



**Australian Government**

**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



## Contents

### **General Information & Notices**

#### **Amendments**

Applications for Amendment .....	<b>5216</b>
Amendments Made .....	<b>5217</b>
Alteration of Name(s) of Applicant(s)/Patentee(s) .....	<b>5219</b>

#### **Applications Accepted**

Name Index .....	<b>5318</b>
Numerical Index .....	<b>5351</b>
IPC Index .....	<b>5354</b>

#### **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired .....** **5213**

#### **Applications Open to Public Inspection**

Name Index .....	<b>5220</b>
Numerical Index .....	<b>5234</b>
IPC Index .....	<b>5236</b>

#### **Assignments before Grant, Section 113 .....** **5214**

#### **Assignments Registered .....** **5363**

#### **Certified Innovation Patents**

Name Index .....	<b>5359</b>
Numerical Index .....	<b>5360</b>
IPC Index .....	<b>5361</b>

#### **Complete Applications Filed**

Name Index .....	<b>5194</b>
Numerical Index .....	<b>5202</b>

#### **Corrigenda .....** **5363**

#### **Extensions of Time, Section 223 .....** **5215**

**Innovation Patent Applications Filed**

Name Index .....	5204
Numerical Index .....	5211

**Innovation Patents Open to Public Inspection**

Name Index .....	5238
Numerical Index .....	5253
IPC Index .....	5255

**PCT applications which have entered the National Phase**

Name Index .....	5258
Numerical Index .....	5305
IPC Index .....	5310

**Patents Granted .....** 5362**Provisional Applications Filed**

Name Index .....	5190
Numerical Index .....	5193

**Specifications Republished .....** 5364

## *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 No.</u>	<u>ITEM</u>	<u>INID 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 Provisional application <u>number</u>	(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 No.</u>	<u>ITEM</u>	<u>INID 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 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.

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## Proceedings under the Patents Act 1990

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### Provisional Applications Filed

#### Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 8 Jun 2021 .

(71) Aicare health (21) 2021901704      (22) 08.06.2021 (54) AI enabled healthcare E-notes system	(71) AUSTRALIAN DROID & ROBOT PTY LTD (21) 2021901711      (22) 08.06.2021 (54) REMOTELY CONTROLLABLE RESCUE VESSEL	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2021901713      (22) 08.06.2021 (54) Lateral Flow Methods for Detection
(71) Al Rekabi, H. (21) 2021901698      (22) 08.06.2021 (54) New Greener Garbage Bags	(71) Baker, S. (21) 2021901740      (22) 10.06.2021 (54) hoof protector	(71) Commonwealth Scientific and Industrial Research Organisation; Nourish Ingredients Pty Ltd (21) 2021901766      (22) 11.06.2021 (54) Production of saturated fats in microbes
(71) Al Rekabi, H. (21) 2021901741      (22) 10.06.2021 (54) A New Toilet Seat Basin	(71) Biophilia Australia Pty Ltd (21) 2021901693      (22) 07.06.2021 (54) A PLANT CONVEYING SYSTEM	(71) Digital Beer Taps (21) 2021901745      (22) 10.06.2021 (54) Digital Beer Taps
(71) Al Rekabi, H. (21) 2021901742      (22) 10.06.2021 (54) Interactive Sign In	(71) Boyd, A. (21) 2021901709      (22) 08.06.2021 (54) Corner device for improving aerodynamics of vehicles	(71) Dorotich, P. (21) 2021901714      (22) 08.06.2021 (54) Heltech helmet
(71) Amaroo.com Pty Ltd (21) 2021901746      (22) 10.06.2021 (54) System and Method for Decentralised, Scalable, and Secure Consensus between Cooperating Blockchain Systems of Diverse Implementation	(71) Bradken Resources Pty Limited (21) 2021901735      (22) 09.06.2021 (54) Wear Assembly	(71) EnviroGold Global Pty Ltd (21) 2021901724      (22) 09.06.2021 (54) REFRactory GOLD RECOVERY
(71) AMM Product Development (21) 2021901697      (22) 08.06.2021 (54) Dust minimisation pumping and delivery method	(71) Bradken Resources Pty Limited (21) 2021901737      (22) 09.06.2021 (54) Wear Assembly	(71) ETALE PTY LTD (21) 2021901754      (22) 10.06.2021 (54) Monitoring System
(71) Anchique Pty Ltd (21) 2021901763      (22) 11.06.2021 (54) A COMBINATION DRILL BIT AND BIT DRIVER DEVICE	(71) Bradken Resources Pty Limited (21) 2021901738      (22) 09.06.2021 (54) Wear Assembly	(71) Evolve Skateboards Pty Ltd (21) 2021901743      (22) 10.06.2021 (54) AN ELECTRIC SKATEBOARD
(71) Aussie Ag Products Pty Ltd (21) 2021901759      (22) 11.06.2021 (54) Cutting Tool Handling Assembly	(71) Castle International Trading Pty Ltd (21) 2021901705      (22) 08.06.2021 (54) Scrum machine	(71) Gamma Logistics Pty Ltd (21) 2021901747      (22) 10.06.2021 (54) A Vehicle for Transporting an Agricultural Implement
	(71) CK Cell Technologies Pty Ltd (21) 2021901708      (22) 08.06.2021 (54) Use of mesenchymal stem cells and products thereof	(71) Gangi, R. (21) 2021901694      (22) 07.06.2021 (54) UV-C infection control for Alternative Quarantine Accommodation Hub Brochure

## Provisional Applications Filed - Name Index cont'd

(71) Garvan Institute of Medical Research  
 (21) 2021901716 (22) 08.06.2021  
 (54) Antigen binding proteins against SARS-CoV-2

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(71) Gaskell, R.  
 (21) 2021901703 (22) 08.06.2021  
 (54) Trolley with brakes

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(71) GoNanny  
 (21) 2021901712 (22) 08.06.2021  
 (54) GoNanny IOS and Android application owned by A-1 Nanny Care Australia Pty Ltd

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(71) HENRY, S.; PARKER, S.  
 (21) 2021901757 (22) 11.06.2021  
 (54) LIPIDATED POLYPEPTIDES

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(71) Houmaisi, M.  
 (21) 2021901762 (22) 11.06.2021  
 (54) A CABLE MANAGEMENT DEVICE

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(71) Internet 2.0 Pty Limited  
 (21) 2021901725 (22) 09.06.2021  
 (54) Systems, methods and devices for secure communication

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(71) James Cook University; The Flinders University of South Australia  
 (21) 2021901752 (22) 10.06.2021  
 (54) Method for producing graphene

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(71) JAY FAK UNIVERSE HOLDINGS Pty Ltd  
 (21) 2021901699 (22) 08.06.2021  
 (54) Non-alcoholic antimicrobial hand purifier

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(71) Kovalev, S.  
 (21) 2021901717 (22) 09.06.2021  
 (54) BACTERIAL PARTICLE AND USE THEREOF

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(71) Langham, S.  
 (21) 2021901715 (22) 08.06.2021  
 (54) Body harness gait aid

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(71) Lee, J.R.  
 (21) 2021901718 (22) 09.06.2021  
 (54) Buoyancy Control Device

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(71) Mackay Sim, R.  
 (21) 2021901695 (22) 07.06.2021  
 (54) Positional Indicator

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(71) Magellan Stem Cells Pty Ltd  
 (21) 2021901726 (22) 09.06.2021  
 (54) Cell line selected for therapeutic efficacy and related compositions and methods

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(71) Magellan Stem Cells Pty Ltd  
 (21) 2021901727 (22) 09.06.2021  
 (54) Cell line 2 selected for therapeutic efficacy and related compositions and methods

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(71) Magellan Stem Cells Pty Ltd  
 (21) 2021901728 (22) 09.06.2021  
 (54) Cell line 3 selected for therapeutic efficacy and related compositions and methods

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(71) McGrath, G.  
 (21) 2021901690 (22) 07.06.2021  
 (54) IMPROVED DOOR LOCK SYSTEM

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(71) Membrane Systems Australia Pty Ltd  
 (21) 2021901696 (22) 07.06.2021  
 (54) PROCESSES FOR RECOVERING PFAS FROM SOLID SORBENTS

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(71) Monash University  
 (21) 2021901749 (22) 10.06.2021  
 (54) A METHOD AND CELL FOR REDUCING DINITROGEN TO AMMONIA

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(71) Monash University  
 (21) 2021901750 (22) 10.06.2021  
 (54) A METHOD OF CONTINUOUS ELECTROCHEMICAL DINITROGEN REDUCTION

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(71) NewSouth Innovations Pty Limited  
 (21) 2021901702 (22) 08.06.2021  
 (54) Hydrogen storage

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(71) NewSouth Innovations Pty Limited  
 (21) 2021901744 (22) 10.06.2021  
 (54) Polymer / graphene oxide nanocomposite foams

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Nourish Ingredients Pty Ltd see Commonwealth Scientific and Industrial Research Organisation  
 (21) 2021901766

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(71) Pakinax Pty Ltd  
 (21) 2021901701 (22) 08.06.2021  
 (54) Compounds for therapy of viral conditions

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PARKER, S. see HENRY, S.  
 (21) 2021901757

(71) Pearce, D.  
 (21) 2021901756 (22) 11.06.2021  
 (54) Portable enclosure to provide air separation to the door of rooms used for quarantine or isolation

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(71) Pinch Labs Pty Ltd  
 (21) 2021901700 (22) 08.06.2021  
 (54) A Method and System for Extracting and Contextualizing Text

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(71) Quantum Servo Pumping Technologies Pty Ltd  
 (21) 2021901751 (22) 10.06.2021  
 (54) Pumps and components therefor

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(71) ResMed Pty Ltd  
 (21) 2021901765 (22) 11.06.2021  
 (54) FULL-FACE MASK WITH FORCE DECOUPLING

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(71) Resources Unity Enterprise Pty Ltd  
 (21) 2021901710 (22) 08.06.2021  
 (54) Wear liner assembly

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(71) Saban Ventures Pty Limited  
 (21) 2021901729 (22) 09.06.2021  
 (54) Systems and methods for cleaning a medical device having a lumen using abrasive fluidic compositions

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(71) Saban Ventures Pty Limited  
 (21) 2021901732 (22) 09.06.2021  
 (54) Synergistic cleaning systems and methods for medical devices having a lumen

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(71) Saban Ventures Pty Limited  
 (21) 2021901734 (22) 09.06.2021  
 (54) Systems and methods for the identification, evaluation, and/or closed-loop cleaning of lumens

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(71) SDIP HOLDINGS PTY LTD  
 (21) 2021901758 (22) 11.06.2021  
 (54) PREDICTION OF HUMAN SUBJECT STATE VIA HYBRID APPROACH INCLUDING AI CLASSIFICATION AND BLEPHAROMETRIC ANALYSIS, INCLUDING DRIVER MONITORING SYSTEMS

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(71) SenSen Networks Group Pty Ltd  
 (21) 2021901753 (22) 10.06.2021  
 (54) Gaming Activity Monitoring Systems and Methods

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(71) Sinclair, P.D.  
 (21) 2021901748 (22) 03.06.2021  
 (54) Contract Cost Control System/CCCS

**Provisional Applications Filed - Name Index cont'd**

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(71) Straus, R.  
(21) 2021901730      (22) 09.06.2021  
(54) Traffic Control Green Light Alert System  
                          (TC GLAS)

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(71) SYNERGETICS PTY LTD  
(21) 2021901755      (22) 10.06.2021  
(54) VENTILATING DEVICES

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**The Flinders University of South Australia**  
see **James Cook University**  
(21) 2021901752

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(71) The University of Adelaide  
(21) 2021901707      (22) 08.06.2021  
(54) FOOD COMPOSITION

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(71) The University of Newcastle; UniQuest  
Pty Limited  
(21) 2021901692      (22) 07.06.2021  
(54) Diagnostic marker for functional  
gastrointestinal disorders

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(71) The University of Queensland  
(21) 2021901736      (22) 09.06.2021  
(54) Systems and uses thereof

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(71) Trihey, A.  
(21) 2021901719      (22) 09.06.2021  
(54) SWHEBE Horizontal

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(71) Trihey, A.  
(21) 2021901720      (22) 09.06.2021  
(54) SWHEBE Internal 1

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(71) Trihey, A.  
(21) 2021901721      (22) 09.06.2021  
(54) SWHEBE External

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(71) Trihey, A.  
(21) 2021901722      (22) 09.06.2021  
(54) SWHEBE Vertical Internal 2

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(71) Truffet, D.  
(21) 2021901691      (22) 07.06.2021  
(54) LOCK STRUCTURE AND METHOD  
OF PROTECTION

---

(71) Turnbull, L.  
(21) 2021901760      (22) 11.06.2021  
(54) A DUCT COUPLING ARRANGEMENT  
AND ASSOCIATED METHOD

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**UniQuest Pty Limited** see **The University of  
Newcastle**  
(21) 2021901692

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(71) University of South Australia  
(21) 2021901706      (22) 08.06.2021  
(54) IMPROVEMENTS IN OPTICAL DATA  
STORAGE

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(71) Virex Pharma Ltd  
(21) 2021901731      (22) 09.06.2021  
(54) Inhalation formulation for the treatment  
of respiratory viral infections

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(71) Virex Pharma Ltd  
(21) 2021901733      (22) 09.06.2021  
(54) Nanoemulsion nasal spray formulation  
for treatment of viral infections

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(71) White, G.  
(21) 2021901723      (22) 09.06.2021  
(54) Vehicle having an incorporated convey-  
or

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(71) Willey, D.  
(21) 2021901739      (22) 10.06.2021  
(54) Portable Device for Eliminating Noxious  
Gases

**Numerical Index**

2021901690	McGrath, G.	2021901756	Pearce, D.
2021901691	Truffet, D.	2021901757	HENRY, S.; PARKER, S.
2021901692	The University of Newcastle; UniQuest Pty Limited	2021901758	SDIP HOLDINGS PTY LTD
2021901693	Biophilia Australia Pty Ltd	2021901759	Aussie Ag Products Pty Ltd
2021901694	Gangi, R.	2021901760	Turnbull, L.
2021901695	Mackay Sim, R.	2021901762	Houmaisi, M.
2021901696	Membrane Systems Australia Pty Ltd	2021901763	Anchique Pty Ltd
2021901697	AMM Product Development	2021901765	ResMed Pty Ltd
2021901698	Al Rekabi, H.	2021901766	Commonwealth Scientific and Industrial Research Organisation; Nourish Ingredients Pty Ltd
2021901699	JAY FAK UNIVERSE HOLDINGS Pty Ltd		
2021901700	Pinch Labs Pty Ltd		
2021901701	Pakinax Pty Ltd		
2021901702	NewSouth Innovations Pty Limited		
2021901703	Gaskell, R.		
2021901704	Aicare health		
2021901705	Castle International Trading Pty Ltd		
2021901706	University of South Australia		
2021901707	The University of Adelaide		
2021901708	CK Cell Technologies Pty Ltd		
2021901709	Boyd, A.		
2021901710	Resources Unity Enterprise Pty Ltd		
2021901711	AUSTRALIAN DROID & ROBOT PTY LTD		
2021901712	GoNanny		
2021901713	Commonwealth Scientific and Industrial Research Organisation		
2021901714	Dorotich, P.		
2021901715	Langham, S.		
2021901716	Garvan Institute of Medical Research		
2021901717	Kovalev, S.		
2021901718	Lee, J.R.		
2021901719	Trihey, A.		
2021901720	Trihey, A.		
2021901721	Trihey, A.		
2021901722	Trihey, A.		
2021901723	White, G.		
2021901724	EnviroGold Global Pty Ltd		
2021901725	Internet 2.0 Pty Limited		
2021901726	Magellan Stem Cells Pty Ltd		
2021901727	Magellan Stem Cells Pty Ltd		
2021901728	Magellan Stem Cells Pty Ltd		
2021901729	Saban Ventures Pty Limited		
2021901730	Straus, R.		
2021901731	Virex Pharma Ltd		
2021901732	Saban Ventures Pty Limited		
2021901733	Virex Pharma Ltd		
2021901734	Saban Ventures Pty Limited		
2021901735	Bradken Resources Pty Limited		
2021901736	The University of Queensland		
2021901737	Bradken Resources Pty Limited		
2021901738	Bradken Resources Pty Limited		
2021901739	Willey, D.		
2021901740	Baker, S.		
2021901741	Al Rekabi, H.		
2021901742	Al Rekabi, H.		
2021901743	Evolve Skateboards Pty Ltd		
2021901744	NewSouth Innovations Pty Limited		
2021901745	Digital Beer Taps		
2021901746	Amaroo.com Pty Ltd		
2021901747	Gamma Logistics Pty Ltd		
2021901748	Sinclair, P.D.		
2021901749	Monash University		
2021901750	Monash University		
2021901751	Quantum Servo Pumping Technologies Pty Ltd		
2021901752	James Cook University; The Flinders University of South Australia		
2021901753	SenSen Networks Group Pty Ltd		
2021901754	ETALE PTY LTD		
2021901755	SYNERGETICS PTY LTD		

