018342100	2018330718	<b><u>A47J 43 /-</u></b>	2018340324	<b><u>A61J 1 /-</u></b>
2018335356	<b><u>A01N 37 /-</u></b>	<b><u>A23L 27 /-</u></b>	2018326483	2018346604	2018324397
<b><u>A01C 21 /-</u></b>	2018342100	2018330718	<b><u>A47L 13 /-</u></b>	2018349285	2018334143
2018325456	<b><u>A01N 41 /-</u></b>	<b><u>A23L 29 /-</u></b>	2018309306	2018353268	<b><u>A61J 7 /-</u></b>
<b><u>A01C 7 /-</u></b>	2018342100	2018327614	<b><u>A47L 15 /-</u></b>	2018360361	2018324397
2018325456	<b><u>A01N 43 /-</u></b>	2018330718	<b><u>A47L 5 /-</u></b>	<b><u>A61B 50 /-</u></b>	2018334143
<b><u>A01D 34 /-</u></b>	2018322279	<b><u>A23L 3 /-</u></b>	2017437704	2018330041	<b><u>A61J 7 /-</u></b>
2018314618	<b><u>A01N 47 /-</u></b>	2018318217	<b><u>A47L 9 /-</u></b>	2018314780	<b><u>A61K 31 /-</u></b>
2018359553	2018325894	2018326395	2018326611	2018321893	2017432640
<b><u>A01D 41 /-</u></b>	<b><u>A01N 57 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A61B 17 /-</u></b>	2018334143	2018309245
2018329970	2018309093	2018327188	2018326611	<b><u>A61B 6 /-</u></b>	2018309342
<b><u>A01D 75 /-</u></b>	<b><u>A01N 59 /-</u></b>	2018327614	2018329459	2018314780	2018312326
2018329970	<b><u>A01P 1 /-</u></b>	2018330718	<b><u>A61B 19 /-</u></b>	2018329852	2018312328
<b><u>A01F 12 /-</u></b>	2018342100	<b><u>A42B 3 /-</u></b>	2017429385	2018318123	2018312680
2018329970	<b><u>A01P 13 /-</u></b>	<b><u>A43B 7 /-</u></b>	2018273547	2018313164	2018314236
<b><u>A01G 13 /-</u></b>	2018325894	2018308937	2018310913	2018329237	2018314780
2018373502	<b><u>A01P 27 /-</u></b>	<b><u>A44C 5 /-</u></b>	2018323471	2018329852	2018315094
<b><u>A01G 27 /-</u></b>	2018312539	2018368009	2018324017	2018332808	2018317836
2018312539	<b><u>A21D 10 /-</u></b>	<b><u>A45D 27 /-</u></b>	2018327353	<b><u>A61B 7 /-</u></b>	2018318123
<b><u>A01G 31 /-</u></b>	2018356583	2018345404	2018330041	2018329852	2018318125
2018312539	<b><u>A21D 13 /-</u></b>	<b><u>A46B 3 /-</u></b>	2018330433	<b><u>A61B 90 /-</u></b>	2018321950
<b><u>A01G 7 /-</u></b>	2018356583	2018331324	2018346929	2018310913	2018322279
2018335272	<b><u>A21D 2 /-</u></b>	<b><u>A46B 7 /-</u></b>	2018352135	2018323471	2018322386
<b><u>A01G 9 /-</u></b>	2018356583	2018331324	2018352212	2018330041	2018322756
2018312539	<b><u>A22C 17 /-</u></b>	<b><u>A46B 9 /-</u></b>	2018354348	<b><u>A61C 19 /-</u></b>	2018323053
<b><u>A01H 17 /-</u></b>	2018396328	2018331325	<b><u>A61B 18 /-</u></b>	2018323052	2018323861
2018398537	<b><u>A22C 21 /-</u></b>	<b><u>A46D 1 /-</u></b>	2018350159	<b><u>A61C 5 /-</u></b>	2018325148
2018408963	2018398537	2018331325	2018354348	2017432221	2018325819
<b><u>A01H 5 /-</u></b>	2018408963	<b><u>A47B 53 /-</u></b>	<b><u>A61B 3 /-</u></b>	2018332808	2018326396
2018309093	<b><u>A23B 7 /-</u></b>	2018313316	2018330041	<b><u>A61D 7 /-</u></b>	2018326596
<b><u>A01J 11 /-</u></b>	2018326395	<b><u>A47B 55 /-</u></b>	2018330433	2018313193	2018326734
2018329835	<b><u>A23C 11 /-</u></b>	2018313316	<b><u>A61B 34 /-</u></b>	<b><u>A61D 19 /-</u></b>	2018327188
<b><u>A01K 67 /-</u></b>	2017435111	<b><u>A47J 31 /-</u></b>	2018357332	2018323052	2018327414
2018315764		2018312815	2018360361	<b><u>A61D 5 /-</u></b>	2018327614
2018330180			<b><u>A61B 46 /-</u></b>	2018334143	2018327688
2018332509			2018330433	<b><u>A61F 13 /-</u></b>	2018328035
			<b><u>A61B 5 /-</u></b>	2018328036	2018328037
			2018309358	2018328038	2018328038
			2018312961	2018331956	2018328134
			2018322732	2018340324	2018328289
			2018326475	<b><u>A61F 2 /-</u></b>	2018329152
				2018327353	2018329182
				<b><u>A61F 5 /-</u></b>	2018329202
				2018308937	2018329232
				<b><u>A61F 9 /-</u></b>	2018329496
				2018333033	2018329840
				2018333034	2018330314
				2018338092	2018330492
				<b><u>A61G 5 /-</u></b>	2018331326
				2018326475	2018332046
					2018332646
					2018333034
					2018333282
					2018335130
					2018337854
					2018340505
					2018345652

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2018348161	<b><u>A61K 45 /-</u></b>	2018337493	<b><u>A61N 1 /-</u></b>	2018328465	<b><u>A63H 33 /-</u></b>
2018357775		2018345652		2018329152	
2018357932	2018313111	2019261598	2018309630	2018329202	2018333845
2018368541	2018314236		2018326833	2018330180	
2018379644	2018315094	<b><u>A61L 2 /-</u></b>	2018346604	2018330492	<b><u>B01D 15 /-</u></b>
2019261598	2018318125			2018332046	
	2018322386	2018342100	<b><u>A61N 5 /-</u></b>	2018336520	2018326289
<b><u>A61K 33 /-</u></b>	2018326878			2018345652	2018350886
	2018327940	<b><u>A61L 27 /-</u></b>	2018329237	2018348161	<b><u>B01D 17 /-</u></b>
2018327614	2018332646		2018333280	2018368541	
2018328134		2018330694		2019272250	2017443673
2018332646	<b><u>A61K 47 /-</u></b>	2018351051	<b><u>A61P 1 /-</u></b>		2018335591
		2018351314		<b><u>A61P 37 /-</u></b>	<b><u>B01D 19 /-</u></b>
<b><u>A61K 35 /-</u></b>	2018321157	2018358725	2018308978		
	2018327940		2018315094	2018327688	<b><u>B01D 19 /-</u></b>
2018306930	2018328134	<b><u>A61L 9 /-</u></b>		2018333966	2018369039
2018309153	2018329182		<b><u>A61P 11 /-</u></b>	<b><u>A61P 43 /-</u></b>	<b><u>B01D 25 /-</u></b>
2018330322	2018329496	2018334597			
2018330323	2018333033		2018357775	2018312680	<b><u>B01D 25 /-</u></b>
2018330694	2018333034	<b><u>A61M 1 /-</u></b>		2018327188	2017428404
2018331418	2019272250		<b><u>A61P 13 /-</u></b>		2017428887
2018335788		2018331954		<b><u>A61P 5 /-</u></b>	2017428889
	<b><u>A61K 48 /-</u></b>	2018331956	2018312680		<b><u>B01D 53 /-</u></b>
<b><u>A61K 36 /-</u></b>		2018340324	2018315094	2018315094	
	2018326582	2018369039		2018335130	2018315641
2018309342	2018328289	<b><u>A61M 11 /-</u></b>	<b><u>A61P 17 /-</u></b>	<b><u>A61P 7 /-</u></b>	<b><u>B01F 15 /-</u></b>
2018315055	2018328465				
2018333282		2018327338	2018309342	2018331418	2018312570
	<b><u>A61K 49 /-</u></b>		2018315055	2018333966	
<b><u>A61K 38 /-</u></b>		<b><u>A61M 16 /-</u></b>	<b><u>A61P 21 /-</u></b>		2018312570
	2018321893			<b><u>A61P 9 /-</u></b>	2018325460
2018310983	2018329237	2018327338	2018327188		<b><u>B01F 5 /-</u></b>
2018317810			2018392818	2018313164	2018312570
2018318982	<b><u>A61K 51 /-</u></b>	<b><u>A61M 25 /-</u></b>		2018315094	2018325460
2018321157			<b><u>A61P 25 /-</u></b>	2018326396	<b><u>B01J 19 /-</u></b>
2018323455	2018331430	2018329439		2018329237	2018325460
2018327940		2018329473	2018310983	2018357932	
2018328112	<b><u>A61K 6 /-</u></b>	2018329484	2018312328	<b><u>A61Q 1 /-</u></b>	<b><u>B01J 20 /-</u></b>
2018337686			2018315094		2018326289
2018392818	2018327265	<b><u>A61M 31 /-</u></b>	2018326734	2018329551	
2019272250	2018348397		2018333282		<b><u>B01J 3 /-</u></b>
	2018348667	2018333033	2018340505	<b><u>A61Q 11 /-</u></b>	2018326282
<b><u>A61K 39 /-</u></b>	<b><u>A61K 8 /-</u></b>	2018333034	2018352308		<b><u>B01J 7 /-</u></b>
			2018379644	2018322279	2018323051
2018318125	2018309342	<b><u>A61M 35 /-</u></b>	<b><u>A61P 27 /-</u></b>		<b><u>B01J 8 /-</u></b>
2018318982	2018315055			<b><u>A62B 35 /-</u></b>	2018330243
2018322386	2018322279	2018333033			<b><u>B02B 3 /-</u></b>
2018323470	2018324045	2018333034	2018330694	<b><u>A62C 2 /-</u></b>	2018337831
2018323503	2018328819	<b><u>A61M 37 /-</u></b>	2019261598		<b><u>B05B 7 /-</u></b>
2018323955	2018329551			2018352297	2018325460
2018326878	2018342100	2018311234	<b><u>A61P 29 /-</u></b>		<b><u>B05C 5 /-</u></b>
2018327688		2018312961		<b><u>A63B 23 /-</u></b>	2018313193
2018328035	<b><u>A61K 9 /-</u></b>	<b><u>A61M 39 /-</u></b>	2018333966		<b><u>B07B 4 /-</u></b>
2018328036				<b><u>A62B 35 /-</u></b>	2018337831
2018328037	2017432640	2018327342	<b><u>A61P 3 /-</u></b>		<b><u>B05B 7 /-</u></b>
2018328038	2018306411	2018328011		2018335539	2018325460
2018328040	2018311234	2018329484	2018308978		<b><u>B05C 5 /-</u></b>
2018328134	2018312961	2018334143	2018312326	<b><u>A62C 2 /-</u></b>	2018337831
2018330322	2018321157		2018315094		<b><u>B07B 9 /-</u></b>
2018332646	2018322279	<b><u>A61M 5 /-</u></b>	2018326396		
2018333966	2018322756			<b><u>A61P 31 /-</u></b>	
2018336520	2018323861	2018313879			
2018337493	2018325148	2018316355	<b><u>A61P 29 /-</u></b>	<b><u>A63B 24 /-</u></b>	
2018337686	2018326596	2018327342			2018327306
2018345652	2018329182	2018333033	2018333966	<b><u>A63B 23 /-</u></b>	
2018346447	2018329237	2018333034			2018327306
2018352308	2018329496	2018333537	<b><u>A61P 35 /-</u></b>	<b><u>A63B 24 /-</u></b>	
2018368541	2018330314	2018334143			2018327306
	2018331418	2018334159	2018306411	<b><u>A63B 71 /-</u></b>	
<b><u>A61K 41 /-</u></b>	2018332646	2018369039	2018317836		2018337831
	2018333033		2018318125		<b><u>B07B 9 /-</u></b>
2018329237	2018333034		2018325819	2018307936	2018337831
	2018335788		2018327414		
			2018328134		