**Complete Applications Filed****Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 8 Jun 2021 .

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

(71) A&H Japan Corporation (21) 2021203602      (22) 02.06.2021 (54) Method for recovering valuables (31) 2020-100885      (32) 10.06.20 (33) JP	(71) Apple Inc. (21) 2021203636      (22) 03.06.2021 (54) Activity and workout updates (62) 2017277971	(71) BASSO, S. see MAZZEI, M. (21) 2021203613
(71) ABB Power Grids Switzerland AG (21) 2021203476      (22) 27.05.2021 (54) Nested microgrid control system (62) 2018261510	(71) Apple Inc. (21) 2021203669      (22) 04.06.2021 (54) Methods and interfaces for home media control (62) 2019268111	(71) Bayer Aktiengesellschaft see Bayer Pharma Aktiengesellschaft (21) 2021203572
(71) ABUS August Bremicker Söhne KG (21) 2021203616      (22) 03.06.2021 (54) PORTABLE ELECTRONIC LOCK (31) 102020116008.9      (32) 17.06.20 (33) DE	(71) ARB Corporation Limited (21) 2021203576      (22) 01.06.2021 (54) Assembly for securing electrical wiring through a roof of a vehicle	(71) Bayer Pharma Aktiengesellschaft; Bayer Aktiengesellschaft (21) 2021203572      (22) 01.06.2021 (54) Substituted diazahetero-bicyclic compounds and their use (62) 2017298421
(71) Acres Technology (21) 2021203424      (22) 26.05.2021 (54) Method and Apparatus for Generating a Virtual Win (62) 2019206080	(71) Aristocrat Technologies, Inc. (21) 2021203475      (22) 27.05.2021 (54) Electronic Gaming Machine and Method with Transformable Grid Pick Selections and Multi-State Reveal Mechanics (31) 16/885,201      (32) 27.05.20 (33) US	(71) Becton, Dickinson and Company (21) 2021203524      (22) 31.05.2021 (54) Spacer assembly for drug delivery device (62) 2018350899
(71) Acres Technology (21) 2021203570      (22) 01.06.2021 (54) Generating a Score Related to Play on Gaming Devices (62) 2019210576	(71) Aristocrat Technologies, Inc. (21) 2021203498      (22) 28.05.2021 (54) SYSTEMS AND TECHNIQUES FOR WAGER-ASSOCIATED PARAMETER CONTROL GRAPHICAL STATE MANAGEMENT (31) 15/929,911      (32) 28.05.20 (33) US	(71) Becton, Dickinson and Company (21) 2021203591      (22) 02.06.2021 (54) Universal single-use cap for male and female connectors (62) 2019253677
(71) Advanced New Technologies Co., Ltd. (21) 2021203493      (22) 28.05.2021 (54) Business verification method and apparatus (62) 2018225736	(71) Aristocrat Technologies, Inc. (21) 2021203500      (22) 28.05.2021 (54) INTEGRATING A WHEEL BETWEEN REELS OF A SLOT GAME (31) 16/886,185      (32) 28.05.20 (33) US	(71) Bioniz, LLC (21) 2021203530      (22) 31.05.2021 (54) Modulating gamma - c -cytokine activity (62) 2020201174
(71) Afiniti Europe Technologies Limited (21) 2021203487      (22) 28.05.2021 (54) TECHNIQUES FOR BEHAVIORAL PAIRING IN A CONTACT CENTER SYSTEM (62) 2019210594	(71) Auris Health, Inc. (21) 2021203525      (22) 31.05.2021 (54) Navigation of tubular networks (62) 2016323982	(71) BioNTech Cell & Gene Therapies GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; Ganymed Pharmaceuticals GmbH (21) 2021203528      (22) 31.05.2021 (54) CLAUDIN-6-SPECIFIC IMMUNORECEPTORS AND T CELL EPITOPEs (62) 2019210582
(71) Allshelter Holdings Pty Ltd (21) 2021203539      (22) 31.05.2021 (54) Collapsible Structural Support for Storage Module	(71) AVEO Pharmaceuticals, Inc. (21) 2021203523      (22) 31.05.2021 (54) Treatment of chronic kidney disease and other renal dysfunction using a GDF15 modulator (62) 2015276800	(71) Board of Regents, The University of Texas System (21) 2021203606      (22) 02.06.2021 (54) Selection methods for genetically-modified T cells (62) 2016222850
(71) Apple Inc. (21) 2021203518      (22) 31.05.2021 (54) User activity shortcut suggestions (62) 2020203280	(71) Barjoh Pty Ltd (21) 2021203596      (22) 02.06.2021 (54) Retrieval Trailer (62) 2015203106	(71) BP Corporation North America Inc. (21) 2021203520      (22) 31.05.2021

## Complete Applications Filed - Name Index cont'd

(54) Seismic acquisition method  
 (62) 2015355142

(71) Canva Pty Ltd  
 (21) 2021203578 (22) 01.06.2021  
 (54) Systems and methods for converting embedded font text data

(71) Cartiva, Inc.  
 (21) 2021203503 (22) 28.05.2021  
 (54) A kit for treating bone tissue  
 (62) 2020202561

(71) CATERPILLAR GLOBAL MINING LLC  
 (21) 2021203459 (22) 27.05.2021  
 (54) MACHINE AND WALKING ASSEMBLY FOR MACHINE  
 (31) 16/899,938 (32) 12.06.20 (33) US

(71) CB Therapeutics, Inc.  
 (21) 2021203593 (22) 02.06.2021  
 (54) ANTI-PD-L1 ANTIBODIES  
 (62) 2015301126

(71) Cedars-Sinai Medical Center  
 (21) 2021203597 (22) 02.06.2021  
 (54) Cardiosphere-derived cells and exosomes secreted by such cells in the treatment of muscular dystrophy  
 (62) 2015327812

(71) Celgene Corporation; Washington University  
 (21) 2021203571 (22) 01.06.2021  
 (54) Treatment of cardiovascular disease using ActRII ligand traps  
 (62) 2015339786

(71) Cell Design Labs, Inc.  
 (21) 2021203626 (22) 03.06.2021  
 (54) Chimeric polypeptides and methods of altering their localisation in the cell membrane  
 (62) 2018244592

(71) Cerecin Inc.  
 (21) 2021203468 (22) 27.05.2021  
 (54) Pharmaceutical compositions having high drug loadings of medium chain triglycerides and methods related thereto  
 (62) 2018236349

(71) CHIANG, C.  
 (21) 2021203478 (22) 27.05.2021  
 (54) MALE EXTERNAL URINE COLLECTION DEVICE  
 (31) 109121562 (32) 24.06.20 (33) TW

(71) Chipcare Corporation  
 (21) 2021203651 (22) 04.06.2021

(54) Multiplex bead array assay  
 (62) 2015352119

(71) CIJ ENGINEERED PTY LTD  
 (21) 2021203426 (22) 26.05.2021  
 (54) IMPROVEMENTS RELATING TO PIVOT PINS FOR REVOLUTE JOINTS  
 (31) 2020901821 (32) 03.06.20 (33) AU

(71) Citrix Systems, Inc.  
 (21) 2021203637 (22) 03.06.2021  
 (54) Synchronization of data between local and remote computing environment buffers  
 (31) PCT/ CN2020/094259 (32) 04.06.20 (33) CN

(71) Clean World Technologies Ltd.  
 (21) 2021203491 (22) 28.05.2021  
 (54) PRODUCING CALCIUM PHOSPHATE COMPOSITIONS  
 (62) 2016327184

(71) Clearview Property Management Pty Ltd  
 (21) 2021203477 (22) 27.05.2021  
 (54) ASSEMBLY FOR ATTACHING A REAR VIEW MIRROR TO A VEHICLE  
 (31) 2020901741 (32) 27.05.20 (33) AU

(71) Commonwealth Scientific and Industrial Research Organisation  
 (21) 2021203511 (22) 28.05.2021  
 (54) Activity capability monitoring  
 (62) 2016322016

(71) Commonwealth Scientific and Industrial Research Organisation  
 (21) 2021203633 (22) 03.06.2021  
 (54) METAL ORGANIC FRAMEWORK BASED WATER CAPTURE APPARATUS  
 (62) 2019321697

(71) Corning Optical Communications LLC  
 (21) 2021203639 (22) 03.06.2021  
 (54) OPTICAL COMMUNICATION CABLE  
 (62) 2019232892

(71) Cotton Seed Distributors Ltd  
 (21) 2021203604 (22) 02.06.2021  
 (54) METHOD AND SYSTEM FOR MONITORING A COTTON CROP  
 (31) 2021900656 (32) 09.03.21 (33) AU

(71) Coupang Corp.  
 (21) 2021203610 (22) 02.06.2021  
 (54) Systems and methods for providing restock notifications using a batch framework  
 (62) 2020266307

(71) CROWN EQUIPMENT CORPORATION  
 (21) 2021203454 (22) 27.05.2021

(54) Tracking industrial vehicle operator quality  
 (62) 2019240632

(71) Culligan International Company  
 (21) 2021203580 (22) 01.06.2021  
 (54) Water filter cartridge and head having keyed engagement  
 (31) 63/035,085 (32) 05.06.20 (33) US

(71) Daikin Industries, Ltd.  
 (21) 2021203629 (22) 03.06.2021  
 (54) Product identification system  
 (62) 2018269613

(71) Deere & Company; Iowa State University Research Foundation, Inc.  
 (21) 2021203517 (22) 31.05.2021  
 (54) Implement mounted sensors sensing surface/furrow characteristics and control  
 (31) 16/918,293 (32) 01.07.20 (33) US

(71) Deere & Company  
 (21) 2021203641 (22) 03.06.2021  
 (54) Measurement of seeder cart tank contents  
 (31) 202021028378 (32) 03.07.20 (33) IN

(71) DeeWeed Pty Ltd  
 (21) 2021203499 (22) 28.05.2021  
 (54) Device for inhibiting weed growth in a pot

(71) DePuy Synthes Products, Inc.  
 (21) 2021203464 (22) 27.05.2021  
 (54) Systems and methods for intra-operative image analysis  
 (62) 2016371212

(71) Dolby International AB  
 (21) 2021203484 (22) 28.05.2021  
 (54) Method and device for rendering an audio soundfield representation for audio playback  
 (62) 2019201900

(71) EARTH SYSTEMS CONSULTING PTY LTD.  
 (21) 2021203638 (22) 03.06.2021  
 (54) CONTINUOUS PROCESS PYROLYSIS SYSTEM

(71) Elite Diesel Tech Pty Ltd  
 (21) 2021203472 (22) 27.05.2021  
 (54) Pressure Relief Valve  
 (31) 2020901787 (32) 01.06.20 (33) AU

## Complete Applications Filed - Name Index cont'd

- (71) Enlivex Therapeutics Ltd.  
 (21) 2021203382 (22) 25.05.2021  
 (54) Therapeutic pooled blood apoptotic cell preparations and uses thereof  
 (62) 2016250570
- 
- (71) Erasmus University Medical Center Rotterdam  
 (21) 2021203620 (22) 03.06.2021  
 (54) Methods, reagents and kits for flow cytometric immunophenotyping  
 (62) 2019202353
- 
- (71) Eteros Technologies Inc.  
 (21) 2021203488 (22) 28.05.2021  
 (54) Plant trimming apparatus and methods  
 (62) 2018355904
- 
- (71) Eteros Technologies Inc.  
 (21) 2021203489 (22) 28.05.2021  
 (54) Plant trimming apparatus and methods  
 (62) 2018355904
- 
- (71) EVERETT, T.R.  
 (21) 2021203684 (22) 04.06.2021  
 (54) DOOR LEAF AND METHOD OF CONSTRUCTION  
 (31) 2020901868 (32) 05.06.20 (33) AU
- 
- (71) Evonik Operations GmbH  
 (21) 2021203448 (22) 27.05.2021  
 (54) Device and process for producing hydrogen peroxide by an anthraquinone process  
 (31) 20177047.6 (32) 28.05.20 (33) EP
- 
- (71) F. Hoffman-La Roche AG  
 (21) 2021203482 (22) 28.05.2021  
 (54) Phenyl derivatives as cannabinoid receptor 2 agonists  
 (62) 2016368475
- 
- (71) Fate Therapeutics, Inc.  
 (21) 2021203480 (22) 28.05.2021  
 (54) Cells with increased immuno-regulatory properties and methods for their use and manufacture  
 (62) 2016211688
- 
- (71) Fiserv, Inc.  
 (21) 2021203509 (22) 28.05.2021  
 (54) Hardware device for entering a PIN via tapping on a touch screen display  
 (31) 17/330,287 (32) 25.05.21 (33) US  
 63/034,276 03.06.20 US
- 
- (71) Fisher & Paykel Healthcare Limited  
 (21) 2021203546 (22) 01.06.2021  
 (54) VALVE WITH INTERNAL MEMBER  
 (62) 2019204816
- 
- (71) Foundation Medicine, Inc.; Genentech, Inc.  
 (21) 2021203640 (22) 03.06.2021  
 (54) Methods and systems for evaluating tumor mutational burden  
 (62) 2017225876
- 
- (71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.  
 (21) 2021203677 (22) 04.06.2021  
 (54) Apparatus and methods for processing an audio signal  
 (62) 2018246838
- 
- (71) FRINGERO, B.  
 (21) 2021203372 (22) 25.05.2021  
 (54) Advertising apparatus  
 (62) 2016275327
- 
- (71) FUNDACIO INSTITUT DE RECERCA BIOMEDICA (IRB BARCELONA); INSTITUCIO CATALANA DE RECERCA I ESTUDIS AVANCATS  
 (21) 2021203599 (22) 02.06.2021  
 (54) METHOD FOR THE DIAGNOSIS, PROGNOSIS AND TREATMENT OF BREAST CANCER METASTASIS  
 (62) 2019201493
- 
- Ganymed Pharmaceuticals GmbH see BioNTech Cell & Gene Therapies GmbH**  
 (21) 2021203528
- 
- Gateway Autoart Japan Corporation see Gateway Autoart Limited**  
 (21) 2021203453
- 
- (71) Gateway Autoart Limited; Gateway Autoart Japan Corporation  
 (21) 2021203453 (22) 27.05.2021  
 (54) Car type model  
 (31) 202011145633.3 (32) 23.10.20 (33) CN
- 
- Genentech, Inc. see Foundation Medicine, Inc.**  
 (21) 2021203640
- 
- (71) Generic Crop Science LLC; McClinton, S.R.  
 (21) 2021203642 (22) 03.06.2021  
 (54) A combination comprising a benzamide herbicide and a pyridine carboxylic acid herbicide and a method for making and using the combination  
 (31) 63/034,082 (32) 03.06.20 (33) US
- 
- (71) Genzyme Corporation  
 (21) 2021203458 (22) 27.05.2021  
 (54) Site-specific antibody-drug conjugation through glycoengineering  
 (62) 2018282451
- 
- (71) GlaxoSmithKline Intellectual Property Development Limited  
 (21) 2021203650 (22) 04.06.2021  
 (54) Chemical compounds  
 (62) 2018344926
- 
- (71) Globe (Jiangsu) Co., Ltd.  
 (21) 2021203817 (22) 09.06.2021  
 (54) BATTERY PACK POWER SUPPLY SYSTEM AND BATTERY PACK POWER SUPPLY METHOD  
 (31) 202010516894.5 (32) 09.06.20 (33) CN
- 
- (71) Glory Ltd.  
 (21) 2021203510 (22) 28.05.2021  
 (54) Money handling apparatus and money handling method  
 (31) 2020-097185 (32) 03.06.20 (33) JP
- 
- (71) Google LLC  
 (21) 2021203601 (22) 02.06.2021  
 (54) METHOD AND DEVICE FOR PROCESSING MOTION EVENTS  
 (62) 2019268179
- 
- (71) Google LLC  
 (21) 2021203607 (22) 02.06.2021  
 (54) TRAINING QUANTUM EVOLUTIONS USING SUBLOGICAL CONTROLS  
 (62) 2019283845
- 
- (71) Gradiant Corporation  
 (21) 2021203648 (22) 03.06.2021  
 (54) SELECTIVE SCALING IN DESALINATION WATER TREATMENT SYSTEMS AND ASSOCIATED METHODS  
 (62) 2015335966
- 
- (71) Halliburton Energy Services, Inc.  
 (21) 2021203534 (22) 31.05.2021  
 (54) Multi-segmented plug  
 (62) 2015415124
- 
- (71) Hanwha Azdel, Inc.  
 (21) 2021203545 (22) 01.06.2021  
 (54) PREPREGS, CORES AND COMPOSITE ARTICLES INCLUDING EXPANDABLE GRAPHITE MATERIALS  
 (62) 2015346352
- 
- (71) Hanwha Defense Co., Ltd.  
 (21) 2021203586 (22) 01.06.2021  
 (54) Caterpillar changing apparatus  
 (31) 10-2021-0009095 (32) 22.01.21 (33) KR
- 
- (71) Havah Therapeutics Pty Ltd  
 (21) 2021203614 (22) 02.06.2021  
 (54) Methods of reducing mammographic breast density and/or breast cancer risk  
 (62) 2015336929

## Complete Applications Filed - Name Index cont'd

(71) HONEYWELL INTERNATIONAL INC.  
 (21) 2021203457 (22) 27.05.2021  
 (54) DEVICES, SYSTEMS, AND METHODS FOR ASSESSING FACILITY  
 (31) 63/042,389 (32) 22.06.20 (33) US 07.05.21 US  
 17/314,565

(71) HOWMEDICA OSTEONICS CORP.  
 (21) 2021203588 (22) 02.06.2021  
 (54) INTERCALARY ENDOPROSTHESIS  
 (31) 63/034,147 (32) 03.06.20 (33) US

(71) Huawei Technologies Co., Ltd.  
 (21) 2021203630 (22) 03.06.2021  
 (54) Verification code obtaining method and apparatus, and terminal  
 (62) 2020200074

(71) Hubei Huinong Biological Technology Co., Ltd.  
 (21) 2021203587 (22) 01.06.2021  
 (54) AUTOMATIC SEWAGE TREATMENT SYSTEM AND PREPARATION METHOD OF BIOLOGICAL CARRIER  
 (31) 202010495072.3 (32) 03.06.20 (33) CN 202010615144.3 30.06.20 CN

(71) HUNTER PACIFIC INTERNATIONAL PTY LTD  
 (21) 2021203521 (22) 31.05.2021  
 (54) PIVOT MECHANISM FOR CEILING FAN  
 (31) 2020903418 (32) 23.09.20 (33) AU

(71) iCell Gene Therapeutics, LLC  
 (21) 2021203481 (22) 28.05.2021  
 (54) Chimeric antigen receptors (CARs), compositions and methods of use thereof  
 (62) 2016283102

(71) Illumina, Inc.  
 (21) 2021203485 (22) 28.05.2021  
 (54) Image Sensor Structure  
 (62) 2018397303

(71) Illumina, Inc.  
 (21) 2021203538 (22) 31.05.2021  
 (54) Deep learning-based framework for identifying sequence patterns that cause sequence-specific errors (SSEs)  
 (62) 2019272065

(71) Incyte Corporation  
 (21) 2021203438 (22) 26.05.2021  
 (54) HETEROCYCLIC COMPOUNDS AS IMMUNOMODULATORS  
 (62) 2016379372

Inovio Pharmaceuticals, Inc. see The Trustees of the University of Pennsylvania  
 (21) 2021203643

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INSTITUCIO CATALANA DE RECERCA I ESTUDIS AVANCATS see FUNDACIO INSTITUT DE RECERCA BIOMEDICA (IRB BARCELONA)  
 (21) 2021203599

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(71) Intuit, Inc.  
 (21) 2021203598 (22) 02.06.2021  
 (54) Systems and mechanism to control the lifetime of an access token dynamically based on access token use  
 (62) 2018255252

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(71) Intuit Inc.  
 (21) 2021203646 (22) 03.06.2021  
 (54) Method and system for automatically extracting relevant tax terms from forms and instructions  
 (62) 2017296408

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(71) Ioannou, M.  
 (21) 2021203516 (22) 30.05.2021  
 (54) Customer service system process Ask, Reach,Meet (ARM) & Handed Out The Door (HOTD).

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Iowa State University Research Foundation, Inc. see Deere & Company  
 (21) 2021203517

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(71) Jetoptera, Inc.  
 (21) 2021203495 (22) 28.05.2021  
 (54) Fluidic propulsive system  
 (62) 2016338383

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(71) Johnson & Johnson Consumer Inc.  
 (21) 2021203531 (22) 31.05.2021  
 (54) Methods for enhancing topical application of a benefit agent  
 (62) 2016326439

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(71) Johnson & Johnson Consumer Inc.  
 (21) 2021203675 (22) 04.06.2021  
 (54) Devices and methods for enhancing the topical application of a benefit agent  
 (62) 2016326434

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(71) KA'ANA WAVE COMPANY INC.  
 (21) 2021203589 (22) 02.06.2021  
 (54) WAVE PRODUCING METHOD AND APPARATUS  
 (62) 2017356342

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(71) Kaleido Biosciences, Inc.  
 (21) 2021203605 (22) 02.06.2021  
 (54) Glycan therapeutics and related methods thereof  
 (62) 2016212030

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(71) Komatsu Ltd.  
 (21) 2021203463 (22) 27.05.2021  
 (54) Construction site management device, output device, and construction site management  
 (62) 2018305080

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(71) LAA INDUSTRIES PTY LTD  
 (21) 2021203584 (22) 01.06.2021  
 (54) Electromechanical method for producing variable voltage, variable frequency (VVVF) power supply for varying the speed of AC motors  
 (62) 2019203740

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(71) Lanxess Deutschland GmbH  
 (21) 2021203644 (22) 03.06.2021  
 (54) Caps with safety function for prevention of excessive pressure  
 (31) 20178455.0 (32) 05.06.20 (33) EP

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(71) Lemaar Vision Electronics Pty Ltd  
 (21) 2021203513 (22) 28.05.2021  
 (54) Door Lock and Handle  
 (31) 2020901750 (32) 28.05.20 (33) AU

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(71) Lexx Technologies Pty Ltd  
 (21) 2021203456 (22) 27.05.2021  
 (54) Computer-Implemented Method of Providing Maintenance Instructions for Servicing Equipment  
 (31) 63/031,751 (32) 29.05.20 (33) US

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(71) LG Electronics Inc.  
 (21) 2021203444 (22) 26.05.2021  
 (54) Cleaning apparatus  
 (62) 2019271879

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(71) LG ELECTRONICS INC.  
 (21) 2021203494 (22) 28.05.2021  
 (54) REFRIGERATOR  
 (31) 10-2020-0064229 (32) 28.05.20 (33) KR 10-2020-0065624 01.06.20 KR

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(71) LG ELECTRONICS INC.  
 (21) 2021203600 (22) 02.06.2021  
 (54) MOTOR AND MANUFACTURING METHOD OF THE SAME  
 (62) 2019213352

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(71) LG ELECTRONICS INC.  
 (21) 2021203612 (22) 02.06.2021  
 (54) LAUNDRY TREATING APPARATUS  
 (62) 2019271949

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(71) LG ELECTRONICS INC.  
 (21) 2021203621 (22) 03.06.2021  
 (54) REFRIGERATOR WITH A HIDDEN DISPLAY  
 (31) 10-2020-0067098 (32) 03.06.20 (33) KR

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## Complete Applications Filed - Name Index cont'd

(71) Lowrie, H. (21) 2021203595 (54) Formwork	(22) 02.06.2021	(54) CATHETER LOCKING SOLUTION AND CATHETER LOCKING THERAPY (62) 2017217011	(54) Compositions comprising naphthyridine derivatives and aluminium adjuvant for use in treating solid tumors (62) 2018268420
(71) Lumachain Pty Ltd (21) 2021203446 (54) Method and system for compliance monitoring (31) 2020904140	(22) 27.05.2021 (32) 12.11.20 (33) AU	(71) Meinan Machinery Works, Inc. (21) 2021203608 (22) 02.06.2021 (54) Defect inspection system, defect inspection method, and defect inspection program for wood plank (31) PCT/JP2020/030797 (32) 13.08.20 (33) WO	(71) Novartis AG; The Trustees of the University of Pennsylvania (21) 2021203566 (22) 01.06.2021 (54) Buffers for stabilization of lentiviral preparations (62) 2016355323
(71) Lumenis Ltd (21) 2021203575 (54) Apparatus And Method For Reducing Laser Beam Attenuation In A Liquid Medium (62) 2017278147	(22) 01.06.2021	(71) Micro Motion, Inc. (21) 2021203535 (22) 31.05.2021 (54) A NOTCH FILTER IN A VIBRATORY FLOW METER (62) 2017418298	(71) NovAtel Inc. (21) 2021203430 (22) 26.05.2021 (54) System and method for dead reckoning for marine positioning applications (31) 16/903,847 (32) 17.06.20 (33) US
(71) Magic Leap, Inc. (21) 2021203635 (54) Collimating fiber scanner design with inward pointing angles in virtual/augmented reality system (62) 2016296723	(22) 03.06.2021	(71) Miles, S. (21) 2021203462 (22) 27.05.2021 (54) ELEVATING STORAGE APPARATUS (62) 2019208179	(71) NuVasive, Inc. (21) 2021203401 (22) 25.05.2021 (54) SYSTEMS AND METHODS FOR SPINAL CORRECTION SURGICAL PLANNING (62) 2017225796
(71) Makita Corporation (21) 2021203429 (54) Communication device, communication system, and communication method (31) 2020-092195	(22) 26.05.2021 (32) 27.05.20 (33) JP	(71) ModernaTX, Inc. (21) 2021203492 (22) 28.05.2021 (54) NUCLEIC ACID VACCINES (62) 2015249553	(71) O.E. & D.R. POPE PTY. LTD. (21) 2021203647 (22) 03.06.2021 (54) A reinforced bulk bag (31) 2020901817 (32) 03.06.20 (33) AU
(71) Maor, M. (21) 2021203471 (54) Sanitiser Dispenser (31) 2020901859	(22) 27.05.2021 (32) 05.06.20 (33) AU	(71) Myco Sciences Limited (21) 2021203619 (22) 03.06.2021 (54) Antimicrobial and agrochemical compositions (62) 2016274498	(71) O'Brien, N. (21) 2021203423 (22) 26.05.2021 (54) Digital Advertising Motorcycle Trailer
(71) Maruho Medical, Inc. (21) 2021203419 (54) Method and apparatus for passing suture (62) 2019200690	(22) 25.05.2021	(71) National Oilwell DHT, L.P. (21) 2021203422 (22) 26.05.2021 (54) Pressure Balance System for Top Mount Pulser (31) 63/031,389 (32) 28.05.20 (33) US 17/330,192 (32) 25.05.21 (33) US	(71) Occam Biolabs, Inc. (21) 2021203433 (22) 26.05.2021 (54) System and method for collecting a sample of nucleic acid (62) 2015349719
(71) MAZZEI, M.; BASSO, S. (21) 2021203613 (54) ANTI-WASTE SANITARY SYSTEM (31) PCT/IB2019/060773	(22) 02.06.2021 (32) 13.12.19 (33) IT	(71) Nevro Corporation (21) 2021203590 (22) 02.06.2021 (54) SPINAL CORD MODULATION FOR INDUCING PARESTHETIC AND ANESTHETIC EFFECTS, AND ASSOCIATED SYSTEMS AND METHODS (62) 2019226166	(71) OntheMuV, Inc. (21) 2021203628 (22) 03.06.2021 (54) Seated treadmill and method of use (62) 2017382788
(71) McBride, M.; Salvatori, P.H.; Roughneen, J.; Romero, C.; Satter, N. (21) 2021203505 (54) Helmetless support and ventilation system for a surgical hood and gown and methods of making and using same (31) 16/894,938	(22) 28.05.2021 (32) 08.06.20 (33) US	<b>Novartis AG see The Trustees of the University of Pennsylvania</b> (21) 2021203514	(71) Orion Corporation (21) 2021203497 (22) 28.05.2021 (54) PYRAN DERIVATIVES AS CYP11A1 (CYTOCHROME P450 MONOOXYGENASE 11A1) INHIBITORS (62) 2017380282
<b>McClinton, S.R. see Generic Crop Science LLC</b> (21) 2021203642		<b>Novartis AG see The Trustees of the University of Pennsylvania</b> (21) 2021203547	(71) Osaka University; The University of Tokyo (21) 2021203496 (22) 28.05.2021 (54) Highly versatile method of presenting cyclic peptide on protein structure (62) 2018312075
(71) Medical Components, Inc. (21) 2021203473	(22) 27.05.2021	(71) Novartis AG (21) 2021203564 (22) 01.06.2021	(71) Oztent Australia Pty. Limited (21) 2021203413 (22) 25.05.2021

## Complete Applications Filed - Name Index cont'd

- (54) A fire pit  
 (31) 2020901737      (32) 27.05.20 (33) AU
- 
- (71) Planet Protector Packaging Pty Ltd  
 (21) 2021203474      (22) 27.05.2021  
 (54) An insulating wool batt and method for producing an insulating wool batt  
 (31) 2020901726      (32) 27.05.20 (33) AU
- 
- (71) Pluto Inc.  
 (21) 2021203490      (22) 28.05.2021  
 (54) Methods and systems for generating and providing program guides and content  
 (62) 2019257479
- 
- (71) Pola Pharma Inc.  
 (21) 2021203466      (22) 27.05.2021  
 (54) EXTERNAL COMPOSITION FOR SCREEN FOAMERS  
 (62) 2015368402
- 
- (71) Precedence Health Care Pty Ltd  
 (21) 2021203592      (22) 02.06.2021  
 (54) AN ELECTRONIC CARE MANAGEMENT SYSTEM  
 (62) 2015246106
- 
- (71) QIAGEN Australia Holding Pty. Ltd.  
 (21) 2021203579      (22) 01.06.2021  
 (54) A cell mediated immune response assay  
 (62) 2019204756
- 
- (71) Quantum-Si Incorporated  
 (21) 2021203568      (22) 01.06.2021  
 (54) Integrated device with external light source for probing, detecting, and analyzing molecules  
 (62) 2015300779
- 
- (71) QU Biologics Inc.  
 (21) 2021203627      (22) 03.06.2021  
 (54) Immunogenic anti-inflammatory compositions  
 (62) 2018250480
- 
- (71) Robert Bosch GmbH  
 (21) 2021203537      (22) 31.05.2021  
 (54) A system programming tool and an alarm host equipped with the programming tool  
 (62) 2016200063
- 
- (71) Roda Futura, LLC  
 (21) 2021203582      (22) 01.06.2021  
 (54) Removable power assist for manual wheelchair  
 (62) 2019322492
- 
- Romero, C. see McBride, M.
- 
- (21) 2021203505
- 
- Roughneen, J. see McBride, M.  
 (21) 2021203505
- 
- (71) Royal Bank of Canada  
 (21) 2021203623      (22) 03.06.2021  
 (54) Secure processing of data  
 (62) 2015327722
- 
- (71) Ryan Farming Machinery Pty Ltd  
 (21) 2021203441      (22) 26.05.2021  
 (54) GAUGE WHEEL SYSTEM  
 (31) 2020901706      (32) 26.05.20 (33) AU
- 
- Salvatori, P.H. see McBride, M.  
 (21) 2021203505
- 
- (71) SanBio, Inc.  
 (21) 2021203467      (22) 27.05.2021  
 (54) Methods and compositions for modulating angiogenesis and vasculogenesis  
 (62) 2019204305
- 
- (71) Sangle-Ferriere, B.  
 (21) 2021203427      (22) 26.05.2021  
 (54) Method and System for Updating Files  
 (31) FR2005707      (32) 29.05.20 (33) FR
- 
- Satter, N. see McBride, M.  
 (21) 2021203505
- 
- (71) Sayers, B.  
 (21) 2021203603      (22) 02.06.2021  
 (54) MULTIPLE-PURPOSE TRAILER
- 
- (71) SG Gaming, Inc.  
 (21) 2021203526      (22) 31.05.2021  
 (54) Systems and methods using modifiable game elements  
 (31) 17/316,792      (32) 11.05.21 (33) US  
 63/054,530      21.07.20 US
- 
- (71) Sharow Engineering LLC  
 (21) 2021203673      (22) 04.06.2021  
 (54) Propeller  
 (62) 2019203301
- 
- (71) Shopify Inc.  
 (21) 2021203479      (22) 27.05.2021  
 (54) SYSTEMS AND METHODS FOR REPRESENTING USER INTERACTIONS IN MULTI-USER AUGMENTED REALITY  
 (31) 16/939,280      (32) 27.07.20 (33) US  
 21168734.8      15.04.21 EP
- 
- (71) SKYLIE PTY LTD  
 (21) 2021203617      (22) 03.06.2021
- 
- (54) Rigid Wave Interlocking Fastener System  
 (31) 16899282      (32) 11.06.20 (33) US
- 
- (71) Snap-on Incorporated  
 (21) 2021203573      (22) 01.06.2021  
 (54) Inertial socket adaptor for torque application tools  
 (62) 2020200276
- 
- (71) Snap-on Incorporated  
 (21) 2021203574      (22) 01.06.2021  
 (54) Direction selector mechanism for a power tool  
 (31) 16/890,348      (32) 02.06.20 (33) US
- 
- (71) Soft Rigging Solutions Pty Ltd  
 (21) 2021203622      (22) 03.06.2021  
 (54) RECOVERY AND LIFTING ASSEMBLY COMPONENTS  
 (61) 2020200364
- 
- (71) Sony Corporation  
 (21) 2021203450      (22) 27.05.2021  
 (54) Encoding device and encoding method, and decoding device and decoding method  
 (62) 2016352648
- 
- (71) Sorrento Therapeutics, Inc.  
 (21) 2021203583      (22) 01.06.2021  
 (54) Cartridge portion of transdermal drug delivery apparatus and methods  
 (62) 2020200628
- 
- (71) Synhelion SA  
 (21) 2021203585      (22) 01.06.2021  
 (54) PROCESSING SYSTEM FOR RECOVERING HEAT, AND A METHOD FOR OPERATING SAME  
 (62) 2016246170
- 
- (71) Tata Consultancy Services Limited  
 (21) 2021203512      (22) 28.05.2021  
 (54) Interpretation of a dataset  
 (62) 2015268759
- 
- (71) Telefonaktiebolaget LM Ericsson (PUBL)  
 (21) 2021203632      (22) 03.06.2021  
 (54) Power control enhancement for random access  
 (62) 2018240963
- 
- (71) Temperzone Limited  
 (21) 2021203519      (22) 31.05.2021  
 (54) IMPROVEMENTS IN AIR CONDITIONING  
 (31) 765047      (32) 02.06.20 (33) NZ