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<b><u>B08B 17 /-</u></b>	<b><u>B27K 5 /-</u></b>	<b><u>B32B 5 /-</u></b>	<b><u>B60R 19 /-</u></b>	<b><u>B65B 3 /-</u></b>	<b><u>B65G 47 /-</u></b>
2018310543	2018331479	2018329173 2018329177	2018329459	2018334143	2018330326
<b><u>B21D 11 /-</u></b>	<b><u>B27N 1 /-</u></b>	<b><u>B32B 9 /-</u></b>	<b><u>B61B 1 /-</u></b>	<b><u>B65B 5 /-</u></b>	<b><u>B65H 16 /-</u></b>
2018315775	2018351778	2018343769	2017431376	2018334143	2018324110
<b><u>B21D 7 /-</u></b>	<b><u>B27N 3 /-</u></b>	<b><u>B33Y 10 /-</u></b>	<b><u>B61B 13 /-</u></b>	<b><u>B65B 57 /-</u></b>	<b><u>B66B 19 /-</u></b>
2018315775	2018351778	2018316836	2017431376	2018330941 2018334143	2018340225 2018340246 2018344311
<b><u>B22F 9 /-</u></b>	<b><u>B27N 9 /-</u></b>	<b><u>B41J 2 /-</u></b>	<b><u>B61D 19 /-</u></b>	<b><u>B65B 7 /-</u></b>	<b><u>B66D 1 /-</u></b>
2018325460	2018351778	2018336728 2018337813	2017431376	2018334143	2018341930
<b><u>B23B 47 /-</u></b>	<b><u>B28B 1 /-</u></b>	<b><u>B41J 3 /-</u></b>	<b><u>B61L 1 /-</u></b>	<b><u>B65B 9 /-</u></b>	<b><u>B66F 9 /-</u></b>
2018354348	2018343769	2018336728 2018337813	2018340218	2018330941	2018360812
<b><u>B23B 49 /-</u></b>	<b><u>B28C 5 /-</u></b>	<b><u>B41M 3 /-</u></b>	<b><u>B61L 27 /-</u></b>	<b><u>B65D 19 /-</u></b>	<b><u>B67D 1 /-</u></b>
2018310913	2018345626	2017430696 2018329173 2018329177	2018340218 2018353633	2018313316	2018316796
<b><u>B23G 5 /-</u></b>	<b><u>B28C 7 /-</u></b>	<b><u>B41M 5 /-</u></b>	<b><u>B61L 5 /-</u></b>	<b><u>B65D 25 /-</u></b>	<b><u>B81B 1 /-</u></b>
2018311800	2018345626	2018329670	2018340218	2018325278 2018332832	2018312570 2018359015
<b><u>B23K 37 /-</u></b>	<b><u>B29B 7 /-</u></b>	<b><u>B42C 1 /-</u></b>	<b><u>B62D 55 /-</u></b>	<b><u>B65D 5 /-</u></b>	<b><u>C01B 11 /-</u></b>
2018326282	2018324555	2018330325	2018330078	2018332832	2018334597
<b><u>B23K 9 /-</u></b>	<b><u>B29B 9 /-</u></b>	<b><u>B42C 13 /-</u></b>	<b><u>B62D 9 /-</u></b>	<b><u>B65D 77 /-</u></b>	<b><u>C01B 25 /-</u></b>
2018326282	2018329177	2018330325	2018340871	2018331922 2018332832	2018326844
<b><u>B25B 13 /-</u></b>	<b><u>B29C 31 /-</u></b>	<b><u>B42C 15 /-</u></b>	<b><u>B62K 5 /-</u></b>	<b><u>B65D 79 /-</u></b>	<b><u>C01B 3 /-</u></b>
2018311800	2018324555	2018330325	2018340871	2018332832	2018330243
<b><u>B25G 3 /-</u></b>	<b><u>B29C 35 /-</u></b>	<b><u>B42C 19 /-</u></b>	<b><u>B63B 21 /-</u></b>	<b><u>B65D 81 /-</u></b>	<b><u>C01B 32 /-</u></b>
2018311800	2018349085	2018330325	2018329410 2018341930	2018331922	2018322139 2018330243
<b><u>B25H 3 /-</u></b>	<b><u>B29C 43 /-</u></b>	<b><u>B42C 9 /-</u></b>	<b><u>B63B 7 /-</u></b>	<b><u>B65D 83 /-</u></b>	<b><u>C01G 53 /-</u></b>
2018313316	2018356268	2018330325	2018326424	2018324397	2018372708
<b><u>B25J 19 /-</u></b>	<b><u>B29C 45 /-</u></b>	<b><u>B60B 3 /-</u></b>	<b><u>B63G 8 /-</u></b>	<b><u>B65D 85 /-</u></b>	<b><u>C02F 1 /-</u></b>
2018332152	2018356268	2018345626	2018326424	2018356268	2017443981 2018325460 2018326289 2018335591 2018370379
<b><u>B25J 9 /-</u></b>	<b><u>B29C 70 /-</u></b>	<b><u>B60D 1 /-</u></b>	<b><u>B64C 39 /-</u></b>	<b><u>B65D 88 /-</u></b>	<b><u>C02F 101 /-</u></b>
2018332152	2018356268	2018311534	2017426557 2018308963 2018312625 2018322758 2018325539	2018331922	2018335591
<b><u>B26B 19 /-</u></b>	<b><u>B29D 11 /-</u></b>	<b><u>B60G 21 /-</u></b>	<b><u>B64D 1 /-</u></b>	<b><u>B65F 1 /-</u></b>	<b><u>C04B 14 /-</u></b>
2018345404	2017430696 2018327774	2018340871	2018325456	2018305776	2018343769
<b><u>B26D 1 /-</u></b>	<b><u>B29L 31 /-</u></b>	<b><u>B60G 3 /-</u></b>	<b><u>B64D 47 /-</u></b>	<b><u>B65G 1 /-</u></b>	<b><u>C04B 16 /-</u></b>
2018398537	2018356268	2018340871	2018334389	2018313316	2018343769
<b><u>B26D 3 /-</u></b>	<b><u>B31D 5 /-</u></b>	<b><u>B60L 1 /-</u></b>	<b><u>B64G 1 /-</u></b>	<b><u>B65G 17 /-</u></b>	<b><u>C04B 18 /-</u></b>
2018398537	2018324110	2018322693	2018334389	2018341930	2018343769
<b><u>B26D 7 /-</u></b>	<b><u>B32B 37 /-</u></b>	<b><u>B60P 3 /-</u></b>		<b><u>B65G 19 /-</u></b>	
2018398537	2018319331			2018386841	
<b><u>B27K 1 /-</u></b>					
2018331479		2018344010			2018343769

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<b><u>C04B 20 /-</u></b>		<b><u>C07D 491 /-</u></b>	<b><u>C07K 17 /-</u></b>	<b><u>C09D 7 /-</u></b>	2018328289
2018343769	<b><u>C07D 215 /-</u></b>	2018317865	2018310983	2018317387	2018328465
	2018325445				2018329232
<b><u>C04B 28 /-</u></b>	<b><u>C07D 249 /-</u></b>	<b><u>C07D 495 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C09K 17 /-</u></b>	2018329741
2018343769	2018325894	2018309245	2018323470	2018331216	2018330197
					2018331430
<b><u>C04B 40 /-</u></b>	<b><u>C07D 257 /-</u></b>	<b><u>C07D 498 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C09K 8 /-</u></b>	2018336520
2018345626	2018326396	2018312680	2018310983	2017445157	2018337672
		2018326734	2018327940		2018337854
<b><u>C05F 11 /-</u></b>	<b><u>C07D 401 /-</u></b>	<b><u>C07D 513 /-</u></b>	2018346331	<b><u>C10B 47 /-</u></b>	2018338979
2018331216	2018312326		<b><u>C08B 37 /-</u></b>	2018323051	2018346331
	2018312680	2018309265			2018359015
<b><u>C05F 17 /-</u></b>	2018325445	2018326734	2018331216	<b><u>C10B 53 /-</u></b>	2019272250
2018305776	2018325894				
	2018326734	<b><u>C07D 515 /-</u></b>	<b><u>C08G 18 /-</u></b>	2018323051	<b><u>C12N 5 /-</u></b>
<b><u>C05F 9 /-</u></b>	2018329152	2018317836	2018316836		2018306930
2018305776	2018340505		2018335768	<b><u>C10G 2 /-</u></b>	2018308978
		<b><u>C07F 5 /-</u></b>	2018338182	2018330243	2018323503
<b><u>C05G 1 /-</u></b>	<b><u>C07D 403 /-</u></b>	2018312421	<b><u>C08G 59 /-</u></b>	<b><u>C10G 50 /-</u></b>	2018326582
2018331216	2018321567				2018329882
	2018340505	<b><u>C07H 19 /-</u></b>	2018316836	2018350446	2018329937
<b><u>C05G 3 /-</u></b>	<b><u>C07D 405 /-</u></b>	2018313719	2018324555		2018330694
2018332470	2018312326	2018323053	<b><u>C08G 75 /-</u></b>	<b><u>C10G 69 /-</u></b>	2018359500
2018332471	2018312680				
<b><u>C06B 23 /-</u></b>	<b><u>C07D 409 /-</u></b>	<b><u>C07H 21 /-</u></b>	2018316836	2018350446	<b><u>C12N 9 /-</u></b>
2018410014	2018312680	2018323053	<b><u>C08K 3 /-</u></b>		2018318313
		2018357932		<b><u>C10J 3 /-</u></b>	2018318982
<b><u>C06B 33 /-</u></b>	<b><u>C07D 413 /-</u></b>	<b><u>C07J 63 /-</u></b>	2018371813	2018323051	2018320864
2018410014	2018312680		<b><u>C08K 5 /-</u></b>		2018325819
	2018312680	2018335130		<b><u>C10K 3 /-</u></b>	2018329232
<b><u>C06C 9 /-</u></b>	2018325894	<b><u>C07K 14 /-</u></b>	2018371813	2018330197	2018330197
2018410014	2018326734		<b><u>C08L 1 /-</u></b>	2018334513	2018334514
		2018317810		2018342988	2018346447
<b><u>C07C 217 /-</u></b>	<b><u>C07D 417 /-</u></b>	2018323281	<b><u>C08L 71 /-</u></b>	<b><u>C10L 1 /-</u></b>	2018346531
2018329202	2018312326	2018323455	2018372708	2018350446	
	2018312680	2018326875	<b><u>C08L 67 /-</u></b>		<b><u>C12P 13 /-</u></b>
<b><u>C07C 233 /-</u></b>	2018325894	2018328112		<b><u>C10L 3 /-</u></b>	2018329846
2018326396	2018326734	2018330323	2018371813	2018328192	
	2018340505	2018330458	<b><u>C08L 71 /-</u></b>	<b><u>C12M 1 /-</u></b>	<b><u>C12P 17 /-</u></b>
		2018335788			2018329232
<b><u>C07C 237 /-</u></b>	<b><u>C07D 451 /-</u></b>	2018337686	2018371813	2018324180	<b><u>C12P 19 /-</u></b>
2018312328	2018312680	<b><u>C07K 16 /-</u></b>	<b><u>C09B 11 /-</u></b>	2018359015	
		2018311276			2018328035
<b><u>C07C 255 /-</u></b>	<b><u>C07D 471 /-</u></b>	2018316742	<b><u>C09B 15 /-</u></b>	<b><u>C12N 1 /-</u></b>	2018328036
2018326396	2018309245	2018318982			2018328037
	2018314780	2018321893	<b><u>C09B 15 /-</u></b>	2018309153	2018328038
<b><u>C07C 275 /-</u></b>	2018326734	2018323281	2018336656	2018328465	2018334513
2018312328	2018327414	2018323470		2018329232	2018334514
	2018340505	2018323503	<b><u>C09D 151 /-</u></b>	2018330323	
	2018348161	2018323955			<b><u>C12P 21 /-</u></b>
<b><u>C07C 307 /-</u></b>	<b><u>C07D 473 /-</u></b>	2018326878	2018325278	<b><u>C12N 13 /-</u></b>	2018323281
2018312328	2018309245	2018329937			2018323503
		2018330180	<b><u>C09D 175 /-</u></b>	<b><u>C12N 15 /-</u></b>	
<b><u>C07C 333 /-</u></b>	<b><u>C07D 487 /-</u></b>	2018333966			<b><u>C12P 41 /-</u></b>
2018312328	2018309245	2018335231	2018335768	2018278516	2018340299
		2018336520	2018338182	2018308978	
<b><u>C07D 211 /-</u></b>	2018309245	2018344416	<b><u>C09D 5 /-</u></b>	2018315731	<b><u>C12P 5 /-</u></b>
2018312326	2018312680	2018346447		2018320864	2018329846
	2018317865	2018352308	2018317387	2018323455	
	2018326734	2018368541	2018325278	2018323470	<b><u>C12P 7 /-</u></b>
		2019272250		2018323503	
				2018326582	2018329232