## Complete Applications Filed - Name Index cont'd

- (71) Terex GB Limited (21) 2021203611 (22) 02.06.2021  
 (54) MATERIAL WASHING APPARATUS  
 (31) 2008448.9 (32) 04.06.20 (33) GB
- 
- (71) The Brigham and Women's Hospital, Inc.  
 (21) 2021203515 (22) 29.05.2021  
 (54) METHODS AND COMPOSITIONS RELATED TO TREATMENT OF PULMONARY ARTERIAL HYPERTENSION  
 (62) 2015296037
- 
- (71) The Gillette Company LLC  
 (21) 2021203434 (22) 26.05.2021  
 (54) HEATING MEMBER FOR A SHAVING RAZOR  
 (62) 2018210781
- 
- (71) The Hilliard Corporation  
 (21) 2021203508 (22) 28.05.2021  
 (54) Power transmitting clutch and disconnect  
 (31) 16/903,577 (32) 17.06.20 (33) US
- 
- (71) The Regents of the University of California  
 (21) 2021203542 (22) 31.05.2021  
 (54) ANTI-RYK ANTIBODIES AND METHODS OF USING THE SAME  
 (62) 2017245099
- 
- (71) Theriac Biomedicale Inc  
 (21) 2021203540 (22) 31.05.2021  
 (54) PPAR-gamma activators and their therapeutical usages  
 (62) 2016363691
- 
- (71) Thermodynamic Design, LLC  
 (21) 2021203449 (22) 27.05.2021  
 (54) CUSTOMIZABLE DATA MANAGEMENT SYSTEM  
 (62) 2015315376
- 
- The Scripps Research Institute see The Trustees of the University of Pennsylvania**  
 (21) 2021203514
- 
- (71) The trustee for The Greenchip Trust  
 (21) 2021203555 (22) 01.06.2021  
 (54) RECYCLING ENHANCEMENT FOR FLEXIBLE PACKAGING
- 
- (71) The Trustees of the University of Pennsylvania; Novartis AG; The Scripps Research Institute  
 (21) 2021203514 (22) 29.05.2021  
 (54) Treatment of cancer using GFR alpha-4 chimeric antigen receptor  
 (62) 2015301460
- 
- (71) The Trustees of the University of Pennsylvania; Novartis AG  
 (21) 2021203547 (22) 01.06.2021  
 (54) Human mesothelin chimeric antigen receptors and uses thereof  
 (62) 2014366047
- 
- The Trustees of the University of Pennsylvania see Novartis AG**  
 (21) 2021203566
- 
- (71) The Trustees of the University of Pennsylvania; Inovio Pharmaceuticals, Inc.  
 (21) 2021203643 (22) 03.06.2021  
 (54) DNA antibody constructs and method of using same  
 (62) 2019202343
- 
- The University of Tokyo see Osaka University**  
 (21) 2021203496
- 
- TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH see BioNTech Cell & Gene Therapies GmbH**  
 (21) 2021203528
- 
- (71) truRating Limited  
 (21) 2021203437 (22) 26.05.2021  
 (54) PIN entry device  
 (62) 2015341557
- 
- (71) TuSimple, Inc.  
 (21) 2021203567 (22) 01.06.2021  
 (54) Angle and orientation measurements for vehicles with multiple drivable sections  
 (31) 63/040,662 (32) 18.06.20 (33) US
- 
- (71) UAM TEC PTY LTD  
 (21) 2021203577 (22) 01.06.2021  
 (54) A BLADDER SYSTEM FOR A SUBMERSIBLE  
 (31) 2021901559 (32) 25.05.21 (33) AU
- 
- (71) Ubiquitous Energy, Inc.  
 (21) 2021203483 (22) 28.05.2021  
 (54) Visibly transparent, near-infrared-absorbing and ultraviolet-absorbing photovoltaic devices  
 (62) 2018283407
- 
- (71) UFO PLASTICS & DISPLAYS PTY LTD  
 (21) 2021203428 (22) 26.05.2021  
 (54) Tower Display Unit
- 
- (71) University of Massachusetts  
 (21) 2021203625 (22) 03.06.2021
- 
- (54) NEGATIVE PRESSURE WOUND CLOSURE DEVICE  
 (62) 2019268043
- 
- (71) Vermeer Manufacturing Company  
 (21) 2021203624 (22) 03.06.2021  
 (54) Mixing systems having disk assemblies  
 (31) 63/035,453 (32) 05.06.20 (33) US  
 63/118,193 25.11.20 US  
 63/201,163 15.04.21 US
- 
- (71) Vertigo Media, Inc.  
 (21) 2021203432 (22) 26.05.2021  
 (54) SMART ROUTING SYSTEM FOR PROVIDING AN OPTIMALLY SOURCED BROADCAST TO A SOCIAL CONSUMER GROUP  
 (62) 2019229430
- 
- (71) Vetco Gray Inc.  
 (21) 2021203618 (22) 03.06.2021  
 (54) Systems and methods for monitoring subsea wellhead systems  
 (62) 2018243507
- 
- (71) ViaSat, Inc.  
 (21) 2021203431 (22) 26.05.2021  
 (54) BROADBAND SATELLITE COMMUNICATION SYSTEM USING OPTICAL FEEDER LINKS  
 (62) 2020201591
- 
- (71) Victaulic Company  
 (21) 2021203527 (22) 31.05.2021  
 (54) Pipe grooving device  
 (62) 2018388797
- 
- (71) VISTrak Pty Ltd  
 (21) 2021203581 (22) 01.06.2021  
 (54) GEOFENCING BASED VISITOR TRACKING AND NOTIFICATION SYSTEM  
 (31) 2020901799 (32) 01.06.20 (33) AU
- 
- (71) Viveve, Inc.  
 (21) 2021203443 (22) 26.05.2021  
 (54) Methods and systems for treating urinary stress incontinence  
 (62) 2016324168
- 
- Washington University see Celgene Corporation**  
 (21) 2021203571
- 
- (71) Way, P.  
 (21) 2021203436 (22) 26.05.2021  
 (54) Clip-together duratread slatting  
 (31) 2020901715 (32) 27.05.20 (33) AU
- 
- (71) Waymo LLC  
 (21) 2021203465 (22) 27.05.2021

## Complete Applications Filed - Name Index cont'd

(54) LIMITATION OF NOISE ON LIGHT DETECTORS USING AN APERTURE

(62) 2020201093

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(71) Welch Allyn, Inc.

(21) 2021203447 (22) 27.05.2021

(54) Wearable device for sensing vital signs

(31) 63/031804 (32) 29.05.20 (33) US

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(71) Westinghouse Air Brake Technologies Corporation

(21) 2021203435 (22) 26.05.2021

(54) BREAKAWAY RAILCAR POWER CONNECTOR

(62) 2017254372

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(71) Westinghouse Air Brake Technologies Corporation

(21) 2021203541 (22) 31.05.2021

(54) BRAKE ASSEMBLY

(31) 63/041,470 (32) 19.06.20 (33) US

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(71) Willow Innovations, Inc.

(21) 2021203631 (22) 03.06.2021

(54) Synchronizing breast pumping with infant feeding

(62) 2019210556

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(71) Wing Aviation LLC

(21) 2021203440 (22) 26.05.2021

(54) Methods and systems for using an unmanned aerial vehicle (UAV) dedicated to deployment of operational infrastructure

(62) 2018393009

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(71) xCraft Enterprises, LLC

(21) 2021203594 (22) 02.06.2021

(54) High speed multi-rotor vertical takeoff and landing aircraft

(62) 2019206088

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(71) XENOHELIX CO., LTD

(21) 2021203460 (22) 27.05.2021

(54) A METHOD OF DETECTING RNA

(31) 10-2020-0066932 (32) 03.06.20 (33) KR

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(71) Xiant Technologies, Inc.

(21) 2021203615 (22) 03.06.2021

(54) METHOD OF USING PHOTON MODULATION FOR REGULATION OF HORMONES IN MAMMALS

## Numerical Index

2021203372	FRINGERO, B.	2021203495	Jetoptera, Inc.
2021203382	Enlivex Therapeutics Ltd.	2021203496	Osaka University; The University of Tokyo
2021203401	NuVasive, Inc.	2021203497	Orion Corporation
2021203413	Oztent Australia Pty. Limited	2021203498	Aristocrat Technologies, Inc.
2021203419	Maruho Medical, Inc.	2021203499	DeeWeed Pty Ltd
2021203422	National Oilwell DHT, L.P.	2021203500	Aristocrat Technologies, Inc.
2021203423	O'Brien, N.	2021203503	Cartiva, Inc.
2021203424	Acres Technology	2021203505	McBride, M.; Salvatori, P.H.; Roughneen, J.; Romero, C.; Satter, N.
2021203426	CIJ ENGINEERED PTY LTD	2021203508	The Hilliard Corporation
2021203427	Sangle-Ferriere, B.	2021203509	Fiserv, Inc.
2021203428	UFO PLASTICS & DISPLAYS PTY LTD	2021203510	Glory Ltd.
2021203429	Makita Corporation	2021203511	Commonwealth Scientific and Industrial Research Organisation
2021203430	NovAtel Inc.	2021203512	Tata Consultancy Services Limited
2021203431	ViaSat, Inc.	2021203513	Lemaar Vision Electronics Pty Ltd
2021203432	Vertigo Media, Inc.	2021203514	The Trustees of the University of Pennsylvania; Novartis AG; The Scripps Research Institute
2021203433	Occam Biolabs, Inc.	2021203515	The Brigham and Women's Hospital, Inc.
2021203434	The Gillette Company LLC	2021203516	Ioannou, M.
2021203435	Westinghouse Air Brake Technologies Corporation	2021203517	Deere & Company; Iowa State University Research Foundation, Inc.
2021203436	Way, P.	2021203518	Apple Inc.
2021203437	truRating Limited	2021203519	Temperzone Limited
2021203438	Incyte Corporation	2021203520	BP Corporation North America Inc.
2021203440	Wing Aviation LLC	2021203521	HUNTER PACIFIC INTERNATIONAL PTY LTD
2021203441	Ryan Farming Machinery Pty Ltd	2021203523	AVEO Pharmaceuticals, Inc.
2021203443	Viveve, Inc.	2021203524	Becton, Dickinson and Company
2021203444	LG Electronics Inc.	2021203525	Auris Health, Inc.
2021203446	Lumachain Pty Ltd	2021203526	SG Gaming, Inc.
2021203447	Welch Allyn, Inc.	2021203527	Victaulic Company
2021203448	Evonik Operations GmbH	2021203528	BioNTech Cell & Gene Therapies GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; Ganymed Pharmaceuticals GmbH
2021203449	Thermodynamic Design, LLC	2021203530	Bioniz, LLC
2021203450	Sony Corporation	2021203531	Johnson & Johnson Consumer Inc.
2021203453	Gateway Autoart Limited; Gateway Autoart Japan Corporation	2021203534	Halliburton Energy Services, Inc.
2021203454	CROWN EQUIPMENT CORPORATION	2021203535	Micro Motion, Inc.
2021203456	Lexx Technologies Pty Ltd	2021203537	Robert Bosch GmbH
2021203457	HONEYWELL INTERNATIONAL INC.	2021203538	Illumina, Inc.
2021203458	Genzyme Corporation	2021203539	Allshelter Holdings Pty Ltd
2021203459	CATERPILLAR GLOBAL MINING LLC	2021203540	Theriac Biomedicale Inc
2021203460	XENOHELIX CO., LTD	2021203541	Westinghouse Air Brake Technologies Corporation
2021203462	Miles, S.	2021203542	The Regents of the University of California
2021203463	Komatsu Ltd.	2021203545	Hanwha Azdel, Inc.
2021203464	DePuy Synthes Products, Inc.	2021203546	Fisher & Paykel Healthcare Limited
2021203465	Waymo LLC	2021203547	The Trustees of the University of Pennsylvania; Novartis AG
2021203466	Pola Pharma Inc.	2021203555	The trustee for The Greenchip Trust
2021203467	SanBio, Inc.	2021203564	Novartis AG
2021203468	Cerecin Inc.	2021203566	Novartis AG; The Trustees of the University of Pennsylvania
2021203471	Maor, M.	2021203567	TuSimple, Inc.
2021203472	Elite Diesel Tech Pty Ltd	2021203568	Quantum-Si Incorporated
2021203473	Medical Components, Inc.	2021203570	Acres Technology
2021203474	Planet Protector Packaging Pty Ltd	2021203571	Celgene Corporation; Washington University
2021203475	Aristocrat Technologies, Inc.	2021203572	Bayer Pharma Aktiengesellschaft; Bayer Aktiengesellschaft
2021203476	ABB Power Grids Switzerland AG	2021203573	Snap-on Incorporated
2021203477	Clearview Property Management Pty Ltd	2021203574	Snap-on Incorporated
2021203478	CHIANG, C.	2021203575	Lumenis Ltd
2021203479	Shopify Inc.	2021203576	ARB Corporation Limited
2021203480	Fate Therapeutics, Inc.	2021203577	UAM TEC PTY LTD
2021203481	iCell Gene Therapeutics, LLC	2021203578	Canva Pty Ltd
2021203482	F. Hoffman-La Roche AG	2021203579	QIAGEN Australia Holding Pty. Ltd.
2021203483	Ubiquitous Energy, Inc.	2021203580	Culligan International Company
2021203484	Dolby International AB	2021203581	VISTrak Pty Ltd
2021203485	Illumina, Inc.		
2021203487	Afiniti Europe Technologies Limited		
2021203488	Eteros Technologies Inc.		
2021203489	Eteros Technologies Inc.		
2021203490	Pluto Inc.		
2021203491	Clean World Technologies Ltd.		
2021203492	ModernaTX, Inc.		
2021203493	Advanced New Technologies Co., Ltd.		
2021203494	LG ELECTRONICS INC.		

## Complete Applications Filed - Numerical Index cont'd

2021203582	Roda Futura, LLC	2021203673	Sharow Engineering LLC
2021203583	Sorrento Therapeutics, Inc.	2021203675	Johnson & Johnson Consumer Inc.
2021203584	LAA INDUSTRIES PTY LTD	2021203677	Fraunhofer-Gesellschaft zur Förderung der ange-wandten Forschung e.V.
2021203585	Synhelion SA		
2021203586	Hanwha Defense Co., Ltd.	2021203684	EVERETT, T.R.
2021203587	Hubei Huinong Biological Technology Co., Ltd.	2021203817	Globe (Jiangsu) Co., Ltd.
2021203588	HOWMEDICA OSTEONICS CORP.		
2021203589	KA'ANA WAVE COMPANY INC.		
2021203590	Nevro Corporation		
2021203591	Becton, Dickinson and Company		
2021203592	Precedence Health Care Pty Ltd		
2021203593	CB Therapeutics, Inc.		
2021203594	xCraft Enterprises, LLC		
2021203595	Lowrie, H.		
2021203596	Barjoh Pty Ltd		
2021203597	Cedars-Sinai Medical Center		
2021203598	Intuit, Inc.		
2021203599	FUNDACIO INSTITUT DE RECERCA BIOMEDICA (IRB BARCELONA); INSTITUCIO CATALANA DE RE-CERCA I ESTUDIS AVANCATS		
2021203600	LG ELECTRONICS INC.		
2021203601	Google LLC		
2021203602	A&H Japan Corporation		
2021203603	Sayers, B.		
2021203604	Cotton Seed Distributors Ltd		
2021203605	Kaleido Biosciences, Inc.		
2021203606	Board of Regents, The University of Texas System		
2021203607	Google LLC		
2021203608	Meinan Machinery Works, Inc.		
2021203610	Coupan Corp.		
2021203611	Terex GB Limited		
2021203612	LG ELECTRONICS INC.		
2021203613	MAZZEI, M.; BASSO, S.		
2021203614	Havah Therapeutics Pty Ltd		
2021203615	Xiant Technologies, Inc.		
2021203616	ABUS August Bremicker Söhne KG		
2021203617	SKYLIE PTY LTD		
2021203618	Vetco Gray Inc.		
2021203619	Myco Sciences Limited		
2021203620	Erasmus University Medical Center Rotterdam		
2021203621	LG ELECTRONICS INC.		
2021203622	Soft Rigging Solutions Pty Ltd		
2021203623	Royal Bank of Canada		
2021203624	Vermeer Manufacturing Company		
2021203625	University of Massachusetts		
2021203626	Cell Design Labs, Inc.		
2021203627	QU Biologics Inc.		
2021203628	OntheMuV, Inc.		
2021203629	Daikin Industries, Ltd.		
2021203630	Huawei Technologies Co., Ltd.		
2021203631	Willow Innovations, Inc.		
2021203632	Telefonaktiebolaget LM Ericsson (PUBL)		
2021203633	Commonwealth Scientific and Industrial Research Or-ganisation		
2021203635	Magic Leap, Inc.		
2021203636	Apple Inc.		
2021203637	Citrix Systems, Inc.		
2021203638	EARTH SYSTEMS CONSULTING PTY. LTD.		
2021203639	Corning Optical Communications LLC		
2021203640	Foundation Medicine, Inc.; Genentech, Inc.		
2021203641	Deere & Company		
2021203642	Generic Crop Science LLC; McClinton, S.R.		
2021203643	The Trustees of the University of Pennsylvania; Inovio Pharmaceuticals, Inc.		
2021203644	Lanxess Deutschland GmbH		
2021203646	Intuit Inc.		
2021203647	O.E. & D.R. POPE PTY. LTD.		
2021203648	Gradiant Corporation		
2021203650	GlaxoSmithKline Intellectual Property Development Limited		
2021203651	Chipcare Corporation		
2021203669	Apple Inc.		

**Innovation Patent Applications Filed****Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 8 Jun 2021 .  
 (This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

<b>A B, S. see Reddy, R.</b> (21) 2021102968	<b>(21) 2021102978</b>	<b>Chandana, U. see Lakshmi, G.</b> (21) 2021102935
<b>Achanta, S.D.M. see Jaiswal, S.</b> (21) 2021102961	<b>Bansal, S. see Srivastava, S.</b> (21) 2021102958	<b>Chandra Panda, R. see Talukdar, J.</b> (21) 2021102967
<b>Afzal, A. see Naik, B.</b> (21) 2021102978	<b>Bansal, R.K. see Srivastava, S.</b> (21) 2021102958	<b>Chauhan, S. see Joshi, S.</b> (21) 2021102953
<b>Agrawal, S. see Srivastava, S.</b> (21) 2021102958	<b>(71) Bazhou Yongentang Biological Technology Co., Ltd (21) 2021102990                   (22) 31.05.2021 (54) Apocynum venetum tea beverage formula and preparation method thereof</b>	<b>Chauhan, H. see Ram, S.T.</b> (21) 2021102977
<b>Ambalgi, A.P. see Shrivastava, A.</b> (21) 2021102975	<b>Beijing Huahetuo Technology Development Co., Ltd. see Institute Of Process Engineering, Chinese Academy Of Sciences</b> (21) 2021102933	<b>Chhabra, G.S. see Sharma, N.</b> (21) 2021102957
<b>(71) Amden Engineering Pty Ltd (21) 2021102984                   (22) 31.05.2021 (54) METHOD AND APPARATUS FOR RETAINING A SHEET OF PLANAR MATERIAL</b>	<b>(71) BENELEC PTY. LIMITED (21) 2021102942                   (22) 28.05.2021 (54) VHF High Band Directional Antenna with Broadband Characteristics for In-building Radio Systems using Bi-directional Repeater Technologies</b>	<b>(71) China Institute of Water Resources and Hydropower Research (21) 2021102932                   (22) 28.05.2021 (54) NOVEL UNBONDED ANNUAL ANCHOR PRESTRESSED CONCRETE LINING AND CONSTRUCTION METHOD THEREOF</b>
<b>Anil, G.R. see Lakshmi, G.</b> (21) 2021102935	<b>Bharti, A. see Ram, S.T.</b> (21) 2021102977	<b>(71) CHINA RAILWAY 18 BUREAU GROUP CO. LTD. (21) 2021102912                   (22) 27.05.2021 (54) SIMPLE METHOD FOR HEATING WATER TANK OF MIXING STATION IN CONCRETE SHED IN COLD WINTER</b>
<b>Aravelli, S.L.K.G. see Kovelakonda, K.K.</b> (21) 2021102771	<b>Bhulakshmi, D. see Reddy, R.</b> (21) 2021102968	<b>(71) CHINA RAILWAY 18 BUREAU GROUP CO. LTD. (21) 2021102913                   (22) 27.05.2021 (54) METHOD FOR HEATING AND INSULATING COARSE AND FINE CONCRETE AGGREGATE IN MIXING STATION IN SHED IN WINTER</b>
<b>Awati, S. see Reddy, R.</b> (21) 2021102968	<b>Bisen, V. see Shrivastava, A.</b> (21) 2021102975	<b>(71) CHINA RAILWAY 18 BUREAU GROUP CO. LTD.; LIAONING TECHNICAL UNIVERSITY (21) 2021102915                   (22) 27.05.2021 (54) ANTI-OVERTURNING METHOD FOR LIFTING AND DROPPING AUXILIARY PLATE FOR LONG-SECTION SINGLE-ROW AND TWO-LINING OPERATION OF FROZEN DEEP SHAFT</b>
<b>Axis Institute of Technology &amp; Management see Kushwaha, R.</b> (21) 2021102963	<b>Bohra, S. see Talukdar, J.</b> (21) 2021102967	<b>(71) CHINA RAILWAY 18 BUREAU GROUP CO. LTD. (21) 2021102918                   (22) 27.05.2021 (54) ENVIRONMENTAL PROTECTION TREATMENT METHOD FOR SECONDARY SOLID-LIQUID SEPAR-</b>
<b>Azam, M. see Joshi, S.</b> (21) 2021102953	<b>Bukhari, S.N.H. see Dhiman, G.</b> (21) 2021102972	
<b>B., V. see Lakshmi, G.</b> (21) 2021102935	<b>(71) Capital Medical University (21) 2021102981                   (22) 31.05.2021 (54) Identification Method of Pulmonary Nodules Based on Lung CT Image Features and Genetic Markers</b>	
<b>Babu, T.N. see Ram, S.T.</b> (21) 2021102977	<b>Chaitanya, A.K. see Lakshmi, G.</b> (21) 2021102935	
<b>Baby, R. see Joshi, S.</b> (21) 2021102953		
<b>Banerjee, M. see Naik, B.</b>		

## Innovation Patent Applications Filed - Name Index cont'd

ATION OF MUD IN BRIDGE DEEP BORED PILE	<b>Chowdhary, M. see Sharma, N.</b> (21) 2021102957	(54) A guide
<b>(71) CHINA RAILWAY 18 BUREAU GROUP CO. LTD.</b> <b>(21) 2021102919 (22) 27.05.2021</b> <b>(54) METHOD FOR APPLYING COMPOSITE STEEL PIPE SUPPORT AS BASE OF SOUND BARRIER ON SIMPLY SUPPORTED BRIDGE</b>	<b>(71) Crop Research Institute, Shandong Academy of Agricultural Sciences</b> <b>(21) 2021102937 (22) 28.05.2021</b> <b>(54) LOTUS ROOT POWDER-FLAVORED STEAMED BREAD WITHOUT PEELING AND CRACKING AND PREPARATION METHOD THEREOF</b>	<b>(71) ECO Garage Doors Pty Ltd</b> <b>(21) 2021102949 (22) 28.05.2021</b> <b>(54) Roller guide</b>
<b>China Railway No.3 Engineering Group Building Installation Engineering Co., Ltd. see China Railway No.3 Engineering Group Co., Ltd.</b> (21) 2021102924		<b>Faheem, A. see Joshi, S.</b> (21) 2021102953
<b>(71) China Railway No.3 Engineering Group Co., Ltd.; China Railway No.3 Engineering Group Building Installation Engineering Co., Ltd.</b> <b>(21) 2021102924 (22) 28.05.2021</b> <b>(54) DEVICE FOR ADJUSTING INVERTED ARCH OF BOTTOM DIE OF HIGH-SPEED RAILWAY PRESTRESSED BOX GIRDER</b> <b>(31) 2020229150525 (32) 08.12.20 (33) CN</b>	<b>(71) Crystal Hair Collective</b> <b>(21) 2021102927 (22) 28.05.2021</b> <b>(54) Crystal Hair Collective</b>	<b>G, S. see Reddy, R.</b> (21) 2021102968
	<b>D, S. see K, M.</b> (21) 2021102645	<b>G., S. see Kovelakonda, K.K.</b> (21) 2021102771
	<b>D., R. see Kovelakonda, K.K.</b> (21) 2021102771	<b>G., S. see Kovelakonda, K.K.</b> (21) 2021102771
	<b>D. V., D.R. see Kovelakonda, K.K.</b> (21) 2021102771	<b>Ganguli, S. see Singh, M.</b> (21) 2021102969
	<b>Dahiya, P. see Talukdar, J.</b> (21) 2021102967	<b>Gaurav, K. see Ram, S.T.</b> (21) 2021102977
	<b>Darji, P.A. see Dhiman, G.</b> (21) 2021102972	<b>Gothwal, S. see Joshi, S.</b> (21) 2021102953
	<b>Dasore, A. see Naik, B.</b> (21) 2021102978	<b>GUANGDONG WATER CO.,LTD. see ZHEJI-ANG BOHUA E.T.E CO.,LTD.</b> (21) 2021102980
	<b>Deepa, G. see Murali, G.</b> (21) 2021102939	<b>Gudivada, V.K. see Jaiswal, S.</b> (21) 2021102961
	<b>Degadwala, S. see Dhiman, G.</b> (21) 2021102972	<b>Gupta, G. see Talukdar, J.</b> (21) 2021102967
	<b>Deshmukh, R. see Kakarwal, S.</b> (21) 2021102976	<b>(71) Hebei Haowei Xuguang New Material Technology Co., Ltd.</b> <b>(21) 2021102934 (22) 28.05.2021</b> <b>(54) ORGANIC POLYMER ULTRA-LOW TEMPERATURE REINFORCEMENT MATERIAL FOR COAL AND ROCK MASS</b>
	<b>(71) Dhiman, G.; Tharewal, S.S.; Bukhari, S.N.H.; Darji, P.A.; Pareek, K.; Degadwala, S.; Singh, P.; Patel, S.P.; Patel, S.A.; Sharma, R.; Shabaz, M.; Khalaf, O.I.</b> <b>(21) 2021102972 (22) 30.05.2021</b> <b>(54) AN IMAGE PROCESSING AND DEEP LEARNING BASED SYSTEM FOR ADVERTISEMENT</b>	<b>(71) Hefei Zhonglu Information Technology Co., Ltd.</b> <b>(21) 2021102988 (22) 31.05.2021</b> <b>(54) RELIABILITY TEST TEACHING DEVICE</b>
<b>China Railway No. 3 Engineering Group Co., Ltd. The Electric Engineering Co., Ltd. see China Railway No.3 Engineering Group Co., Ltd.</b> (21) 2021102930	<b>Dutta, P. see Jaiswal, S.</b> (21) 2021102961	<b>(71) Huazhong University of Science and Technology; Yinlong New Energy Incorporated Company; State Grid Xinjiang Electric Power Co., Ltd. Electric Power</b>
<b>China Railway No. 3 Engineering Group Sixth Engineering Co., Ltd. see China Railway No.3 Engineering Group Co., Ltd.</b> (21) 2021102925	<b>(71) ECO Garage Doors Pty Ltd</b> (21) 2021102948 (22) 28.05.2021	
<b>CHOURDHARY, P.K. see Srivastava, S.</b> (21) 2021102958		

## Innovation Patent Applications Filed - Name Index cont'd

- Research Institute; Jiangsu Paineng Energy Technology Co., Ltd.  
**(21)** 2021102950      **(22)** 28.05.2021  
**(54)** METHOD FOR PREPARING DIMETHYL METHYLPHOSPHONATE ELECTROLYTE WITH WIDE TEMPERATURE RANGE AND A LITHIUM ION BATTERY
- 
- (71)** Hubei University  
**(21)** 2021102936      **(22)** 28.05.2021  
**(54)** DIGITAL CONFIGURABLE ACOUSTIC SIGNAL FILTERING DEVICE AND METHOD THEREOF  
**(31)** 202011004929.3    **(32)** 22.09.20 (33) CN
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- (71)** Institute Of Process Engineering, Chinese Academy Of Sciences; Beijing Huahetuo Technology Development Co., Ltd.  
**(21)** 2021102933      **(22)** 28.05.2021  
**(54)** SYSTEM FOR PURIFYING TRICHLOROSILANE BY QUADRUPLE-EFFECT COUPLED RECTIFICATION AND PROCESSING METHOD THEREOF
- 
- (71)** Institute of Urban Environment, Chinese Academy of Sciences  
**(21)** 2021102983      **(22)** 31.05.2021  
**(54)** METHOD AND SYSTEM FOR MEASURING ACCESSIBILITY OF ECOLOGICAL EFFECT OF GREEN SPACE ON BUILDING ENERGY CONSUMPTION CARBON EMISSION REDUCTION
- 
- (71)** Institute of Vegetables, Shandong Academy of Agricultural Sciences  
**(21)** 2021102890      **(22)** 27.05.2021  
**(54)** SSR molecular marker related to powdery mildew resistance of muskmelon and application thereof
- 
- (71)** Jadhav, B.; Mujawar, I.; Patil, R.; Waghmare, V.; Rajendra, Y.  
**(21)** 2021102973      **(22)** 30.05.2021  
**(54)** A SYSTEM FOR ASSESSING SYMPTOMATIC RISK, DIAGNOSING, AND CLASSIFICATION OF DIABETES  
**(31)** 202121003841    **(32)** 28.01.21 (33) IN
- 
- Jaiswal, S. see Lakshmi, G.**  
**(21)** 2021102935
- 
- Jaiswal, T. see Lakshmi, G.**  
**(21)** 2021102935
- 
- Jaiswal, T. see Jaiswal, S.**  
**(21)** 2021102961
- 
- (71)** Jaiswal, S.; Achanta, S.D.M.; Ziya Gous, M.; Kumar, K.; Lalitha Kumari, P.; Nandikolla, S.; MadhusudhanaRao, G.; Jaiswal, T.; Rao, P.; Suneela, B.; Gudivada, V.K.; Dutta, P.  
**(21)** 2021102961      **(22)** 29.05.2021  
**(54)** AN IoT BASED SYSTEM FOR TRACING AND RECOGNIZING AN OBJECT
- 
- Jawahar, S. see Lakshmi, G.**  
**(21)** 2021102935
- 
- Jenitta, A. see Talukdar, J.**  
**(21)** 2021102967
- 
- Jharia, B. see Srivastava, S.**  
**(21)** 2021102958
- 
- Jiangsu Paineng Energy Technology Co., Ltd. see Huazhong University of Science and Technology**  
**(21)** 2021102950
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- (71)** Joshi, S.; Katiyar, S.; Yadav, K.; Senthil, S.; Singhal, A.; Baby, R.; Sreejith, R.; Chauhan, S.; Gothwal, S.; Tripathi, B.N.; Yadav, R.; Faheem, A.; U, Y.P.; Azam, M.  
**(21)** 2021102953      **(22)** 28.05.2021  
**(54)** INTELLIGENT SYSTEM FOR EARLY DETECTION AND WARNING TO PREVENT TRUCKS FROM TOPPLING USING INTERNET OF THINGS AND ARTIFICIAL INTELLIGENCE
- 
- Joshi, A. see Talukdar, J.**  
**(21)** 2021102967
- 
- (71)** K, M.; Ramamoorthy, K.; D, S.; kumar, T.; Sudheer, K.  
**(21)** 2021102645      **(22)** 18.05.2021  
**(54)** Structural Vibration Compensation using Magnetorheological-Fluid Damper
- 
- (71)** Kakarwal, S.; paithane, p.; Deshmukh, R.  
**(21)** 2021102976      **(22)** 31.05.2021  
**(54)** Automatic Pancreas Segmentation using A Novel Modified Semantic Deep Learning Bottom-Up Approach
- 
- Kalita, S. see Talukdar, J.**  
**(21)** 2021102967
- 
- Karelia, N. see Singh, M.**  
**(21)** 2021102969
- 
- Katiyar, S. see Joshi, S.**  
**(21)** 2021102953
- 
- (71)** KCH INNOVATIONS PTY LTD  
**(21)** 2021102989      **(22)** 31.05.2021  
**(54)** COMPUTER-IMPLEMENTED PURCHASER PRIORITIZATION SYSTEM AND METHOD  
**(62)** 2019226625
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- Khalaf, O.I. see Dhiman, G.**  
**(21)** 2021102972
- 
- Kour, M. see Talukdar, J.**  
**(21)** 2021102967
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- (71)** Kovelakonda, K.K.; RAMAVATHU, S.N.; M., N.D.; Aravelli, S.L.K.G.; V., S.; D. V., D.R.; G., S.; NBV, L.K.; D., R.; Mariyam, B.; G., S.; MOHAMMED, A.  
**(21)** 2021102771      **(22)** 22.05.2021  
**(54)** Electric Vehicle Charging Estimation Device Using Machine Learning
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- K Patil, A. see Reddy, R.**  
**(21)** 2021102968
- 
- Kulkarni, M. see Ram, S.T.**  
**(21)** 2021102977
- 
- kumar, T. see K, M.**  
**(21)** 2021102645
- 
- Kumar, S. see Sharma, N.**  
**(21)** 2021102957
- 
- Kumar, K. see Jaiswal, S.**  
**(21)** 2021102961
- 
- Kumar, A. see Talukdar, J.**  
**(21)** 2021102967
- 
- Kumar, R. see Talukdar, J.**  
**(21)** 2021102967
- 
- (71)** Kumar, K.  
**(21)** 2021102970      **(22)** 30.05.2021  
**(54)** A PROCESS FOR PREPARING HYBRID CONCRETE AND HYBRID CONCRETE THERE OF
- 
- Kumar, P. see Shrivastava, A.**  
**(21)** 2021102975
- 
- Kumar, K. see Shrivastava, A.**  
**(21)** 2021102975