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2018329846	<u>D04H 1/-</u>	<u>E04B 9/-</u>		<u>F04C 18/-</u>	<u>F16L 53/-</u>
2018338979			<u>E21B 43/-</u>		
2018340299	2019219844	2017428251		2018310263	2018352297
2018346531		2018317387	2017230721		
	<u>D21C 9/-</u>	2018319030	2017440037	<u>F16B 2/-</u>	<u>F16L 57/-</u>
<u>C12Q 1/-</u>			2017444240		
	2018326427	<u>E04C 2/-</u>	2018317319	2018311534	2018352297
2018313794			2018318061	2018328094	
2018315764	<u>D21H 17/-</u>	2018326732			<u>F16L 59/-</u>
2018321950			<u>E21B 44/-</u>	<u>F16B 25/-</u>	
2018326397	2018326427	<u>E04C 3/-</u>	2018313280	2018331268	2018309536
2018328120					2018309538
2018330458	<u>D21H 21/-</u>	2017428251			2018309540
2018330613		2018319030	<u>E21B 47/-</u>	<u>F16B 35/-</u>	2018309541
2018330694	2018326427				
2018341030	<u>E01B 9/-</u>	<u>E04C 5/-</u>	2017230721	2018331268	<u>F16M 13/-</u>
			2017444240		
<u>C12R 1/-</u>		2017433981	2018313280	<u>F16B 5/-</u>	2018322414
	2017433981				
2018330323	<u>E01F 13/-</u>	<u>E04D 1/-</u>	<u>E21B 7/-</u>	2017433981	<u>F17C 13/-</u>
<u>C22B 11/-</u>	2018322835	2018322414	2018313280	<u>F16C 1/-</u>	2018334967
2018340866	<u>E01F 15/-</u>	<u>E04F 13/-</u>	<u>E21D 15/-</u>	2018354348	<u>F21S 2/-</u>
2018340945					
	2018322835	2018343395	2019226144	<u>F16D 41/-</u>	2018310543
<u>C22B 3/-</u>	2018322836	<u>E04F 15/-</u>	<u>E21D 9/-</u>	2018326356	<u>F21S 8/-</u>
2018340866	<u>E02B 15/-</u>	2019261733	2018311427	<u>F16D 7/-</u>	2018310543
2018340945					
	2018335591	<u>E04G 21/-</u>	<u>F02C 1/-</u>	2018326356	<u>F23G 7/-</u>
<u>C22B 34/-</u>					
	<u>E02D 23/-</u>	2018335539	2018315619	<u>F16G 15/-</u>	2018323051
2017345719			2018322996		
	2018329410	<u>E04H 15/-</u>		2018341930	<u>F23J 3/-</u>
<u>C22C 1/-</u>			<u>F02C 3/-</u>		
	<u>E02D 27/-</u>	2017427137		<u>F16H 55/-</u>	2018323051
2017345719			2018322996		
	2018329410	<u>E05B 27/-</u>	<u>F02G 1/-</u>	2018326356	<u>F24F 1/-</u>
<u>C22C 14/-</u>					
	<u>E02D 29/-</u>	2018330295	2018315619	<u>F16H 9/-</u>	2018331011
2017345719					
	2019268155	<u>E05B 9/-</u>	<u>F02N 11/-</u>	2018341930	<u>F24F 11/-</u>
<u>C23C 16/-</u>					
	<u>E02F 3/-</u>	2018330295	2018323836	<u>F16J 1/-</u>	2018324642
2018321482				2018328072	2018376559
	2018311534	<u>E21B 17/-</u>			
<u>C23F 13/-</u>	2018405685		<u>F03B 13/-</u>		<u>F24F 110/-</u>
	2019246073	2017439373		<u>F16J 15/-</u>	2018376559
2018329225	2019246074	2017439375	2018342752		
	2019246099			2017428887	
<u>C25C 3/-</u>	2019246100	<u>E21B 21/-</u>	<u>F03C 1/-</u>	2017428889	<u>F24F 13/-</u>
2017433177	<u>E02F 9/-</u>	2017440037	2018328072	<u>F16K 7/-</u>	2018331011
		2018313280			
<u>C25D 11/-</u>			<u>F03D 3/-</u>	2017428887	<u>F24F 3/-</u>
	2018405685	<u>E21B 23/-</u>		2017428889	
2018329225	2019246095		2018315012		2018376559
		2017439373		<u>F16L 25/-</u>	
<u>C40B 30/-</u>	<u>E04B 1/-</u>	2017444251	<u>F03D 7/-</u>		<u>F24F 7/-</u>
				2018326611	
2018318138	2017428251		2018337095		2018376559
	2017433981	<u>E21B 3/-</u>		<u>F16L 3/-</u>	
<u>C40B 40/-</u>	2018317387		<u>F04B 1/-</u>		<u>F24S 10/-</u>
	2018319030	2018313280		2018328094	
2018318138	2018326732		<u>E21B 33/-</u>		2017425794
	2018333845			<u>F16L 37/-</u>	
<u>D01F 2/-</u>		2017436083	<u>F04B 49/-</u>		<u>F24S 25/-</u>
	<u>E04B 2/-</u>	2017444251		2018311534	
2018344310		2018329410	2017441045	2018326611	2018322414
	2018326732				
<u>D03D 15/-</u>	2018333845	<u>E21B 41/-</u>	<u>F04B 53/-</u>	<u>F16L 5/-</u>	<u>F25B 1/-</u>
2018344310		2018318061	2018328072	2018352297	2018329314
		2018329410			2019302855

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<b><u>F25B 13 /-</u></b>	<b><u>F28F 1 /-</u></b>	<b><u>G01N 21 /-</u></b>	<b><u>G02B 5 /-</u></b>	2018330053	<b><u>G08G 1 /-</u></b>
2018329314	2018310819	2018306623	2018327774	2018338249	2018324525
<b><u>F25B 23 /-</u></b>	<b><u>F28F 7 /-</u></b>	2018311350		2018389229	2018329306
2018307454	2018310819	2018311351	<b><u>G02B 6 /-</u></b>	<b><u>G06F 3 /-</u></b>	<b><u>G09C 1 /-</u></b>
<b><u>F25B 41 /-</u></b>	<b><u>F41G 7 /-</u></b>	2018312421	2018322883	2017431769	2018338249
2018329314	2018316118	2018322883	2019303430	2018334159	<b><u>G09F 3 /-</u></b>
2019302855	2018316118	2018324422	<b><u>G02C 7 /-</u></b>	2018338222	2018318930
<b><u>F25B 9 /-</u></b>	<b><u>F41H 11 /-</u></b>	2018350890	2018327774	<b><u>G06F 9 /-</u></b>	<b><u>G10L 15 /-</u></b>
2019219831	2018322835	<b><u>G01N 27 /-</u></b>	<b><u>G04B 37 /-</u></b>	2018319446	2018331264
<b><u>F25C 1 /-</u></b>	<b><u>F42B 12 /-</u></b>	2018312570	2018368009	2018330053	<b><u>G10L 19 /-</u></b>
2018307454	2018334105	2018323281	<b><u>G04C 10 /-</u></b>	<b><u>G06K 7 /-</u></b>	2018315437
2018308163	2018334105	<b><u>G01N 29 /-</u></b>	2018310508	2018328233	2018337086
<b><u>F25C 3 /-</u></b>	<b><u>F42C 13 /-</u></b>	2017230727	<b><u>G04G 17 /-</u></b>	<b><u>G06K 9 /-</u></b>	2018338424
2018307454	2018316118	2017439205	2018368009	2018327983	2018345331
<b><u>F25D 11 /-</u></b>	<b><u>F42D 3 /-</u></b>	<b><u>G01N 30 /-</u></b>	<b><u>G04G 19 /-</u></b>	2018334373	<b><u>G10L 21 /-</u></b>
2019302855	2018410014	2018350886	2018310508	<b><u>G06N 99 /-</u></b>	2018345331
<b><u>F25D 13 /-</u></b>	<b><u>G01B 9 /-</u></b>	<b><u>G01N 31 /-</u></b>	<b><u>G05B 13 /-</u></b>	2017430470	<b><u>G16B 20 /-</u></b>
2018318217	2018360361	2018311350	2017433177	2017431764	2018313789
<b><u>F25D 23 /-</u></b>	<b><u>G01C 11 /-</u></b>	2018311351	<b><u>G05B 15 /-</u></b>	2017432161	2018327326
2018309536	2018334389	<b><u>G01N 33 /-</u></b>	<b><u>G06Q 10 /-</u></b>	<b><u>G06Q 10 /-</u></b>	2018330415
2018309538	2018334389	2017439205	2018321245	2018323097	<b><u>G16B 25 /-</u></b>
2018309540	2018334389	2018306623	2018325013	2018325013	2018313789
2018309541	2018334389	2018310983	2018332516	2018346165	2018330415
2018318217	2018334389	2018312421	2018346165	2018389229	<b><u>G16B 30 /-</u></b>
<b><u>F25D 25 /-</u></b>	<b><u>G01C 21 /-</u></b>	2018312570	<b><u>G05D 1 /-</u></b>	<b><u>G06Q 20 /-</u></b>	2018330415
2018318217	2018324525	2018313794	2018312625	2018309748	<b><u>G16B 40 /-</u></b>
<b><u>F25D 3 /-</u></b>	2018330901	2018323097	2018322758	2018333927	2018327326
2018318217	2018330901	2018323281	2018324525	2018355090	<b><u>G16H 10 /-</u></b>
<b><u>F25D 31 /-</u></b>	<b><u>G01F 23 /-</u></b>	2018326397	2018329459	<b><u>G06Q 30 /-</u></b>	2018321893
2018307454	2018350886	2018327347	2019246095	2018328124	<b><u>G16H 20 /-</u></b>
<b><u>F25J 1 /-</u></b>	<b><u>G01H 9 /-</u></b>	2018335231	<b><u>G05D 11 /-</u></b>	<b><u>G06Q 50 /-</u></b>	2018313789
2018320785	2017230721	2018341030	2018324555	2018321245	2018314780
2018335790	2017230727	2018345626	<b><u>G05D 16 /-</u></b>	2018324525	2018332516
<b><u>F25J 3 /-</u></b>	<b><u>G01J 9 /-</u></b>	2018346331	2017441045	2018353633	<b><u>G16H 30 /-</u></b>
2018328192	2018322883	2018359500	<b><u>G06F 1 /-</u></b>	2018357379	2018314780
<b><u>F28D 21 /-</u></b>	<b><u>G01L 13 /-</u></b>	<b><u>G01N 35 /-</u></b>	<b><u>G06F 11 /-</u></b>	<b><u>G06T 19 /-</u></b>	<b><u>G16H 40 /-</u></b>
2018310819	2018337086	2018335356	2018341708	2017431769	2018312582
<b><u>F28D 7 /-</u></b>	<b><u>G01L 19 /-</u></b>	<b><u>G01S 19 /-</u></b>	<b><u>G06F 12 /-</u></b>	<b><u>G06T 7 /-</u></b>	<b><u>G16H 50 /-</u></b>
2018310819	2018317408	2018317753	2018334452	2018334373	2018314780
<b><u>F28D 9 /-</u></b>	<b><u>G01M 17 /-</u></b>	<b><u>G01S 5 /-</u></b>	2018341708	<b><u>G07C 9 /-</u></b>	2018337905
2018325460	2018322883	2018317753	<b><u>G06F 21 /-</u></b>	2018311985	<b><u>G16H 80 /-</u></b>
2018335356	2018328819	2018317753	2018313753	<b><u>G08B 25 /-</u></b>	2018353932
<b><u>F28D 9 /-</u></b>	2018313794	<b><u>G01S 7 /-</u></b>	2018314915	2018311985	<b><u>G21G 1 /-</u></b>
2018310819	2018328819	<b><u>G01S 7 /-</u></b>	2018314916		2018333280
	2018335356	<b><u>G01V 1 /-</u></b>	2018314917		
		<b><u>G02B 21 /-</u></b>	2018329224		
		2018328819			
		<b><u>G02B 27 /-</u></b>			
		2018334389			
		2018338222			