## Innovation Patent Applications Filed - Name Index cont'd

**Kumar, T.R. see Naik, B.**  
 (21) 2021102978

**Kumar Sharma, S. see Shrivastava, A.**  
 (21) 2021102975

**Kumar Singh, A. see Shrivastava, A.**  
 (21) 2021102975

(71) Kushwaha, R.; Axis Institute of Technology & Management  
 (21) 2021102963 (22) 29.05.2021  
 (54) A HYBRID TREADMILL SCOOTER

(71) Lakshmi, G.; Chandana, U.; Mosiganti, J.P.; Palaniappan, K.; Prabhu, P.; Anil, G.R.; B., V.; Vanajakshi, N.; Chaitanya, A.K.; Jawahar, S.; Jaiswal, S.; Jaiswal, T.  
 (21) 2021102935 (22) 28.05.2021  
 (54) AN AUTOMATIC OPTIMIZED FEATURES SELECTION SYSTEM IN RETINOPATHY DETECTION USING ACTIVE EXTREME LEARNING MACHINE

**Lalitha Kumari, P. see Jaiswal, S.**  
 (21) 2021102961

(71) Law on Earth IP Pty Ltd  
 (21) 2021102987 (22) 31.05.2021  
 (54) Computer Platform and Method for Securely Exchanging Confidential Data and Generating Legal Documents  
 (62) 2020210143

**LI, W. see Shenzhen Traditional Chinese Medicine Hospital**  
 (21) 2021102926

**LI, H. see Shenzhen Traditional Chinese Medicine Hospital**  
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**LI, W. see Shenzhen Traditional Chinese Medicine Hospital**  
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**LIAO, Y. see Shenzhen Traditional Chinese Medicine Hospital**  
 (21) 2021102938

**LIAONING TECHNICAL UNIVERSITY see CHINA RAILWAY 18 BUREAU GROUP CO. LTD.**  
 (21) 2021102915

**M., N.D. see Kovelakonda, K.K.**  
 (21) 2021102771

**MadhusudhanaRao, G. see Jaiswal, S.**  
 (21) 2021102961

**Mahajan, T. see Ram, S.T.**  
 (21) 2021102977

**Mansoori, A. see Shrivastava, A.**  
 (21) 2021102975

**Mariyam, B. see Kovelakonda, K.K.**  
 (21) 2021102771

**Matharu, H. see Ram, S.T.**  
 (21) 2021102977

**MOHAMMED, A. see Kovelakonda, K.K.**  
 (21) 2021102771

**Mosiganti, J.P. see Lakshmi, G.**  
 (21) 2021102935

**Mujawar, I. see Jadhav, B.**  
 (21) 2021102973

(71) Murali, G.; Sanjay, C.; Paul, A.; Deepa, G.  
 (21) 2021102939 (22) 28.05.2021  
 (54) Point to Point Regression Analysis Based Big-Data/ AWS Processing Using Machine Learning.

(71) Naik, B.; Sai Tejes, P.K.; Afzal, A.; Verma, T.N.; Banerjee, M.; Rajak, U.; Dasore, A.; Kumar, T.R.  
 (21) 2021102978 (22) 31.05.2021  
 (54) DESIGN OF HOLLOW FIBER AND HYDROPHOBIC MEMBRANE-BASED ENERGY EXCHANGER FOR DRYING /DEHUMIDIFICATION.  
 (31) UNKNOWN (32) 27.05.21 (33) AU

**Nandikolla, S. see Jaiswal, S.**  
 (21) 2021102961

(71) Nanjing Hailu Chemical Technology Co., Ltd.  
 (21) 2021102941 (22) 28.05.2021  
 (54) Waste Heat Recovery System With Flash Evaporator Connected In Parallel On Pipeline For Externally Delivered High-Temperature Sulfuric Acid Background  
 (31) 202022920081.0 (32) 08.12.20 (33) CN

**NBV, L.K. see Kovelakonda, K.K.**  
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**Nijhawan, P. see Singh, M.**  
 (21) 2021102969

**NIKUNJ PATEL, D.H. see SHINGRAKHIA, H.**  
 (21) 2021102956

(71) OZDOCS INTERNATIONAL PTY LTD  
 (21) 2021102952 (22) 28.05.2021  
 (54) PeakTrak Compass

**Pahariya, Y. see Shrivastava, A.**  
 (21) 2021102975

**paithane, p. see Kakarwal, S.**  
 (21) 2021102976

**Palaniappan, K. see Lakshmi, G.**  
 (21) 2021102935

**Pallathadka, H. see Shrivastava, A.**  
 (21) 2021102975

**Pallathadka, H. see Ram, S.T.**  
 (21) 2021102977

**Pareek, K. see Dhiman, G.**  
 (21) 2021102972

**Patel, S.P. see Dhiman, G.**  
 (21) 2021102972

**Patel, S.A. see Dhiman, G.**  
 (21) 2021102972

**Patil, R. see Jadhav, B.**  
 (21) 2021102973

**Pattanayak, M. see Ram, S.T.**  
 (21) 2021102977

**Paul, A. see Murali, G.**  
 (21) 2021102939

**Paul, M. see Talukdar, J.**  
 (21) 2021102967

(71) Pet Parlour Online Pty Ltd  
 (21) 2021102991 (22) 31.05.2021  
 (54) A PET BED

**Prabhu, P. see Lakshmi, G.**

## Innovation Patent Applications Filed - Name Index cont'd

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- 
- (71) Qingdao Agricultural University; Shandong Tang Wang Carp Agricultural Development Co., Ltd  
(21) 2021102929 (22) 28.05.2021  
(54) Transportation Method of Live Mauremys mutica
- 
- (71) Raftos, J.  
(21) 2021102862 (22) 26.05.2021  
(54) Device for facilitating the safe and easy installation of drain test plugs
- 
- Raja, R. see Srivastava, S.  
(21) 2021102958
- 
- Rajak, U. see Naik, B.  
(21) 2021102978
- 
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- 
- Rajendra, Y. see Jadhav, B.  
(21) 2021102973
- 
- (71) Rajesh, J.B.; Rajkhowa, S.  
(21) 2021102959 (22) 29.05.2021  
(54) A METHOD TO AID A TREATMENT PLAN OF PORCINE CIRCOVIRUS TYPE 2 (PCV2) DISEASE BY EVALUATING BLOOD SAMPLE
- 
- Rajkhowa, S. see Rajesh, J.B.  
(21) 2021102959
- 
- (71) RAKMAN INTERNATIONAL PTY LTD  
(21) 2021102986 (22) 31.05.2021  
(54) AN ACCESS PANEL ASSEMBLY AND AN ASSOCIATED METHOD  
(31) 2020901813 (32) 02.06.20 (33) AU
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- (71) Ram, S.T.; Pallathadka, H.; Matharu, H.; Mahajan, T.; Kulkarni, M.; Bharti, A.; RENGARAJAN, P.; Chauhan, H.; Babu, T.N.; Gaurav, K.; Pattanayak, M.  
(21) 2021102977 (22) 31.05.2021  
(54) METHOD FOR NEW PRODUCT DEVELOPMENT AND MARKET INTRODUCTION
- 
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(21) 2021102645
- 
- RAMAVATHU, S.N. see Kovelakonda, K.K.  
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- 
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- Rao, P. see Jaiswal, S.  
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(21) 2021102968 (22) 29.05.2021  
(54) A SYSTEM AND METHOD FOR REAL TIME SIGN LANGUAGE TO SPEECH CONVERTER
- 
- RENGARAJAN, P. see Ram, S.T.  
(21) 2021102977
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- (71) Roorkee College of Engineering  
(21) 2021102971 (22) 30.05.2021  
(54) A NARRATIVE WEB BASED MALARIA PROPHECY ACCESSION USING K-NEAREST NEIGHBOUR CLASSIFICATION AND CLIENT HONEY POT DATA
- 
- Sai Tejes, P.K. see Naik, B.  
(21) 2021102978
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- Sanjay, C. see Murali, G.  
(21) 2021102939
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- (71) SenSen Networks Group Pty Ltd  
(21) 2021102736 (22) 21.05.2021  
(54) System for game object detection  
(62) 2018344762
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- (71) SenSen Networks Group Pty Ltd  
(21) 2021102737 (22) 21.05.2021  
(54) Computing apparatus applying machine learning to analyse a region of interest in a captured image  
(62) 2018344762
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- Senthil, S. see Joshi, S.  
(21) 2021102953
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- Shabaz, M. see Dhiman, G.  
(21) 2021102972
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- (71) Shandong Peanut Research Institute  
(21) 2021102896 (22) 27.05.2021  
(54) STORAGE BIN FOR IMPROVING STORAGE PERIOD OF FRESH PEANUTS  
(31) 2021208363070 (32) 22.04.21 (33) CN
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- (71) Shandong Ruien Ecological Environment Technology Co., Ltd.  
(21) 2021102979 (22) 31.05.2021  
(54) GEOTECHNICAL ENGINEERING SAFETY MONITORING AND WARNING SYSTEM
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- Shandong Tang Wang Carp Agricultural Development Co., Ltd see Qingdao Agricultural University  
(21) 2021102929
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- (71) Shandong Tang Wang Carp Agricultural Development Co., Ltd  
(21) 2021102947 (22) 28.05.2021  
(54) Special Cleaning Brush for Joint Between Fish Pond Wall and Pond Bottom
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- (71) Shandong University  
(21) 2021102795 (22) 24.05.2021  
(54) Optimized coding method and system for enhancing tone perception of cochlear implant  
(62) PCT/CN2019/107111
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- Shantaram Thorat, S. see Shrivastava, A.  
(21) 2021102975
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- Sharma, S. see Sharma, N.  
(21) 2021102957
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- (71) Sharma, N.; Srivastava, D.; Singh Virk, I.; Chowdhary, M.; Sharma, S.; Singh, G.; Kumar, S.; Chhabra, G.S.  
(21) 2021102957 (22) 29.05.2021  
(54) A SYSTEM AND METHOD FOR PREDICTING THE STOCK MARKET NEWS SENTIMENTS USING MACHINE LEARNING
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- Sharma, R. see Dhiman, G.  
(21) 2021102972
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- Shende, D.Z. see Singh, A.  
(21) 2021102960
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- (71) Shenzhen Traditional Chinese Medicine Hospital; WEI, Z.; LI, W.; LI, H.  
(21) 2021102926 (22) 28.05.2021  
(54) Traditional Chinese herbal composition for treating anorectal disease of spinal origin
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- (71) Shenzhen Traditional Chinese Medicine Hospital; LI, W.; WEI, Z.; LIAO, Y.; WEI, W.  
(21) 2021102938 (22) 28.05.2021  
(54) Rectum eccentric type double-cavity airbag

## Innovation Patent Applications Filed - Name Index cont'd

- (71) Shenzhen University (21) 2021102951 (22) 28.05.2021  
(54) MULTIMODAL PHOTOTHERANOSTIC AGENT WITH AGGREGATION-INDUCED EMISSION PROPERTIES, AND PREPARATION AND APPLICATION THEREOF  
(31) 202010883861.4 (32) 28.08.20 (33) CN
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- (71) SHINGRAKHIA, H.; NIKUNJ PATEL, D.H.  
(21) 2021102956 (22) 29.05.2021  
(54) A METHOD FOR EMPEROR PEN-GUIN OPTIMIZED EVENT RECOGNITION AND SUMMARIZATION FOR CRICKET HIGHLIGHT GENERATION
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- (71) Srivastava, A.; Venkatesan, M.; Pahariya, Y.; Ambalgi, A.P.; Shantaram Thorat, S.; Kumar Sharma, S.; Kumar Singh, A.; Bisen, V.; Kumar, P.; Mansoori, A.; Pallathadka, H.; Kumar, K.; Rajasanthosh Kumar, T.  
(21) 2021102975 (22) 30.05.2021  
(54) THE APPARATUS FOR ENHANCEMENT OF GAIN AND BANDWIDTH OF RECTANGULAR PATCH ANTENNA.  
(31) UNKNOWN (32) 27.05.21 (33) AU
- 
- Singh, G. see Sharma, N.  
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- 
- (71) Singh, A.; Wadatkar, S.S.; Shende, D.Z.; Wasewar, K.L.  
(21) 2021102960 (22) 29.05.2021  
(54) A Method for Synthesis of Syntactic Adsorbent
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- Singh, A. see Singh, M.  
(21) 2021102969
- 
- (71) Singh, M.; Singh, A.; Ganguli, S.; Karolia, N.; Nijhawan, P.  
(21) 2021102969 (22) 30.05.2021  
(54) Rate of change of 'd' and frequency component-based adaptive protection for detection of series-shunt faults for low X/R distributed generators
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- Singh, P. see Dhiman, G.  
(21) 2021102972
- 
- Singhal, A. see Joshi, S.  
(21) 2021102953
- 
- singh Kushwaha, A. see Srivastava, S.  
(21) 2021102958
- 
- Singh Virk, I. see Sharma, N.
- 
- (21) 2021102957
- 
- SINHA, G.R. see Srivastava, S.  
(21) 2021102958
- 
- Sreejith, R. see Joshi, S.  
(21) 2021102953
- 
- Srivastava, D. see Sharma, N.  
(21) 2021102957
- 
- Srivastava, S.C. see Srivastava, S.  
(21) 2021102958
- 
- (71) Srivastava, S.; CHOUDHARY, P.K.; Jharia, B.; Bansal, S.; Bansal, R.K.; Srivastava, S.C.; Raja, R.; Agrawal, S.; singh Kushwaha, A.; SINHA, G.R.  
(21) 2021102958 (22) 29.05.2021  
(54) A SYSTEM AND METHOD FOR PREVENTING CORONA VIRUS TRANSMISSION
- 
- State Grid Xinjiang Electric Power Co., Ltd. Electric Power Research Institute see Huazhong University of Science and Technology  
(21) 2021102950
- 
- Sudheer, K. see K, M.  
(21) 2021102645
- 
- Sundaram.A, M. see Reddy, R.  
(21) 2021102968
- 
- Suneela, B. see Jaiswal, S.  
(21) 2021102961
- 
- Surve, M. see Reddy, R.  
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- (71) Talukdar, J.; Bohra, S.; Jenitta, A.; Kour, M.; Kumar, A.; Thirupathaiah, A.; Dahiya, P.; Gupta, G.; Kumar, R.; Joshi, A.; Kalita, S.; Paul, M.; Chandra Panda, R.  
(21) 2021102967 (22) 29.05.2021  
(54) IoT BASED METHOD AND SYSTEM FOR RAINWATER HARVESTING AND STORAGE BY CONVERTING IT TO DRINKABLE WATER
- 
- (71) Technology, K.C.; Technology and Science, H.I.  
(21) 2021102955 (22) 29.05.2021  
(54) A SYSTEM AND METHOD FOR AGILE MEETING DASHBOARD
- 
- Technology and Science, H.I. see Technology, K.C.  
(21) 2021102955
- 
- Tharewal, S.S. see Dhiman, G.  
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- 
- Thirupathaiah, A. see Talukdar, J.  
(21) 2021102967
- 
- (71) Tianjin University  
(21) 2021102923 (22) 28.05.2021  
(54) NANOPARTICLE WITH GRAIN BOUNDARIES, AND PREPARATION METHOD AND USE THEREOF
- 
- Tripathi, B.N. see Joshi, S.  
(21) 2021102953
- 
- U, Y.P. see Joshi, S.  
(21) 2021102953
- 
- U M, A.K. see Reddy, R.  
(21) 2021102968
- 
- (71) Unison Joints Pty Ltd  
(21) 2021102928 (22) 28.05.2021  
(54) EXPANSION JOINT
- 
- (71) University of Science and Technology Beijing  
(21) 2021102982 (22) 31.05.2021  
(54) METHOD FOR TREATING CR-CONTAINING PICKLING SLUDGE IN SLAG BATH
- 
- (71) Utility Track Pty Ltd  
(21) 2021102974 (22) 30.05.2021  
(54) A COMPUTER IMPLEMENTED METHOD FOR DETERMINING FAIR VALUE OF A DRAINAGE ASSET
- 
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(21) 2021102771
- 
- Vanajakshi, N. see Lakshmi, G.  
(21) 2021102935
- 
- Venkatesan, M. see Srivastava, A.  
(21) 2021102975
- 
- Verma, T.N. see Naik, B.  
(21) 2021102978
- 
- (71) Vishwakarma Institute of Information Technology  
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**Innovation Patent Applications Filed - Name Index cont'd**

**(54) A SYSTEM FOR DRIVER BEHAVIOR ANALYSIS BASED ON MOOD DETECTION**

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**(71) Vishwakarma Institute of Information Technology**  
**(21) 2021102964 (22) 29.05.2021**  
**(54) A BABY MONITORING SMART CRADLE USING RASPBERRY PI AND IOT SENSORS**