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<b><u>H01B 11 /-</u></b>	<b><u>H03F 7 /-</u></b>	<b><u>H04N 5 /-</u></b>
2018328574	2018362084	2018327983
<b><u>H01B 13 /-</u></b>	<b><u>H04B 1 /-</u></b>	<b><u>H04R 3 /-</u></b>
2018326844	2018328888	2017425543
<b><u>H01B 7 /-</u></b>	<b><u>H04B 7 /-</u></b>	<b><u>H04W 12 /-</u></b>
2018328574	2018341708	2017428472 2018345540
<b><u>H01G 11 /-</u></b>	<b><u>H04H 20 /-</u></b>	<b><u>H04W 16 /-</u></b>
2018310713 2018329871	2019298881	2017431845
<b><u>H01M 10 /-</u></b>	<b><u>H04H 40 /-</u></b>	<b><u>H04W 36 /-</u></b>
2018310713 2018325256 2018326844 2018331482 2018372708	2019298881	2018314879
<b><u>H01M 2 /-</u></b>	<b><u>H04L 1 /-</u></b>	<b><u>H04W 4 /-</u></b>
2018331482	2017430534 2017430813 2018315298 2018315384	2018331264
<b><u>H01M 4 /-</u></b>	<b><u>H04L 12 /-</u></b>	<b><u>H04W 48 /-</u></b>
2018310713 2018325256 2018331482 2018372708	2018318803 2018319228 2018326369 2018346165	2017428472
<b><u>H01P 3 /-</u></b>	<b><u>H04L 29 /-</u></b>	<b><u>H04W 52 /-</u></b>
2017432161	2017431769 2018309748 2018313753 2018314918 2018318803 2018330053 2018331264 2018345540 2018346165	2017427495 2018314823
<b><u>H01P 5 /-</u></b>	<b><u>H04L 29 /-</u></b>	<b><u>H04W 60 /-</u></b>
2018351820	2017431769 2018309748 2018313753 2018314918 2018318803 2018330053 2018331264 2018345540 2018346165	2018314879
<b><u>H01P 7 /-</u></b>	<b><u>H04L 5 /-</u></b>	<b><u>H04W 72 /-</u></b>
2017432161	2018313837 2018315384 2018315385	2017425816 2017430862
<b><u>H02G 3 /-</u></b>	<b><u>H04L 9 /-</u></b>	<b><u>H04W 76 /-</u></b>
2018328094	2018309748 2018329224	2017428472 2018317155 2018331264
<b><u>H02J 3 /-</u></b>	<b><u>H04M 1 /-</u></b>	<b><u>H04W 8 /-</u></b>
2018323422	2018373975	2017430814 2018315349
<b><u>H02J 7 /-</u></b>	<b><u>H04M 3 /-</u></b>	<b><u>H04W 80 /-</u></b>
2018310508 2018322693 2018323836	2018331264	2017432988
<b><u>H02J 9 /-</u></b>	<b><u>H04N 1 /-</u></b>	<b><u>H04W 84 /-</u></b>
2018323422	2018341840	2018331264
<b><u>H02S 20 /-</u></b>	<b><u>H04N 19 /-</u></b>	<b><u>H05K 13 /-</u></b>
2018322414	2018345741	2019298881
<b><u>H03F 19 /-</u></b>		<b><u>H05K 5 /-</u></b>
2018362084		2019298881