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**(71) Vishwakarma Institute of Information Technology**  
**(21) 2021102965 (22) 29.05.2021**  
**(54) A VISUAL POSITIONING SYSTEM**

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**(71) Vishwakarma Institute of Information Technology**  
**(21) 2021102966 (22) 29.05.2021**  
**(54) A machine learning based system for incorrect posture detection**

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**Wadatkar, S.S. see Singh, A.**  
**(21) 2021102960**

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**Waghmare, V. see Jadhav, B.**  
**(21) 2021102973**

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**Wasewar, K.L. see Singh, A.**  
**(21) 2021102960**

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**WEI, Z. see Shenzhen Traditional Chinese Medicine Hospital**  
**(21) 2021102926**

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**WEI, Z. see Shenzhen Traditional Chinese Medicine Hospital**  
**(21) 2021102938**

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**WEI, W. see Shenzhen Traditional Chinese Medicine Hospital**  
**(21) 2021102938**

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**(71) Xinjiang University**  
**(21) 2021102945 (22) 28.05.2021**  
**(54) Multi-beam street lamp for road visible light communication and setting method thereof**

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**(71) Xinxiang Medical University**  
**(21) 2021102985 (22) 31.05.2021**  
**(54) PHARMACEUTICAL COMPOSITION FOR TREATING ATHEROSCLEROSIS**

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**(71) Xuzhou College of Industrial Technology**  
**(21) 2021102954 (22) 28.05.2021**

**(54) Environment-friendly flame-retardant damping material for vehicles and preparation method thereof**

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**(71) Xuzhou Institute of Technology**  
**(21) 2021102922 (22) 28.05.2021**  
**(54) Gap adjusting device for vibrating mechanism of screed**

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**(71) Xuzhou University of Technology**  
**(21) 2021102940 (22) 28.05.2021**  
**(54) A Processing Equipment For Iron-Containing Acid Pickle In Electroplating Industry And Its Working Method**

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**Yadav, K. see Joshi, S.**  
**(21) 2021102953**

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**Yadav, R. see Joshi, S.**  
**(21) 2021102953**

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**Yinlong New Energy Incorporated Company see Huazhong University of Science and Technology**  
**(21) 2021102950**

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**(71) ZHEJIANG BOHUA E.T.E CO.,LTD.; GUANGDONG WATER CO.,LTD.**  
**(21) 2021102980 (22) 31.05.2021**  
**(54) Microbial remediation method for polluted river water**

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**(71) Zhuhai Xinjinzhu Power Equipment Co., Ltd**  
**(21) 2021102944 (22) 28.05.2021**  
**(54) Data management and intelligent early warning system of storage battery life cycle in DC power system**

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**(71) ZIPFORM PACKAGING PTY LTD**  
**(21) 2021102931 (22) 28.05.2021**  
**(54) Container and Seal Assembly**  
**(31) 2020901754 (32) 28.05.20 (33) AU**

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**Ziya Gous, M. see Jaiswal, S.**  
**(21) 2021102961**

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**(71) Zunyi Normal College**  
**(21) 2021102943 (22) 28.05.2021**  
**(54) Chinese Herbal Medicine Bait for Improving Disease Resistance Immunity of Grass Carp**

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**(71) Zunyi Normal College**  
**(21) 2021102946 (22) 28.05.2021**  
**(54) Chinese Herbal Medicine Complete Feed for Piglets and Preparation Method Thereof**

## Numerical Index

<b>2021102645</b>	K, M.; Ramamoorthy, K.; D, S.; kumar, T.; Sudheer, K.	<b>2021102951</b>	Shenzhen University
<b>2021102736</b>	SenSen Networks Group Pty Ltd	<b>2021102952</b>	OZDOCS INTERNATIONAL PTY LTD
<b>2021102737</b>	SenSen Networks Group Pty Ltd	<b>2021102953</b>	Joshi, S.; Katiyar, S.; Yadav, K.; Senthil, S.; Singhal, A.;
<b>2021102771</b>	Kovelakonda, K.K.; RAMAVATHU, S.N.; M., N.D.; Aravelli, S.L.K.G.; V., S.; D. V., D.R.; G., S.; NBV, L.K.; D., R.; Mariyam, B.; G., S.; MOHAMMED, A.	<b>2021102954</b>	Baby, R.; Sreejith, R.; Chauhan, S.; Gothwal, S.; Tripathi, B.N.; Yadav, R.; Faheem, A.; U, Y.P.; Azam, M.
<b>2021102795</b>	Shandong University	<b>2021102955</b>	Xuzhou College of Industrial Technology
<b>2021102862</b>	Raftos, J.	<b>2021102956</b>	Technology, K.C.; Technology and Science, H.I.
<b>2021102890</b>	Institute of Vegetables, Shandong Academy of Agricultural Sciences	<b>2021102957</b>	SHINGRAKHIA, H.; NIKUNJ PATEL, D.H.
<b>2021102896</b>	Shandong Peanut Research Institute	<b>2021102958</b>	Sharma, N.; Srivastava, D.; Singh Virk, I.; Chowdhary, M.; Sharma, S.; Singh, G.; Kumar, S.; Chhabra, G.S.
<b>2021102912</b>	CHINA RAILWAY 18 BUREAU GROUP CO. LTD.	<b>2021102959</b>	Srivastava, S.; CHOUDHARY, P.K.; Jharia, B.; Bansal, S.; Bansal, R.K.; Srivastava, S.C.; Raja, R.; Agrawal, S.; singh Kushwaha, A.; SINHA, G.R.
<b>2021102913</b>	CHINA RAILWAY 18 BUREAU GROUP CO. LTD.	<b>2021102960</b>	Rajesh, J.B.; Rajkhowa, S.
<b>2021102915</b>	CHINA RAILWAY 18 BUREAU GROUP CO. LTD.; LIAONING TECHNICAL UNIVERSITY	<b>2021102961</b>	Singh, A., Wadatkar, S.S.; Shende, D.Z.; Wasewar, K.L. Jaiswal, S.; Achanta, S.D.M.; Ziya Gous, M.; Kumar, K.; Lalitha Kumari, P.; Nandikolla, S.; MadhusudhanaRao, G.; Jaiswal, T.; Rao, P.; Suneela, B.; Gudivada, V.K.; Dutta, P.
<b>2021102918</b>	CHINA RAILWAY 18 BUREAU GROUP CO. LTD.	<b>2021102962</b>	Vishwakarma Institute of Information Technology
<b>2021102919</b>	CHINA RAILWAY 18 BUREAU GROUP CO. LTD.	<b>2021102963</b>	Kushwaha, R.; Axis Institute of Technology & Management
<b>2021102922</b>	Xuzhou Institute of Technology	<b>2021102964</b>	Vishwakarma Institute of Information Technology
<b>2021102923</b>	Tianjin University	<b>2021102965</b>	Vishwakarma Institute of Information Technology
<b>2021102924</b>	China Railway No.3 Engineering Group Co., Ltd.; China Railway No.3 Engineering Group Building Installation Engineering Co., Ltd.	<b>2021102966</b>	Vishwakarma Institute of Information Technology
<b>2021102925</b>	China Railway No.3 Engineering Group Co., Ltd.; China Railway No. 3 Engineering Group Sixth Engineering Co., Ltd.	<b>2021102967</b>	Talukdar, J.; Bohra, S.; Jenitta, A.; Kour, M.; Kumar, A.; Thirupathaiah, A.; Dahiya, P.; Gupta, G.; Kumar, R.; Joshi, A.; Kalita, S.; Paul, M.; Chandra Panda, R.
<b>2021102926</b>	Shenzhen Traditional Chinese Medicine Hospital; WEI, Z.; LI, W.; LI, H.	<b>2021102968</b>	Reddy, R.; U M, A.K.; K Patil, A.; Sundaram.A, M.; Ranavarre, L.B.; G, S.; Surve, M.; Awati, S.; A B, S.; Bhulakshmi, D.
<b>2021102927</b>	Crystal Hair Collective	<b>2021102969</b>	Singh, M.; Singh, A.; Ganguli, S.; Karelia, N.; Nijhawan, P.
<b>2021102928</b>	Unison Joints Pty Ltd	<b>2021102970</b>	Kumar, K.
<b>2021102929</b>	Qingdao Agricultural University; Shandong Tang Wang Carp Agricultural Development Co., Ltd	<b>2021102971</b>	Roorkee College of Engineering
<b>2021102930</b>	China Railway No.3 Engineering Group Co., Ltd.; China Railway No. 3 Engineering Group Co., Ltd. The Electric Engineering Co., Ltd.	<b>2021102972</b>	Dhiman, G.; Tharewal, S.S.; Bukhari, S.N.H.; Darji, P.A.; Pareek, K.; Degadwala, S.; Singh, P.; Patel, S.P.; Patel, S.A.; Sharma, R.; Shabaz, M.; Khalaf, O.I.
<b>2021102931</b>	ZIPFORM PACKAGING PTY LTD	<b>2021102973</b>	Jadhav, B.; Mujawar, I.; Patil, R.; Waghmare, V.; Rajendra, Y.
<b>2021102932</b>	China Institute of Water Resources and Hydropower Research	<b>2021102974</b>	Utility Track Pty Ltd
<b>2021102933</b>	Institute Of Process Engineering, Chinese Academy Of Sciences; Beijing Huahetuo Technology Development Co., Ltd.	<b>2021102975</b>	Shrivastava, A.; Venkatesan, M.; Pahariya, Y.; Ambalgi, A.P.; Shantaram Thorat, S.; Kumar Sharma, S.; Kumar Singh, A.; Bisen, V.; Kumar, P.; Mansoori, A.; Pallathadka, H.; Kumar, K.; Rajasanthosh Kumar, T.
<b>2021102934</b>	Hebei Haowei Xuguang New Material Technology Co., Ltd.	<b>2021102976</b>	Kakarwal, S.; paithane, p.; Deshmukh, R.
<b>2021102935</b>	Lakshmi, G.; Chandana, U.; Mosiganti, J.P.; Palaniappan, K.; Prabhu, P.; Anil, G.R.; B., V.; Vanajakshi, N.; Chaitanya, A.K.; Jawahar, S.; Jaiswal, S.; Jaiswal, T.	<b>2021102977</b>	Ram, S.T.; Pallathadka, H.; Matharu, H.; Mahajan, T.; Kulkarni, M.; Bharti, A.; RENGARAJAN, P.; Chauhan, H.; Babu, T.N.; Gaurav, K.; Pattanayak, M.
<b>2021102936</b>	Hubei University	<b>2021102978</b>	Naik, B.; Sai Tejes, P.K.; Afzal, A.; Verma, T.N.; Banerjee, M.; Rajak, U.; Dasore, A.; Kumar, T.R.
<b>2021102937</b>	Crop Research Institute, Shandong Academy of Agricultural Sciences	<b>2021102979</b>	Shandong Ruien Ecological Environment Technology Co., Ltd.
<b>2021102938</b>	Shenzhen Traditional Chinese Medicine Hospital; LI, W.; WEI, Z.; LIAO, Y.; WEI, W.	<b>2021102980</b>	ZHEJIANG BOHUA E.T.E CO.,LTD.; GUANGDONG WATER CO.,LTD.
<b>2021102939</b>	Murali, G.; Sanjay, C.; Paul, A.; Deepa, G.	<b>2021102981</b>	Capital Medical University
<b>2021102940</b>	Xuzhou University of Technology	<b>2021102982</b>	University of Science and Technology Beijing
<b>2021102941</b>	Nanjing Hailu Chemical Technology Co., Ltd.	<b>2021102983</b>	Institute of Urban Environment, Chinese Academy of Sciences
<b>2021102942</b>	BENELEC PTY. LIMITED	<b>2021102984</b>	Amden Engineering Pty Ltd
<b>2021102943</b>	Zunyi Normal College	<b>2021102985</b>	Xinxiang Medical University
<b>2021102944</b>	Zuhai Xinjinzhuhu Power Equipment Co., Ltd	<b>2021102986</b>	RAKMAN INTERNATIONAL PTY LTD
<b>2021102945</b>	Xinjiang University	<b>2021102987</b>	Law on Earth IP Pty Ltd
<b>2021102946</b>	Zunyi Normal College	<b>2021102988</b>	Hefei Zhonglu Information Technology Co., Ltd.
<b>2021102947</b>	Shandong Tang Wang Carp Agricultural Development Co., Ltd	<b>2021102989</b>	KCH INNOVATIONS PTY LTD
<b>2021102948</b>	ECO Garage Doors Pty Ltd	<b>2021102990</b>	Bazhou Yongentang Biological Technology Co., Ltd
<b>2021102949</b>	ECO Garage Doors Pty Ltd	<b>2021102991</b>	Pet Parlour Online Pty Ltd
<b>2021102950</b>	Huazhong University of Science and Technology; Yinlong New Energy Incorporated Company; State Grid Xinjiang Electric Power Co., Ltd. Electric Power Research Institute; Jiangsu Paineng Energy Technology Co., Ltd.		

**Innovation Patent Applications Filed - Numerical Index cont'd**

**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

**1998**

1998085738 ( 14 )

**2001**

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2001051802 ( 14 )	2001051818 ( 14 )	2001051821 ( 14 )
2001051833 ( 14 )	2001060706 ( 14 )	2001095149 ( 14 )
2001095223 ( 14 )	2001261921 ( 14 )	2001262344 ( 14 )
2001263644 ( 14 )	2001263952 ( 14 )	2001264471 ( 14 )
2001264484 ( 14 )	2001265327 ( 14 )	2001265382 ( 14 )
2001266730 ( 14 )	2001266732 ( 14 )	2001268149 ( 14 )
2001268156 ( 14 )	2001268184 ( 14 )	2001268196 ( 14 )
2001268203 ( 14 )	2001268235 ( 14 )	2001273731 ( 14 )
2001275108 ( 14 )	2001275210 ( 14 )	2001275226 ( 14 )
2001275246 ( 14 )	2001275249 ( 14 )	2001275254 ( 14 )
2001275270 ( 14 )	2001275277 ( 14 )	2001275336 ( 14 )
2001275348 ( 14 )	2001281812 ( 14 )	2001283839 ( 14 )

**2002**

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**2003**

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**2004**

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**2005**

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**2006**

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2006323242 ( 14 )	2006325851 ( 14 )	2006329687 ( 14 )
2006334829 ( 14 )	2006339321 ( 14 )	2006339547 ( 14 )
2006340008 ( 14 )		

**2007**

2007201731 ( 14 )	2007237170 ( 14 )	2007325650 ( 14 )
2007325773 ( 14 )	2007326255 ( 14 )	2007327519 ( 14 )
2007327599 ( 14 )	2007329060 ( 14 )	2007331022 ( 14 )
2007337858 ( 14 )	2007346619 ( 14 )	2007347833 ( 14 )
2007354428 ( 14 )		

**2008**

2008221512 ( 14 )	2008249501 ( 14 )	2008329557 ( 14 )
2008329628 ( 14 )	2008330098 ( 14 )	2008330660 ( 14 )
2008330666 ( 14 )	2008330672 ( 14 )	2008330716 ( 14 )
2008331293 ( 14 )	2008331849 ( 14 )	2008333614 ( 14 )
2008334049 ( 14 )	2008334776 ( 14 )	

**2009**

2009200501 ( 14 )	2009240878 ( 14 )	2009320519 ( 14 )
2009321478 ( 14 )	2009321481 ( 14 )	2009323304 ( 14 )
2009331269 ( 14 )	2009331747 ( 14 )	2009342702 ( 14 )

**2010**

2010202285 ( 14 )	2010246430 ( 14 )	2010322826 ( 14 )
2010322931 ( 14 )	2010323036 ( 14 )	2010323037 ( 14 )
2010324128 ( 14 )	2010324131 ( 14 )	2010324493 ( 14 )
2010324554 ( 14 )	2010325642 ( 14 )	2010326610 ( 14 )
2010327174 ( 14 )	2010327291 ( 14 )	2010330120 ( 14 )
2010333105 ( 14 )	2010336001 ( 14 )	2010343273 ( 14 )
2010346575 ( 14 )		

**2011**

2011253714 ( 14 )	2011333514 ( 14 )	2011333723 ( 14 )
2011335084 ( 14 )	2011337290 ( 14 )	2011337681 ( 14 )
2011340098 ( 14 )	2011353511 ( 14 )	2011373613 ( 14 )
2011382248 ( 14 )		

**2012**

2012254968 ( 14 )	2012344048 ( 14 )	2012344280 ( 14 )
2012345305 ( 14 )	2012345554 ( 14 )	2012346034 ( 14 )
2012346103 ( 14 )	2012346174 ( 14 )	2012346214 ( 14 )
2012348632 ( 14 )	2012349638 ( 14 )	2012350950 ( 14 )
2012369958 ( 14 )	2012395729 ( 14 )	2012395845 ( 14 )

**2013**

2013100768 ( 22 )	2013100770 ( 22 )	2013100779 ( 22 )
2013100787 ( 22 )	2013100789 ( 22 )	2013100790 ( 22 )
2013100802 ( 22 )	2013100804 ( 22 )	2013101544 ( 22E )
2013101571 ( 22E )	2013263722 ( 14 )	2013263754 ( 14 )
2013263755 ( 14 )	2013263756 ( 14 )	2013263757 ( 14 )
2013263758 ( 14 )	2013263770 ( 14 )	2013349250 ( 14 )