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**A61P 25/00** ( 2006.01 )  
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**H04L 9/32** ( 2006.01 )  
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 C07K 16/46 ( 2006.01 )  
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**C07C 57/30** ( 2006.01 )  
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**C01D 5/18** ( 2006.01 )  
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**C22B 23/00** ( 2006.01 )  
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*E21B 47/10* ( 2012.01 )  
*E21B 49/00* ( 2006.01 )  
*G01N 9/24* ( 2006.01 )  
*G01N 23/06* ( 2006.01 )  
*G01T 1/00* ( 2006.01 )  
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*E21B 43/12* ( 2006.01 )  
*F04B 47/02* ( 2006.01 )  
*F04D 13/12* ( 2006.01 )  
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(71) Welltec Oilfield Solutions AG  
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(51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
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<b>2014225732</b>	Bayer CropScience LP; Athenix Corp.	<b>2015339828</b>	R.P. Scherer Technologies, Llc
<b>2014232225</b>	Alder Biopharmaceuticals, Inc.	<b>2015340369</b>	SPEX Corporate Holdings Limited
<b>2014235096</b>	The Trustees of the University of Pennsylvania	<b>2015343423</b>	Honeywell International Inc.
<b>2014235380</b>	Myriad Genetics, Inc.	<b>2015344911</b>	Hager-Electro SAS (Societe par Actions Simpliffee)
<b>2014236181</b>	Cibus US LLC; Cibus Europe B.V.	<b>2015345332</b>	Vetco Gray Scandinavia AS
<b>2014274543</b>	DePuy Mitek, LLC	<b>2015345943</b>	Prometic Pharma SMT Limited
<b>2014274939</b>	President and Fellows of Harvard College	<b>2015360875</b>	SWIMC LLC
<b>2014275272</b>	Microsoft Technology Licensing, LLC	<b>2015366148</b>	Institut d'investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)
<b>2014278011</b>	Akamara Therapeutics, Inc.	<b>2015369906</b>	ADAMA Makhteshim Ltd.
<b>2014284180</b>	Sequenom, Inc.	<b>2015374450</b>	Alcon Inc.
<b>2014324703</b>	Genentech, Inc.	<b>2015393933</b>	C. R. Bard, Inc.
<b>2014400609</b>	AbbVie Inc.	<b>2015394012</b>	Commissariat à l'Énergie Atomique et aux Énergies Alternatives
<b>2014405863</b>	CYTO365 AB	<b>2015413367</b>	Intuit Inc.
<b>2014409962</b>	Cleanup Corporation	<b>2016200046</b>	ALSTOM Transport Technologies
<b>2014412628</b>	Icmatech Inovacoes Tecnologicas Ltda	<b>2016200691</b>	Professional Compounding Centers of America (PCCA)
<b>2015200774</b>	PGS Geophysical AS	<b>2016201107</b>	The Boeing Company
<b>2015201080</b>	Lowe, J.	<b>2016201872</b>	Depuy Ireland Unlimited Company
<b>2015201631</b>	Commonwealth Scientific and Industrial Research Organisation	<b>2016202369</b>	The Boeing Company
<b>2015202360</b>	Vale S.A.	<b>2016202746</b>	DePuy Synthes Products, Inc.
<b>2015204540</b>	IGF Oncology, LLC	<b>2016203293</b>	GE Global Sourcing LLC
<b>2015209274</b>	BP Corporation North America, Inc.	<b>2016206573</b>	Hybernia Medical LLC
<b>2015213261</b>	Progress Rail Locomotive Inc.	<b>2016208062</b>	Thales
<b>2015217278</b>	MacroGenics, Inc.	<b>2016208982</b>	Design Brains Pty Ltd
<b>2015219105</b>	Snowflake Inc.	<b>2016211925</b>	Qualcomm Incorporated
<b>2015224564</b>	Interactive Intelligence Group, Inc.	<b>2016213105</b>	Sumitomo Metal Mining Co., Ltd.
<b>2015227420</b>	GE Global Sourcing LLC	<b>2016214806</b>	Institute of Chemistry, Chinese Academy of Science
<b>2015232959</b>	O.M.B. Guitars Ltd.	<b>2016215747</b>	Novintum Medical Technology GmbH
<b>2015233461</b>	Collectis	<b>2016216294</b>	Samsung Electronics Co., Ltd.
<b>2015236215</b>	Arcturus Therapeutics, Inc.	<b>2016220027</b>	CareFusion 303, Inc.
<b>2015247639</b>	Ab Initio Technology LLC	<b>2016222599</b>	Vanderbilt University; The Board of Regents of the University of Texas System
<b>2015252358</b>	Munchkin, Inc.	<b>2016223687</b>	Abivax; Centre National de la Recherche Scientifique; Institut Curie; Universite de Montpellier
<b>2015252841</b>	Ionis Pharmaceuticals, Inc.	<b>2016228025</b>	Qualcomm Incorporated
<b>2015253415</b>	Lopez, B.; Cruickshank, J.; Cruickshank, J.	<b>2016229385</b>	Fresenius Medical Care Holdings, Inc.
<b>2015255010</b>	Scott & Fyfe Limited	<b>2016236838</b>	Repono Pty Ltd
<b>2015255868</b>	Lawrence Livermore National Security, LLC	<b>2016238484</b>	Luzitin, S.A.; Universidade de Coimbra
<b>2015258722</b>	Jura Elektroapparate AG	<b>2016240319</b>	University of Leicester
<b>2015259277</b>	Google Technology Holdings LLC	<b>2016243556</b>	Armstrong World Industries, Inc.
<b>2015261592</b>	Covidien LP	<b>2016244804</b>	Forest Devices, Inc.
<b>2015264884</b>	General Kinematics Corporation	<b>2016246179</b>	Eden Green Global Technologies Limited
<b>2015267299</b>	SunPower Corporation	<b>2016246617</b>	Horton, Inc.
<b>2015267335</b>	Lazlo 326 LLC	<b>2016246756</b>	Silk Road Medical, Inc.
<b>2015273283</b>	Cambridge Enterprise Limited	<b>2016250124</b>	P M B
<b>2015274313</b>	Orthopediatrics Corp.	<b>2016252116</b>	Covidien LP
<b>2015280392</b>	Macrogenics, Inc.	<b>2016252635</b>	Laitram, L.L.C.
<b>2015280499</b>	Acutas Therapeutics Inc.	<b>2016252895</b>	SK Chemicals Co., Ltd.
<b>2015284065</b>	Anellotech, Inc.	<b>2016258892</b>	Diversey, Inc.
<b>2015286169</b>	FKG Dentaire SA	<b>2016259762</b>	H. Lundbeck A/S
<b>2015286706</b>	Knauf Insulation SPRL	<b>2016262409</b>	Cryovac, LLC
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<b>2015288023</b>	Westinghouse Air Brake Technologies Corporation	<b>2016271347</b>	Hendrickson USA, L.L.C.
<b>2015291193</b>	Fisher & Paykel Healthcare Limited	<b>2016280074</b>	Nantomics, LLC
<b>2015292252</b>	Pod Global Ip Pty Ltd	<b>2016280771</b>	Bombardier Transportation GmbH
<b>2015298215</b>	Johnson & Johnson Consumer Inc.	<b>2016294729</b>	BASF SE
<b>2015305583</b>	Ferno-Washington, Inc.	<b>2016301394</b>	Facebook, Inc.
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<b>2015313785</b>	Recro Gainesville LLC	<b>2016325467</b>	Hollister Incorporated
<b>2015317327</b>	Forma Therapeutics, Inc.	<b>2016333154</b>	Bluechain Pty Ltd
<b>2015319755</b>	KBA-NotaSys SA	<b>2016345858</b>	Fujitsu General Limited
<b>2015320702</b>	Miller, S.	<b>2016369069</b>	JPU.IO Ltd
<b>2015323907</b>	Applied Technologies Associates, Inc	<b>2016376507</b>	Hitachi Construction Machinery Co., Ltd.
<b>2015328414</b>	Signal Pharmaceuticals, LLC	<b>2016381162</b>	Dexcom, Inc.
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2016390149	Krosakiharima Corporation	2018210312	Genentech, Inc.; F. Hoffmann-La Roche AG
2016392254	Urschel Laboratories, Inc.	2018213964	Hanmi Science Co., Ltd
2016396507	Toshiba Carrier Corporation	2018223000	Halliburton Energy Services, Inc.
2016407222	Google LLC	2018226472	Pharmachemie B.V.
2016421610	Umitron Pte. Ltd.	2018226520	Oexmann GmbH & Co. KG
2016421819	Lanxess Deutschland GmbH	2018227681	Colgate-Palmolive Company
2016423070	New York Air Brake, LLC	2018227793	Case Western Reserve University
2016432064	Google LLC	2018229537	Andrew Wireless Systems GmbH
2017204616	Khouri, R.; Rigotti, G.; Baroni, G.	2018232903	Nien Made Enterprise Co., Ltd.
2017213666	Citrix Systems, Inc.	2018241076	Dexcom, Inc.
2017218673	Meyer Intellectual Properties Ltd.	2018250489	Apple Inc.
2017235284	Robert Bosch GmbH	2018253577	Software Motor Company
2017236045	Biolog-id	2018256539	Ducati Motor Holding S.p.A.; Politecnico di Milano
2017238095	Lyteloo Technologies, LLC	2018256591	Janssen Sciences Ireland UC
2017249661	Dupont Nutrition Biosciences ApS	2018256652	RAI Strategic Holdings, Inc.
2017250684	Skywell, LLC	2018260716	The Climate Corporation
2017252993	The Yokohama Rubber Co., Ltd.	2018260805	Sika Technology AG
2017258734	Citrix Systems, Inc.	2018260809	Global Blood Therapeutics, Inc.
2017262301	LG Electronics Inc.	2018264098	Multi-Chem Group, LLC
2017272155	FISHER & PAYKEL HEALTHCARE LIMITED	2018266322	Zimmer, Inc.
2017279830	Cytroniq Co., Ltd.	2018271320	Medtronic, Inc.
2017289165	Novelis Inc.	2018274995	Baxter International Inc.; Baxter Healthcare S.A.
2017294512	Welltec Oilfield Solutions AG	2018282267	LG Electronics Inc.
2017297608	Etubics Corporation	2018285453	4D Pharma Research Limited
2017306061	Geopolymer Solutions LLC	2018286576	LG Electronics Inc.
2017327430	Siemens Mobility GmbH	2018303343	Aqseptence Group Pty Ltd
2017327626	Nippon Steel Corporation; Vallourec Oil and Gas France	2018313510	Daikin Industries, Ltd.
2017333740	Maser, F.	2018314833	Almirall, S.A.
2017334841	Boston Scientific Neuromodulation Corporation	2018381333	Macnaught Pty Limited
2017340761	Netflix, Inc.	2018417768	Mizkan Holdings Co., Ltd.
2017356880	Colgate-Palmolive Company	2019200146	Toyota Jidosha Kabushiki Kaisha
2017357001	Rocher Manganese, Inc.	2019200320	NEC Corporation
2017359156	Colgate-Palmolive Company	2019200587	Colgate-Palmolive Company
2017367610	Merck Sharp & Dohme Corp.	2019201300	Seneca Industries Inc.
2017367686	ASSA ABLOY New Zealand Limited	2019201318	Corning Optical Communications LLC
2017369113	Qingdao Haier Joint Stock Co., Ltd	2019201502	Burton, C.; Robey, C.
2017369849	British American Tobacco (Investments) Limited	2019201665	MERRY LIFE BIOMEDICAL COMPANY, LTD.
2017371217	Akston Biosciences Corporation	2019201895	Becton, Dickinson and Company
2017371915	Win Chemicals, Ltd.; Vitech International, Inc.	2019202622	Dexcom, Inc.
2017378601	Daikin Industries, Ltd.	2019202864	BioNTech Cell & Gene Therapies GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH
2017384854	CJ Cheiljedang Corporation	2019202988	Heraeus Electro-Nite International N.V.
2018200064	The Scripps Research Institute; International AIDS Vaccine Initiative; Theraclone Sciences, Inc.	2019203344	Idemia Identity & Security France
2018200149	CoDa Therapeutics Limited	2019203687	Intrinsic Advanced Materials, LLC
2018200266	ICU Medical, Inc.	2019204849	Colgate-Palmolive Company
2018200347	Abraxis Bioscience, LLC	2019208252	Siga Technologies, Inc.
2018200488	FluGen, Inc.	2019219742	STRATACA SYSTEMS LIMITED
2018200490	FluGen, Inc.	2019226221	JUSHI GROUP CO., LTD
2018200858	Toyota Jidosha Kabushiki Kaisha; The University of Tokyo; National Agriculture and Food Research Organization	2019227872	AVERY DENNISON CORPORATION
2018201048	Cyclopharm Limited	2019266367	Ecochem Australia Pty Ltd
2018201160	Sony Corporation	2019268051	Peter A Martin Constructions Pty Ltd
2018201358	Chugai Seiyaku Kabushiki Kaisha	2019272012	Edwards Lifesciences Corporation
2018201547	Bedford Industries, Inc.	2020200149	Swirls, Inc.
2018201736	ContraFect Corporation		
2018201813	FISHER & PAYKEL HEALTHCARE LIMITED		
2018201814	ABRAXIS BIOSCIENCE, LLC		
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2018204393	Word Diamonds LLC		
2018204551	Apple Inc.		
2018204659	The United States of America, as represented by the Secretary, Department of Health and Human Service		
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2017369849	2015298215	2018260809	2018210312	<b><u>A61P 3 /-</u></b>	2016214806
<b><u>A24F 47 /-</u></b>	<b><u>A61F 2 /-</u></b>	2019201665	2018226472	2018213964	2016214806
2017369849	2016202746	2019208252	<b><u>A61M 1 /-</u></b>	<b><u>A61P 31 /-</u></b>	<b><u>B01J 8 /-</u></b>
2018256652	2016246756	<b><u>A61K 33 /-</u></b>	2016240319	2017367610	2019227872
		2014278011	2018274995	<b><u>A61P 35 /-</u></b>	<b><u>B05C 9 /-</u></b>
		<b><u>A61K 35 /-</u></b>	<b><u>A61M 15 /-</u></b>	2015233461	2016381162
		2017249661	2018226472	2015317327	2016381968
		2018285453	<b><u>A61M 16 /-</u></b>	2016238484	
		<b><u>A61K 38 /-</u></b>	2015291193	2018200347	<b><u>B07B 1 /-</u></b>
		2015204540	2017272155	2018201358	2015264884
		2016200691		2018201814	
		2017371217			

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2018303343	<b>B41N 7 /-</b>	2018256539	<b>B65G 15 /-</b>	<b>C07C 279 /-</b>	<b>C07F 15 /-</b>
<b>B08B 13 /-</b>	2015319755	<b>B63B 21 /-</b>	2016252635	2015335599	2014278011
2019266367	<b>B44D 3 /-</b>	2016208062	<b>B65G 21 /-</b>	<b>C07C 57 /-</b>	<b>C07F 19 /-</b>
<b>B08B 3 /-</b>	2016325432	<b>B63B 49 /-</b>	2016252635	2015345943	2016214806
2019266367	<b>B60G 7 /-</b>	2017279830	<b>B65G 23 /-</b>	<b>C07C 59 /-</b>	<b>C07F 7 /-</b>
<b>B22D 11 /-</b>	2016271347	<b>B63B 71 /-</b>	2016252635	2015345943	2015335599
2016390149	<b>B60K 35 /-</b>	2017279830	<b>B67D 7 /-</b>	<b>C07C 68 /-</b>	<b>C07H 19 /-</b>
<b>B22D 41 /-</b>	2018260716	<b>B64C 21 /-</b>	2018381333	2016421819	2015236215
2016390149	<b>B60N 2 /-</b>	2016201107	<b>C01B 13 /-</b>	<b>C07C 69 /-</b>	<b>C07H 21 /-</b>
<b>B26D 1 /-</b>	2016200046	<b>B64C 3 /-</b>	2016214806	2016421819	2014274939
2016392254	<b>B60P 1 /-</b>	2016201107	<b>C01D 15 /-</b>	<b>C07D 207 /-</b>	2015236215
<b>B26D 7 /-</b>	2016376507	<b>B65B 11 /-</b>	2017357001	2016259762	2015252841
2016392254	<b>B60R 22 /-</b>	2016262409	<b>C01D 5 /-</b>	<b>C07D 233 /-</b>	2015204540
<b>B29C 35 /-</b>	2019201502	<b>B65B 27 /-</b>	2017357001	2015273283	2015252841
2019227872	<b>B60S 11 /-</b>	2015286706	<b>C01F 7 /-</b>	<b>C07D 239 /-</b>	<b>C07K 14 /-</b>
<b>B29C 49 /-</b>	2019268051	2018201547	2018260805	2015369906	2014225732
2015339828	<b>B60T 13 /-</b>	<b>B65B 3 /-</b>	<b>C02F 1 /-</b>	<b>C07D 279 /-</b>	2015310897
<b>B31F 1 /-</b>	2016423070	2015339828	2017250684	2015308774	2017371217
2019266367	<b>B60T 17 /-</b>	<b>B65B 63 /-</b>	<b>C02F 5 /-</b>	<b>C07D 295 /-</b>	2018213964
<b>B31F 5 /-</b>	2015286706	2015286706	2017371915	2015280499	2018314833
2019266367	<b>B61C 9 /-</b>	<b>B65D 17 /-</b>	<b>C02F 9 /-</b>	2016259762	2019202864
<b>B32B 1 /-</b>	2016423070	2016262409	2017250684	<b>C07D 401 /-</b>	<b>C07K 16 /-</b>
2016315591	<b>B61D 1 /-</b>	<b>B65D 33 /-</b>	<b>C03C 3 /-</b>	2015317327	2014324703
<b>B32B 25 /-</b>	2016280771	2018201547	2019226221	<b>C07D 405 /-</b>	2015233461
2016315591	<b>B61D 17 /-</b>	<b>B65D 47 /-</b>	<b>C04B 28 /-</b>	2015317327	2015280392
<b>B32B 27 /-</b>	2016200046	2015252358	2017306061	2016223687	2015310897
2016262409	<b>B61D 33 /-</b>	<b>B65D 51 /-</b>	<b>C04B 40 /-</b>	<b>C07D 413 /-</b>	2017371217
2016315591	2016200046	2014412628	2018260805	2015317327	<b>C07K 7 /-</b>
<b>B32B 3 /-</b>	2016200046	2015339828	<b>C07B 59 /-</b>	<b>C07D 417 /-</b>	2018314833
2016262409	<b>B61L 23 /-</b>	<b>B65D 63 /-</b>	2015335599	2015317327	<b>C08F 2 /-</b>
2016315591	2015288023	2018201547	<b>C07C 17 /-</b>	<b>C07D 473 /-</b>	2015360875
<b>B32B 5 /-</b>	<b>B61L 27 /-</b>	2015253415	2015335599	2015328414	2019227872
2016315591	2015288023	<b>B65D 77 /-</b>	<b>C07C 219 /-</b>	<b>C07D 487 /-</b>	<b>C08F 220 /-</b>
<b>B32B 7 /-</b>	2017327430	2016262409	2015280499	2016238484	2016294729
2016262409	<b>B61L 3 /-</b>	<b>B65D 81 /-</b>	<b>C07C 229 /-</b>	2017367610	<b>C08F 283 /-</b>
2016315591	2015227420	2016262409	2015280499	2018260809	2016294729
<b>B41F 11 /-</b>	<b>B62J 6 /-</b>	2016262409	2015280499	2018256591	<b>C08F 6 /-</b>
2015319755	2016208982	<b>B65D 85 /-</b>	<b>C07C 235 /-</b>	<b>C07D 498 /-</b>	2019227872
<b>B41F 31 /-</b>	<b>B62K 21 /-</b>	2015286706	2019201665	2017367610	<b>C08G 63 /-</b>
2015319755					

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2016252895	2019266367	<b><u>D01F 6 /-</u></b>			2017369113
<b><u>C08J 3 /-</u></b>	<b><u>C12N 15 /-</u></b>	2015343423	<b><u>E21B 29 /-</u></b>	<b><u>F04D 29 /-</u></b>	<b><u>F28F 25 /-</u></b>
2016252895	2014225732	2019203687	2015340369	2016246617	2018202994
2019203687	2014235096	<b><u>D03D 15 /-</u></b>	<b><u>E21B 3 /-</u></b>	<b><u>F16J 15 /-</u></b>	<b><u>G01B 11 /-</u></b>
<b><u>C08K 3 /-</u></b>	2014236181	2015255010	2018206792	2019200146	2017279830
2016243556	2015252841	<b><u>D03D 3 /-</u></b>	<b><u>E21B 33 /-</u></b>	<b><u>F16K 11 /-</u></b>	<b><u>G01L 1 /-</u></b>
<b><u>C08L 31 /-</u></b>	2017297608	2015255010	2017294512	2014405863	2017279830
2019203687	2018200149	<b><u>D04B 21 /-</u></b>	<b><u>E21B 34 /-</u></b>	<b><u>F16L 101 /-</u></b>	<b><u>G01N 1 /-</u></b>
<b><u>C08L 67 /-</u></b>	2018200488	2015255010	2018223000	2015394012	2019202988
2019203687	2018200490	<b><u>D06F 39 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F16L 11 /-</u></b>	<b><u>G01N 21 /-</u></b>
<b><u>C09C 3 /-</u></b>	2018200858	2018286576	2015345332	2015255010	2018260716
2015360875	2018201358	<b><u>D06M 15 /-</u></b>	2017294512	<b><u>F16L 15 /-</u></b>	<b><u>G01N 23 /-</u></b>
<b><u>C09D 109 /-</u></b>		2015343423	2018223000	2017327626	2015202360
2015360875	<b><u>C12N 7 /-</u></b>	<b><u>D21F 1 /-</u></b>	<b><u>E21B 47 /-</u></b>	<b><u>F16L 55 /-</u></b>	2015255868
<b><u>C09D 11 /-</u></b>	2014274939	2019266367	2015202360	2015255010	<b><u>G01N 27 /-</u></b>
2015360875	2015217278	<b><u>D21H 23 /-</u></b>	2015323907	2015394012	2016381162
2016213105	2015252841	2019266367	<b><u>E21B 49 /-</u></b>	<b><u>F16N 21 /-</u></b>	2016381968
<b><u>C09D 17 /-</u></b>	2018200858	<b><u>E01H 8 /-</u></b>	2015202360	2017333740	<b><u>G01N 3 /-</u></b>
2016213105	<b><u>C12N 9 /-</u></b>	2015213261	<b><u>E21D 15 /-</u></b>	<b><u>F21L 4 /-</u></b>	2017252993
<b><u>C09D 5 /-</u></b>	2018201736	<b><u>E02D 13 /-</u></b>	<b><u>E21D 23 /-</u></b>	2016208982	<b><u>G01N 33 /-</u></b>
2015360875	2019266367	2015332299	2019201300	<b><u>F24C 3 /-</u></b>	2014232225
<b><u>C09D 7 /-</u></b>	<b><u>C12P 19 /-</u></b>	2015332299	<b><u>F01P 5 /-</u></b>	2017218673	2014235380
2016243556	2015236215	<b><u>E02D 7 /-</u></b>	2016246617	<b><u>F24F 1 /-</u></b>	2015217278
2016325432	<b><u>C12P 21 /-</u></b>	2015332299	<b><u>F02M 41 /-</u></b>	2016396507	2016222599
<b><u>C09J 4 /-</u></b>	2015204540	<b><u>E02F 7 /-</u></b>	2018204659	<b><u>F24S 23 /-</u></b>	2018201358
2019227872	2015217278	2018206792	<b><u>F02M 61 /-</u></b>	2015201631	2018260716
<b><u>C09K 3 /-</u></b>	<b><u>C12Q 1 /-</u></b>	<b><u>E03C 1 /-</u></b>	2019200146	<b><u>F25B 1 /-</u></b>	2019201665
2016213105	2014235380	2014409962	<b><u>F03D 7 /-</u></b>	<b><u>F25S 23 /-</u></b>	<b><u>G01N 9 /-</u></b>
<b><u>C09K 5 /-</u></b>	2014284180	<b><u>E04G 17 /-</u></b>	<b><u>F03G 6 /-</u></b>	2017378601	2015202360
2017378601	2016381162	2018203736	2018204923	2017378601	<b><u>G01S 13 /-</u></b>
<b><u>C09K 8 /-</u></b>	2016381968	<b><u>E05C 17 /-</u></b>	2015201631	2017378601	2016376507
2018264098	<b><u>C22B 23 /-</u></b>	2017367686	<b><u>F04B 3 /-</u></b>	<b><u>F25B 47 /-</u></b>	<b><u>G01T 1 /-</u></b>
<b><u>C10G 1 /-</u></b>	2017357001	<b><u>E05D 15 /-</u></b>	2018313510	2018313510	2015202360
2015284065	<b><u>C22B 26 /-</u></b>	2017367686	<b><u>F04D 13 /-</u></b>	<b><u>F25D 11 /-</u></b>	<b><u>G01V 1 /-</u></b>
<b><u>C10G 3 /-</u></b>	2017357001	2017367686	2018381333	2017369113	2015200774
2015284065	<b><u>C22C 21 /-</u></b>	<b><u>E05F 11 /-</u></b>	2015345332	<b><u>F25D 17 /-</u></b>	2015209274
2015284065	2017289165	2017367686	<b><u>F04B 47 /-</u></b>	2017369113	<b><u>G01V 3 /-</u></b>
<b><u>C11D 11 /-</u></b>	<b><u>C23G 1 /-</u></b>	<b><u>E06B 9 /-</u></b>	2015345332	<b><u>F25D 21 /-</u></b>	2015323907
2016258892	2017371915	2018232903	<b><u>F04D 15 /-</u></b>	2017250684	<b><u>G01V 5 /-</u></b>
<b><u>C11D 3 /-</u></b>	<b><u>C25B 1 /-</u></b>	<b><u>E21B 10 /-</u></b>	2015345332	<b><u>F25D 25 /-</u></b>	2015202360
2016258892	2016214806	2018206792	2018381333		
2016258892	<b><u>C25B 5 /-</u></b>				

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<b><u>G01V 8 /-</u></b>	<b><u>G06N 99 /-</u></b>	<b><u>H01H 83 /-</u></b>	2018202378 2018250489
2018260716	2016280074 2016407222 2016432064	2015344911	<b><u>H04N 5 /-</u></b>
<b><u>G02B 21 /-</u></b>		<b><u>H01L 31 /-</u></b>	2018202378
2015374450	<b><u>G06Q 10 /-</u></b>	2015267299	<b><u>H04W 72 /-</u></b>
<b><u>G02B 6 /-</u></b>	2016203293	<b><u>H01R 24 /-</u></b>	2016228025 2019200320
2018205136 2019201318	<b><u>G06Q 20 /-</u></b>	2015332607	
	2016333154	<b><u>H02M 7 /-</u></b>	<b><u>H04W 88 /-</u></b>
<b><u>G02C 7 /-</u></b>	<b><u>G06Q 50 /-</u></b>	2016345858	2018229537
2016268416	2017236045	<b><u>H02P 25 /-</u></b>	<b><u>H05G 2 /-</u></b>
<b><u>G06F 11 /-</u></b>	<b><u>G06T 7 /-</u></b>	2018253577	2015255868
2017340761	2016421610 2019203344	<b><u>H02P 9 /-</u></b>	
<b><u>G06F 12 /-</u></b>		2018204923	
2020200149	<b><u>G07F 17 /-</u></b>	<b><u>H04B 10 /-</u></b>	
<b><u>G06F 15 /-</u></b>	2015267335 2017236045	2016202369 2017238095	
2015413367	<b><u>G08B 21 /-</u></b>	<b><u>H04B 5 /-</u></b>	
<b><u>G06F 16 /-</u></b>	2019201502	2016229385	
2014275272 2015219105 2015224564 2020200149	<b><u>G08G 1 /-</u></b>	<b><u>H04B 7 /-</u></b>	
	2016376507	2017238095 2018282267	
<b><u>G06F 17 /-</u></b>	<b><u>G09F 3 /-</u></b>	<b><u>H04L 12 /-</u></b>	
2016384433	2018201547	2016301394 2016301395 2016301397	
<b><u>G06F 21 /-</u></b>	<b><u>G10H 1 /-</u></b>	<b><u>H04L 29 /-</u></b>	
2015259277 2016333154	2015232959	2015259277 2016301394 2016301395 2016301397 2016369069 2017213666	
<b><u>G06F 3 /-</u></b>	<b><u>G10H 3 /-</u></b>	<b><u>H04L 5 /-</u></b>	
2018204393 2018204781 2020200149	2015232959	2016211925	
<b><u>G06F 40 /-</u></b>	<b><u>G10L 25 /-</u></b>	<b><u>H04L 9 /-</u></b>	
2015224564	2015224564	2016333154	
<b><u>G06F 7 /-</u></b>	<b><u>G11B 27 /-</u></b>	<b><u>H04M 1 /-</u></b>	
2020200149	2018250489	2016216294	
<b><u>G06F 9 /-</u></b>	<b><u>G16B 40 /-</u></b>	<b><u>H04M 11 /-</u></b>	
2015247639 2015312006 2017213666 2017258734 2020200149	2016280074	2017235284	
	<b><u>G21C 17 /-</u></b>	<b><u>H04N 19 /-</u></b>	
<b><u>G06K 19 /-</u></b>	2015394012	2018201160 2018204551	
2017236045	<b><u>G21G 1 /-</u></b>	<b><u>H04N 21 /-</u></b>	
<b><u>G06K 9 /-</u></b>	2018201048		
2019203344	<b><u>G21G 4 /-</u></b>		
	2018201048		
	<b><u>H01H 71 /-</u></b>		
	2015344911		

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

- 2015336923 **Power, S.; Long, D.A.J.** ( CQMS Pty Ltd )
- 2016219013 **ESCO Group LLC** ( CQMS Pty Ltd )
- 2018201628 **ESCO Group LLC** ( CQMS Pty Ltd )
- 2019229336 **Vawdrey Australia Pty. Ltd.** ( Krueger Transport Equipment Pty Ltd )

**Opposition Withdrawn**

- 2014262374 **Technological Resources Pty Ltd** ( Tettman, R. )

**Patents Granted**

**Standard Patents**

- 2013374549 2013382253 2013388359 2013389280
- 2014200191 2014202014 2014213769 2014232562
- 2014232736 2014233552 2014234480 2014238177
- 2014239573 2014240564 2014253670 2014268224
- 2014273034 2014274076 2014274574 2014276229
- 2014276836 2014284235 2014286185 2014287427
- 2014292924 2014296243 2014296415 2014298893
- 2014300650 2014301961 2014302038 2014304930
- 2014305778 2014306956 2014306959 2014309040
- 2014310935 2014311854 2014313866 2014314055
- 2014314303 2014318702 2014324670 2014334842
- 2014338864 2014339698 2014340263 2014342412
- 2014350144 2014356444 2014361104 2014364248
- 2014364345 2014370289 2014371445 2014372174
- 2014373710 2014374302 2014375413 2014393634
- 2014398172 2014398875 2014402251 2015201172
- 2015201351 2015201690 2015201693 2015202531
- 2015202611 2015203395 2015206736 2015207548
- 2015208299 2015210425 2015211085 2015212442
- 2015212600 2015212606 2015212758 2015213537
- 2015214132 2015215162 2015215622 2015215962
- 2015216595 2015216712 2015216742 2015217275
- 2015218375 2015219112 2015219354 2015219495
- 2015219884 2015221258 2015221457 2015222283
- 2015222687 2015222843 2015226831 2015227303
- 2015228548 2015229243 2015230291 2015230905
- 2015234860 2015235994 2015236054 2015237373
- 2015238880 2015241412 2015242507 2015243097
- 2015244021 2015246635 2015248061 2015249511
- 2015253103 2015253949 2015255979 2015256507
- 2015257489 2015257897 2015258114 2015258115
- 2015258193 2015258757 2015259302 2015260468
- 2015261812 2015261814 2015263063 2015263830
- 2015263848 2015266576 2015267252 2015272024
- 2015278731 2015279350 2015280437 2015283074
- 2015283101 2015283817 2015284114 2015284463
- 2015286721 2015286723 2015287674 2015288950
- 2015290007 2015292632 2015292777 2015293541
- 2015294663 2015295184 2015295285 2015298547
- 2015301432 2015301641 2015302099 2015305017
- 2015305371 2015306231 2015306892 2015307056
- 2015313221 2015313353 2015314927 2015315593
- 2015316199 2015316425 2015317711 2015320510
- 2015321416 2015321653 2015323684 2015325104
- 2015327098 2015327393 2015327724 2015328121
- 2015328307 2015328357 2015328491 2015328523
- 2015328533 2015330129 2015330441 2015331623
- 2015332733 2015336008 2015337025 2015339357
- 2015340359 2015340496 2015341070 2015342057

**Patents Granted**

**Standard Patents**

- 2015343471 2015345507 2015348036 2015352059
- 2015352800 2015353026 2015357284 2015360683
- 2015362720 2015364403 2015366120 2015366189
- 2015367391 2015371137 2015372368 2015372429
- 2015374244 2015378665 2015383598 2015409405
- 2015411108 2015411582 2015419252 2015419259
- 2016201148 2016201444 2016202359 2016204734
- 2016205046 2016207976 2016208930 2016209963
- 2016211272 2016214308 2016214496 2016214592
- 2016214792 2016214793 2016215173 2016216253
- 2016217655 2016217967 2016218190 2016218353
- 2016223099 2016223160 2016224993 2016226461
- 2016228029 2016229198 2016231996 2016235731
- 2016236722 2016238233 2016238617 2016240220
- 2016241226 2016246737 2016247422 2016248097
- 2016249109 2016249929 2016250091 2016250908
- 2016251902 2016253422 2016256573 2016257166
- 2016257387 2016258027 2016263523 2016265602
- 2016283107 2016288714 2016291566 2016293674
- 2016297565 2016297566 2016299036 2016304925
- 2016315900 2016317060 2016317385 2016317386
- 2016317387 2016318302 2016319229 2016326332
- 2016333348 2016334076 2016334085 2016335123
- 2016340013 2016341192 2016348358 2016358270
- 2016362964 2016368278 2016371789 2016380347
- 2016380716 2016382741 2016384627 2016385282
- 2016393382 2016393930 2016396079 2016396263
- 2016404607 2016404892 2016405587 2016405671
- 2016407427 2016407428 2016412194 2016412539
- 2016412742 2016413532 2016420300 2016421246
- 2016421324 2016421325 2016423774 2016426987
- 2016429362 2017200059 2017202587 2017204219
- 2017204264 2017204279 2017204382 2017204797
- 2017205545 2017206182 2017206728 2017209761
- 2017215419 2017220115 2017221107 2017221784
- 2017224279 2017225061 2017225083 2017225100
- 2017225161 2017225642 2017227207 2017227280
- 2017228415 2017228430 2017228603 2017230513
- 2017232084 2017233900 2017234646 2017236047
- 2017237179 2017237899 2017239622 2017240483
- 2017241587 2017243398 2017245386 2017248470
- 2017248528 2017248549 2017248555 2017250221
- 2017251689 2017251789 2017251798 2017252254
- 2017252429 2017253317 2017253763 2017254807
- 2017255443 2017257545 2017258943 2017258961
- 2017259506 2017259964 2017261532 2017261625
- 2017263073 2017263180 2017265015 2017265097
- 2017265111 2017265124 2017265177 2017266608
- 2017268486 2017268549 2017268599 2017268612
- 2017268634 2017270808 2017272152 2017272181
- 2017272209 2017277043 2017277989 2017279566
- 2017279569 2017279583 2017279808 2017283407
- 2017285015 2017285867 2017286113 2017289071
- 2017291414 2017294107 2017295131 2017296026
- 2017296410 2017296886 2017300421 2017305945
- 2017306079 2017308753 2017310506 2017311326
- 2017319515 2017326029 2017330320 2017331369
- 2017333054 2017333663 2017335250 2017335569
- 2017335994 2017345024 2017345158 2017346249
- 2017348835 2017349184 2017354868 2017355473
- 2017359159 2017359769 2017363490 2017383463
- 2017388076 2017394951 2017403278 2018200081
- 2018200169 2018200183 2018200234 2018200396
- 2018200411 2018200495 2018200640 2018200783
- 2018200785 2018200786 2018200850 2018200946
- 2018201107 2018201151 2018201279 2018201400
- 2018201624 2018201658 2018201694 2018201758
- 2018201774 2018201801 2018201828 2018201965
- 2018201997 2018202074 2018202098 2018202115

**Patents Granted****Standard Patents**

2018202175	2018202407	2018202445	2018202454
2018202458	2018202701	2018202832	2018203048
2018203069	2018203159	2018203313	2018203346
2018203371	2018203394	2018203501	2018203506
2018203679	2018203696	2018203765	2018203799
2018203867	2018203970	2018204027	2018204177
2018204295	2018204322	2018204384	2018204386
2018204392	2018204485	2018204544	2018204667
2018204762	2018204790	2018204858	2018204909
2018204943	2018205151	2018205838	2018206745
2018206830	2018206831	2018208375	2018208696
2018213994	2018214092	2018217275	2018220116
2018226215	2018229539	2018232645	2018232928
2018232998	2018236742	2018236879	2018241092
2018241152	2018242434	2018245787	2018249887
2018250400	2018253455	2018256502	2018256565
2018260580	2018260896	2018271400	2018276929
2018278855	2018278950	2018279788	2018312629
2018357933	2019200148	2019200193	2019200225
2019200394	2019200990	2019201173	2019201243
2019201639	2019201731	2019201859	2019202384
2019202647	2019202779	2019202997	2019203473
2019203527	2019204119	2019204469	2019213416
2019219870	2019232885	2019236752	2019250699
2019253859			

**Innovation Patents**

2014101664	2017101876	2018102158	2018102161
2019101457	2019101458	2020100114	2020100149
2020100171	2020100173	2020100178	2020100179
2020100184	2020100193	2020100196	2020100198
2020100199	2020100207	2020100210	2020100212
2020100213	2020100214	2020100215	2020100216
2020100217	2020100218	2020100219	

**Revocation**

It is hereby notified that the offer by the Patentee **Sanofi** to surrender Patent 2014295098 which was advertised in the Official Journal of 30.01.2020 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 **Sanofi** to surrender Patent 2014295099 which was advertised in the Official Journal of 30.01.2020 has been accepted and the Patent has been revoked in accordance with Section 137 of the Patents Act.

**Assignments Registered**

1996065150	Novartis AG	The patent has been assigned to <b>Recordati AG</b>
2000069127	Huntsman Petrochemical Corporation	The patent has been assigned to <b>Indorama Ventures Oxides LLC</b>
2001038940	Kraft Foods R & D, Inc.	The patent has been assigned to <b>Intercontinental Great Brands LLC</b>
2001065504	Challenor, Harrill Ashley	The patent has been assigned to <b>Matrix Composites &amp; Engineering Ltd</b>
2001289778	Novartis AG	The patent has been assigned to <b>Recordati AG</b>
2002256107	Kraft Foods R & D, Inc.	The patent has been assigned to <b>Intercontinental Great Brands LLC</b>
2003290019	Novartis AG	The patent has been assigned to <b>Recordati AG</b>
2004200242	Mattane Pty Ltd	The patent has been assigned to <b>Supa Peg Australia Pty Ltd</b>

**Assignments Registered**

2004205079	Horizon Global Americas Inc	The patent has been assigned to <b>Horizon Global Pty Ltd</b>
2004251866	Novartis AG	The patent has been assigned to <b>Recordati AG</b>
2004262570	Novartis AG	The patent has been assigned to <b>Recordati AG</b>
2004268991	Westmoreland Advanced Materials, Inc.	The patent has been assigned to <b>Allied Mineral Products, LLC</b>
2004289055	Novartis AG	The patent has been assigned to <b>Recordati AG</b>
2004318159	Arterial Remodeling Technologies, S.A.	The patent has been assigned to <b>SAHAJANAND MEDICAL TECHNOLOGIES PRIVATE LIMITED</b>
2005280592	Huntsman Petrochemical LLC	The patent has been assigned to <b>Indorama Ventures Oxides LLC</b>
2005294595	Huntsman Petrochemical LLC	The patent has been assigned to <b>Indorama Ventures Oxides LLC</b>
2005296007	Siemens Medical Solutions USA, Inc.; Siemens Corporation	The patent has been assigned to <b>Siemens Healthcare GmbH</b>
2005309693	Kraft Foods R & D, Inc.	The patent has been assigned to <b>Intercontinental Great Brands LLC</b>
2005318172	Kraft Foods R & D, Inc.	The patent has been assigned to <b>Kraft Foods Schweiz Holding GmbH</b>
2006202295	Kraft Foods R & D, Inc.	The patent has been assigned to <b>Kraft Foods Schweiz Holding GmbH</b>
2006283105	Novartis AG	The patent has been assigned to <b>Recordati AG</b>
2006342738	NM Tech Ltd. Nanomaterials and Microdevices Technology	The patent has been assigned to <b>NTC S.r.l.</b>
2007202198	Kraft Foods R & D, Inc.	The patent has been assigned to <b>Kraft Foods Schweiz Holding GmbH</b>
2007216945	Kraft Foods R & D, Inc.	The patent has been assigned to <b>Kraft Foods Schweiz Holding GmbH</b>
2007227608	Huntsman Petrochemical LLC	The patent has been assigned to <b>Indorama Ventures Oxides LLC</b>
2007267026	Huntsman Petrochemical LLC	The patent has been assigned to <b>Indorama Ventures Oxides LLC</b>
2007287943	Chromaviso IP ApS	The patent has been assigned to <b>Chromaviso A/S</b>
2008200922	Morris, Peter	The patent has been assigned to <b>Australian Valve Group Pty Ltd</b>
2008201649	Kraft Foods R & D, Inc.	The patent has been assigned to <b>Intercontinental Great Brands LLC</b>
2008202155	Kraft Foods R & D, Inc.	The patent has been assigned to <b>Kraft Foods Schweiz Holding GmbH</b>
2008252931	Novartis AG	The patent has been assigned to <b>Recordati AG</b>
2008341109	Simpkins, Cuthbert	The patent has been assigned to <b>VIVA-CELLE BIO, INC.</b>
2009222593	Kraft Foods R & D, Inc.	The patent has been assigned to <b>Intercontinental Great Brands LLC</b>
2009299580	Amicoat AS	The patent has been assigned to <b>Peptide Patents AS</b>



**Assignments Registered**

2010201423 Kraft Foods R & D, Inc. The patent has been assigned to **Intercontinental Great Brands LLC**

2010201929 Mattane Pty Ltd The patent has been assigned to **Supa Peg Australia Pty Ltd**

2010202638 Kraft Foods R & D, Inc. The patent has been assigned to **Intercontinental Great Brands LLC**

2010202734 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2010210025 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2010238686 HUNTSMAN PETROCHEMICAL LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2010238687 HUNTSMAN PETROCHEMICAL LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2010241186 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2010246436 Westmoreland Advanced Materials, Inc. The patent has been assigned to **Allied Mineral Products, LLC**

2011200242 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2011200486 Horizon Global Americas Inc The patent has been assigned to **Horizon Global Pty Ltd**

2011200608 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2011202395 Mattane Pty Ltd The patent has been assigned to **Supa Peg Australia Pty Ltd**

2011203046 Huntsman Petrochemical LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2011204868 Mattane Pty Ltd The patent has been assigned to **Supa Peg Australia Pty Ltd**

2011205290 Novartis AG The patent has been assigned to **Recordati AG**

2011259444 NGK Spark Plug Co., Ltd. The patent has been assigned to **MORIMURA SOFC TECHNOLOGY CO., LTD.**

2011336820 Huntsman Petrochemical LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2011343825 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2012205623 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2012221022 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2012225548 Tonix Pharmaceuticals, Inc. The patent has been assigned to **Tonix Pharma Holdings Limited**

2012232871 Cadbury UK Limited; Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH; Cadbury UK Limited**

2012238262 Horizon Global Americas Inc The patent has been assigned to **Horizon Global Pty Ltd**

**Assignments Registered**

2012245869 Huntsman Petrochemical LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2012279094 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2012279126 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2012279200 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2012279251 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2012279413 Kraft Foods R & D, Inc. The patent has been assigned to **Intercontinental Great Brands LLC**

2012299201 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2012305807 Mahidol University; Osaka University; The Research Foundation for Microbial Diseases of Osaka University; Department of Medical Sciences (DMSc); Medical and Biological Laboratories Co., Ltd The patent has been assigned to **Osaka University; Mahidol University; Department of Medical Sciences (DMSc); Medical and Biological Laboratories Co., Ltd**

2012308876 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2012309814 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2012387604 Rodriguez Rios, Borja; Lopez Gomez, Mariano The patent has been assigned to **Servicios Condumex, S.A. de C.V.**

2013200387 Westmoreland Advanced Materials, Inc. The patent has been assigned to **Allied Mineral Products, LLC**

2013201366 KRAFT FOODS R & D, INC. The patent has been assigned to **Intercontinental Great Brands LLC**

2013209952 Novartis AG The patent has been assigned to **Recordati AG**

2013238065 Kraft Foods R&D, Inc. The patent has been assigned to **Intercontinental Great Brands LLC**

2013239441 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2013241688 Kraft Foods R&D, Inc. The patent has been assigned to **Intercontinental Great Brands LLC**

2013269838 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2013274003 Tonix Pharmaceuticals, Inc. The patent has been assigned to **Tonix Pharma Holdings Limited**

2013279040 Cancer Research Technology Limited The patent has been assigned to **The Institute of Cancer Research: Royal Cancer Hospital**

2013294680 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2013325154 Huntsman Petrochemical LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2013333657 The University of Bristol The patent has been assigned to **Exonate Limited**

2013338432 Huntsman Petrochemical LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

**Assignments Registered**

2013353752 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2014203013 KRAFT FOODS R&D, INC. The patent has been assigned to **Intercontinental Great Brands LLC**

2014213517 Kraft Foods R & D, Inc. The patent has been assigned to **Intercontinental Great Brands LLC**

2014233277 Tonix Pharmaceuticals, Inc. The patent has been assigned to **Tonix Pharma Holdings Limited**

2014274461 Huntsman Petrochemical LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2014288922 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2014304145 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2014304203 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2014304205 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2014313854 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2014319976 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2014322699 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2014347188 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2014352751 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2015202443 HUNTSMAN PETROCHEMICAL LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2015204185 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2015218558 KRAFT FOODS R&D, INC. The patent has been assigned to **Intercontinental Great Brands LLC**

2015230775 KRAFT FOODS R&D, INC. The patent has been assigned to **Intercontinental Great Brands LLC**

2015248656 NewSouth Innovations Pty Limited; The University of Nottingham The patent has been assigned to **Exonate Limited**

2015254853 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2015254970 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2015274585 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2015284080 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2015284531 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2015287336 Novartis AG The patent has been assigned to **Recordati AG**

**Assignments Registered**

2015302991 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2015304918 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2015328621 Huntsman Petrochemical LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2015350281 General Electric Company The patent has been assigned to **Current Lighting Solutions, LLC**

2015356760 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2016200200 HUNTSMAN PETROCHEMICAL LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2016210899 Novartis AG The patent has been assigned to **Recordati AG**

2016220527 General Electric Company The patent has been assigned to **Current Lighting Solutions, LLC**

2016222412 Tonix Pharmaceuticals, Inc. The patent has been assigned to **Tonix Pharma Holdings Limited**

2016233448 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2016241598 Kraft Foods R & D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2016359088 Kraft Foods R&D, Inc. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2017200092 General Electric Company The patent has been assigned to **Current Lighting Solutions, LLC**

2017201654 KRAFT FOODS R&D, INC. The patent has been assigned to **Kraft Foods Schweiz Holding GmbH**

2017232088 HUNTSMAN PETROCHEMICAL LLC The patent has been assigned to **Indorama Ventures Oxides LLC**

2017241445 The Markov Corporation The patent has been assigned to **Markov LLC**

2017286520 The Markov Corporation The patent has been assigned to **Markov LLC**

2017385947 Kraft Foods R&D, Inc. The patent has been assigned to **Intercontinental Great Brands LLC**

2018260976 The Markov Corporation The patent has been assigned to **Markov LLC**

**Licences Registered - Section 187, Reg. 19**

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

2007309814 HUGHES ASSET GROUP PTY LTD ( Elite Attachments Australia Pty Ltd )

2008313543 HUGHES ASSET GROUP PTY LTD ( Elite Attachments Australia Pty Ltd )

2010328742 HUGHES ASSET GROUP PTY LTD ( Elite Attachments Australia Pty Ltd )

2013211543 HUGHES ASSET GROUP PTY LTD ( Elite Attachments Australia Pty Ltd )

2016225818 HUGHES ASSET GROUP PTY LTD ( Elite Attachments Australia Pty Ltd )

**Mortgages Registered - Section 187, Reg. 19**

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

- 2007229420 Howden Australia Pty Ltd ( JPMorgan Chase Bank, N.A. )
- 2008291818 Howden Alphair Ventilating Systems Inc. ( JPMorgan Chase Bank, N.A. )
- 2012251471 Howden Compressors Limited ( JPMorgan Chase Bank, N.A. )
- 2015258706 Howden Alphair Ventilating Systems Inc. ( JPMorgan Chase Bank, N.A. )

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**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.

2009257602 **AbbVie Inc.**

The earliest first regulatory approval date provided by the patentee 17 Jan 2020

For the goods RINVOQ upadacitinib

Address for service : Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2010326108 **AbbVie Inc.**

The earliest first regulatory approval date provided by the patentee 17 Jan 2020

For the goods RINVOQ upadacitinib

Address for service : Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Applications Refused**

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

1999025389 **Pharma Mar S.A.**

The earliest first regulatory approval date provided by the patentee 12 Dec 2018

For the goods APLIDIN plitidepsin

**Corrigenda**

In Vol 34 , No 7 , Page(s) 1063 under the heading **PCT applications that have entered the National Phase - Name Index** name Regeneration Pharmaceuticals, Inc. Application No. 2018338790, under INID (54) correct the title to read Non-human animals comprising a humanized TTR locus and methods of use

In Vol 34 , No 8 , Page(s) 1174 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Christian M.D. Anderson, Application No. 2018297182, under INID (71) correct the applicant name to Christian Anderson, M.D., under INID (72) correct the co-inventor to ANDERSON, M.D., Christian

In Vol 34 , No 8 , Page(s) 1174 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Christian M.D. Anderson, Application No. 2018297195, under INID (71) correct the applicant name to Christian Anderson, M.D., under INID (72) correct the co-inventor to ANDERSON, M.D., Christian

**Corrigenda**

In Vol 34 , No 8 , Page(s) 1278 under the heading **Applications Accepted - Name Index** Under the name VaxNewMo LLC, Application No.2016224006, under INID (54) correct the title to read Acinetobacter O-oligosaccharyltransferases and uses thereof

In Vol 34 , No 9 , Page(s) 1361 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Genentech, Inc.; F. Hoffmann-La Roche AG, Application No. 2018329925, under INID (71) remove co-applicant Genentech, Inc.

**Specifications Republished**

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

2016212232	<b>Fresenius Kabi Deutschland GmbH</b>
2016389578	<b>Mitsubishi Electric Corporation</b>
2017261532	<b>AG Inc.</b>
2018204126	<b>LG Electronics Inc.</b>