2013349598 ( 14 )	2013351182 ( 14 )	2013352248 ( 14 )	2018101818 ( 22E )	2018101819 ( 22E )	2018101820 ( 22E )
2013352309 ( 14 )	2013352383 ( 14 )	2013352401 ( 14 )	2018101821 ( 22E )	2018101822 ( 22E )	2018101831 ( 22E )
2013352418 ( 14 )	2013352423 ( 14 )	2013352425 ( 14 )	2018101832 ( 22E )	2018101833 ( 22E )	2018101834 ( 22E )
2013352429 ( 14 )	2013352456 ( 14 )	2013352660 ( 14 )	2018101835 ( 22E )	2018101836 ( 22E )	2018101837 ( 22E )
2013352767 ( 14 )	2013356362 ( 14 )	2013369924 ( 14 )	2018101838 ( 22E )	2018101839 ( 22E )	2018101840 ( 22E )
2013396134 ( 14 )	2013405882 ( 14 )	2013405890 ( 14 )	2018101841 ( 22E )	2018101842 ( 22E )	2018101843 ( 22E )
2013405891 ( 14 )	2013406170 ( 14 )	2013406173 ( 14 )	2018101844 ( 22E )	2018101845 ( 22E )	2018101846 ( 22E )
2013406174 ( 14 )	2013406175 ( 14 )	2013406198 ( 14 )	2018101862 ( 22E )	2018102131 ( 22E )	2018203852 ( 14 )
2013406210 ( 14 )	2013406219 ( 14 )	2013406228 ( 14 )	2018209464 ( 5C )	2018210781 ( 5C )	2018215686 ( 5C )
<b>2014</b>			2018222383 ( 1B )	2018223427 ( 5C )	2018225517 ( 1B )
2014101244 ( 22E )	2014233607 ( 14 )	2014268200 ( 4C )	2018225736 ( 5C )	2018238632 ( 1B )	2018239635 ( 5C )
2014268210 ( 14 )	2014268211 ( 14 )	2014268215 ( 14 )	2018241952 ( 1B )	2018243452 ( 5C )	2018244293 ( 1B )
2014268276 ( 4C )	2014268799 ( 5C )	2014268801 ( 5C )	2018245790 ( 1B )	2018246209 ( 5C )	2018282338 ( 5C )
2014268828 ( 5C )	2014351308 ( 14 )	2014352692 ( 14 )	2018287429 ( 5C )	2018300150 ( 1B )	2018300446 ( 5C )
2014354694 ( 14 )	2014355402 ( 14 )	2014355407 ( 14 )	2018302985 ( 5C )	2018305080 ( 5C )	2018312075 ( 5C )
2014355438 ( 14 )	2014356273 ( 14 )	2014356912 ( 14 )			
2014359317 ( 5C )	2014361044 ( 14 )	2014367071 ( 14 )			
2014378602 ( 14 )	2014401667 ( 4C )	2014412634 ( 4C )			
<b>2015</b>					
2015101720 ( 22G )	2015101723 ( 22E )	2015101868 ( 22E )	<b>2019</b>		
2015203879 ( 5C )	2015205828 ( 5C )	2015221951 ( 5C )	2019200822 ( 5C )	2019200971 ( 14 )	2019201545 ( 5C )
2015227499 ( 14 )	2015238932 ( 5C )	2015249669 ( 5C )	2019201702 ( 25D )	2019201734 ( 14 )	2019201922 ( 5C )
2015261578 ( 14 )	2015261600 ( 4C )	2015261603 ( 4C )	2019201944 ( 5C )	2019202033 ( 5C )	2019202082 ( 5C )
2015261629 ( 4C )	2015261632 ( 4C )	2015268582 ( 5C )	2019202101 ( 5C )	2019202226 ( 5C )	2019202454 ( 5C )
2015268759 ( 5C )	2015282351 ( 4C )	2015321414 ( 5C )	2019202536 ( 5C )	2019203043 ( 5C )	2019203285 ( 5C )
2015330055 ( 5C )	2015330824 ( 5C )	2015336946 ( 5C )	2019203876 ( 5C )	2019203973 ( 5C )	2019204060 ( 4C )
2015341557 ( 5C )	2015343418 ( 5C )	2015352171 ( 5C )	2019204488 ( 5C )	2019204531 ( 4C )	2019206080 ( 5C )
2015353439 ( 4C )	2015353492 ( 4C )	2015355142 ( 5C )	2019206087 ( 5C )	2019208205 ( 5C )	2019210551 ( 5C )
2015357341 ( 4C )	2015359745 ( 14 )	2015361998 ( 4C )	2019210594 ( 5C )	2019210628 ( 25D )	2019210663 ( 4C )
2015363518 ( 14 )	2015366754 ( 14 )	2015366770 ( 14 )	2019222856 ( 4C )	2019222881 ( 5C )	2019222973 ( 5C )
2015370919 ( 5C )	2015371943 ( 14 )	2015375315 ( 5C )	2019236725 ( 5C )	2019240632 ( 5C )	2019250139 ( 4C )
2015380434 ( 5C )	2015387361 ( 14 )		2019250250 ( 5C )	2019253824 ( 4C )	2019280014 ( 5C )
2019284114 ( 25D )			2019284140 ( 25D )		
<b>2016</b>					
2016101797 ( 22 )	2016204183 ( 5C )	2016204209 ( 25D )	<b>2020</b>		
2016204249 ( 14 )	2016204257 ( 5C )	2016204316 ( 1B )	2020200276 ( 5C )	2020202256 ( 4C )	2020202913 ( 5C )
2016204425 ( 1B )	2016244334 ( 14 )	2016259439 ( 25D )			
2016262770 ( 4A )	2016265958 ( 4A )	2016265970 ( 4C )			
2016265971 ( 4A )	2016277584 ( 25D )	2016277625 ( 25D )			
2016290894 ( 5C )	2016294629 ( 1B )	2016308479 ( 25D )			
2016322016 ( 5C )	2016323982 ( 5C )	2016327184 ( 5C )			
2016330860 ( 5C )	2016333023 ( 5C )	2016335061 ( 25D )			
2016338383 ( 5C )	2016352648 ( 5C )	2016358316 ( 4C )			
2016362753 ( 4C )	2016364624 ( 5C )	2016365925 ( 14 )			
2016366624 ( 14 )	2016366625 ( 14 )	2016366626 ( 14 )			
2016368935 ( 4B )	2016371293 ( 5C )	2016371432 ( 5C )			
2016373862 ( 5C )	2016379372 ( 5C )	2016410299 ( 1B )			
<b>2017</b>					
2017101648 ( 22E )	2017101651 ( 22E )	2017200693 ( 5C )	<b>2021</b>		
2017200731 ( 14 )	2017202596 ( 14 )	2017202627 ( 1B )	2021101198 ( 18AN )	2021101440 ( 18AN )	2021201739 ( 1B )
2017204073 ( 1B )	2017204175 ( 1B )	2017204228 ( 1B )	2021901199 ( 12AN )		
2017204358 ( 1B )	2017204371 ( 1B )	2017235988 ( 5C )			
2017254942 ( 14 )	2017280101 ( 1B )	2017280104 ( 1B )			
2017280144 ( 1B )	2017280205 ( 1B )	2017280210 ( 1B )			
2017280440 ( 1B )	2017280855 ( 1B )	2017281484 ( 1B )			
2017281519 ( 1B )	2017281523 ( 1B )	2017281541 ( 1B )			
2017281997 ( 1B )	2017282084 ( 1B )	2017282707 ( 1B )			
2017283223 ( 1B )	2017287704 ( 1B )	2017287973 ( 1B )			
2017288693 ( 1B )	2017288729 ( 1B )	2017288969 ( 1B )			
2017289278 ( 1B )	2017289296 ( 1B )	2017290058 ( 1B )			
2017290080 ( 1B )	2017291411 ( 1B )	2017300558 ( 25D )			
2017326105 ( 1B )	2017326334 ( 1B )	2017328251 ( 1B )			
2017405239 ( 5C )					
<b>2018</b>					
2018100980 ( 22 )	2018101807 ( 22E )	2018101808 ( 22E )	<b>Assignments before Grant, Section 113</b>		
2018101809 ( 22E )	2018101810 ( 22E )	2018101811 ( 22E )	<b>2016</b>		
2018101812 ( 22E )	2018101813 ( 22E )	2018101814 ( 22E )	2016303209 E. I. du Pont de Nemours and Company The application has been assigned to <b>FMC Corporation</b>		
2018101815 ( 22E )	2018101816 ( 22E )	2018101817 ( 22E )	2016358628 Thompe B.V. The application has been assigned to <b>Zummo Innovaciones Mecanicas, S.A.U</b>		
			<b>2017</b>		
			2017208431 Siemens Aktiengesellschaft The application has been assigned to <b>Siemens Energy AS; Siemens Energy Global GmbH &amp; Co. KG</b>		
			2017217663 Cytokinetics, Incorporated; Astellas Pharma Inc. The application has been assigned to <b>Cytokinetics, Incorporated</b>		
			2017245117 Riken; JAPAN TOBACCO INC.; Tokyo Metropolitan University The application has been assigned to <b>KANEKA CORPORATION; Riken; Tokyo Metropolitan University</b>		
			2017256948 Precast India Infrastructures Pvt. Ltd. The application has been assigned to <b>Lucobit AG</b>		
			2017298024 iBIONICS Inc. The application has been assigned to <b>Patrick, James</b>		

**Assignments before Grant, Section 113**

2017327753 University of Manitoba The application has been assigned to **DuluxGroup (Australia) Pty Ltd**

**2018**

2018215445 Japan Tobacco Inc.; Tokyo Metropolitan University; Riken The application has been assigned to **KANEKA CORPORATION; Riken; Tokyo Metropolitan University**

2018280528 Japan Tobacco Inc.; Institute of Crop Science, Chinese Academy of Agricultural Sciences The application has been assigned to **KANEKA CORPORATION; Institute of Crop Science, Chinese Academy of Agricultural Sciences**

2018286482 Freedom Physiotherapy WA Pty Ltd The application has been assigned to **Powell, Jordan**

2018286964 LEO Pharma A/S The application has been assigned to **UNION therapeutics A/S**

2018329843 STEWART, Alex; Teague, Philip The application has been assigned to **Visuray Intech Ltd (BVI)**

**2019**

2019395569 Ling, Zilong The application has been assigned to **AICI Technology (Shenzhen) Co. Ltd.**

**2020**

2020203563 SurgiQual Institute The application has been assigned to **Alphatec Spine, Inc.**

2020267261 Delmoni, Alex The application has been assigned to **Schenck Process Australia Pty Ltd**

2020356797 Left Hand Robotics, Inc. The application has been assigned to **The Toro Company**

**Extensions of Time, Section 223****Applications Received**

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

**2009**

2009307038 **Manrex Pty. Ltd** An application to extend the time from 20 Oct 2020 to 20 Jun 2021 in which to pay a renewal fee has been filed . Address for service - H J Rantzen 85 John Street Woollahra NSW 2025 AU

**2012**

2012345478 **Integrita Computing Systems India Private Limited** An application to extend the time from 30 Nov 2020 to 30 Jun 2021 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2013**

2013313054 **Akzo Nobel Surface Chemistry LLC; Dow AgroSciences LLC** An application to extend the time from 30 Aug 2020 to 30 Apr 2021 in which to pay a renewal fee has been filed . Address for

**Extensions of Time, Section 223**

service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

**2015**

2015275286 **CALDWELL, H.; EATON, B.** An application to extend the time from 26 May 2019 to 26 Feb 2021 in which to request examination and pay the continuation fee has been filed . Address for service - Baxter Patent Attorneys Pty Ltd Se 2, L 3A 1 Bligh St Sydney NSW 2000 AU

2015330851 **Boston Biopharm, Inc.** An application to extend the time from 08 Oct 2019 to 08 Nov 2020 in which to pay the continuation fee has been filed . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

**2016**

2016200258 **RESILUX** An application to extend the time from 24 Sep 2020 to 24 Apr 2021 in which to pay a renewal fee has been filed . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2016343175 **River 1 Limited** An application to extend the time from 24 Oct 2020 to 24 May 2021 in which to pay a continuation fee has been filed . Address for service - SynergyIP Limited 1/52 Wendover Rd Glendowie Auckland 1071 NZ

**2017**

2017101226 **QB Foods Pty Ltd** An application to extend the time from 20 Sep 2020 to 20 Apr 2021 in which to pay a renewal fee has been filed . Address for service - FB Rice Pty Ltd Level 23 44 Market Street Sydney NSW 2000 AU

2017101655 **AKS INDUSTRIES AUSTRALIA PTY LTD** An application to extend the time from 21 Nov 2020 to 21 Jun 2021 in which to pay a renewal fee has been filed . Address for service - Churchill Attorneys PO Box 3238 BURNLEY NORTH VIC 3121 AU

**Applications Allowed - Section 223(2)****2003**

2003218277 **Corda Technologies** The time in which to pay the renewal fee has been extended to 19 Jan 2021 . Address for service - Griffith Hack GPO Box 3125 Brisbane QLD 4001 AU

**2004**

2004256295 **Mintek** The time in which to pay the renewal fee has been extended to 14 Mar 2021 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

**2016**

2016311392 **EnSCO Services Limited** The time in which to pay the renewal fee has been extended to 25 Mar 2021 . Address for service - Spruson & Ferguson GPO BOX 3898 Sydney NSW 2001 AU

2016369631 **Ardelyx, Inc.** The time in which to request examination has been extended to 07 Feb 2021 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

## Extensions of Time, Section 223

### 2017

2017254824 **Wicked Witch Software Pty Ltd** The time in which to pay the examination request fee has been extended to 15 Apr 2021 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

### 2018

2018200317 **EIS GmbH** The time in which to pay a renewal fee has been extended to 27 Feb 2021 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

### 2019

2019283096 **XW LABORATORIES INC.** The time in which to enter the National Phase has been extended to 06 Apr 2021 . Address for service - MINTER ELLISON Collins Arch 447 Collins St Melbourne VIC 3000 AU

### 2021

2021200998 **Proda Biotech LLC** The time in which to make a further application for a divisional patent has been extended to 11 Mar 2021 . Address for service - Cotters Patent & Trade Mark Attorneys GPO Box 469 Sydney NSW 2001 AU

2021203243 **F. Hoffmann-La Roche AG** The time in which to make a further application for a divisional patent has been extended to 18 Jun 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

## Amendments

### Applications for Amendment

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

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

### 2012

2012216809 Catheter fixation device **KPR U.S., LLC** The nature of the amendment is: Amend the name of the patentee to read Covidien LP . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

### 2015

2015252858 Compositions and methods for modulating Complement Factor B expression **Ionis Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 04 Jun 2021 . Address for service - RnB IP Pty Ltd PO Box 9530 DEAKIN ACT 2600 AU

2015341481 T cell receptors directed against Bob1 and uses thereof **Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)** The nature of the amendment is as shown in the statement(s) filed 27 May 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2015370918 Binding protein drug conjugates comprising anthracycline derivatives **NBE-Therapeutics AG** The nature of the amend-

## Amendments

ment is as shown in the statement(s) filed 21 Apr 2021 . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

2015371036 A cutting device and a cutting system for cutting food products **Marel Iceland Ehf** The nature of the amendment is as shown in the statement(s) filed 04 Jun 2021 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

### 2016

2016219204 Use of Plinabulin in combination with immune checkpoint inhibitors **BeyondSpring Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 27 May 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2016232448 Treatment type 2 diabetes mellitus patients **Sanofi-Aventis Deutschland GmbH** The nature of the amendment is as shown in the statement(s) filed 08 Jun 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

### 2017

2017208310 Audio object separation from mixture signal using object-specific time/frequency resolutions **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.** The nature of the amendment is as shown in the statement(s) filed 14 May 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2017228502 Microbial consortium and uses thereof **The Regents of the University of California** The nature of the amendment is as shown in the statement(s) filed 07 Jun 2021 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2017254884 Compact head body hammer **Snap-on Incorporated** The nature of the amendment is as shown in the statement(s) filed 27 May 2021 . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

2017266896 Hydrophobic intraocular lens **Benz Research and Development Corp.** The nature of the amendment is as shown in the statement(s) filed 04 Jun 2021 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

### 2018

2018203659 STIMULATION DEVICE HAVING AN APPENDAGE **Novoluto GmbH** The nature of the amendment is as shown in the statement(s) filed 05 Mar 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018208662 Methods and Compositions for Treating Schizophrenia **The Johns Hopkins University** The nature of the amendment is: Amend the name of the inventor to read Gallagher, Michela and Koh, Ming Teng . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018278911 Genome engineering **President and Fellows of Harvard College** The nature of the amendment is as shown in the

**Amendments**

statement(s) filed 13 May 2021 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2018395933 Content management client synchronization service  
**Dropbox, Inc.** The nature of the amendment is as shown in the statement(s) filed 28 May 2021 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

**2019**

2019201548 Methods of modulating drug plasma levels using erythrohydroxybupropion **Antecip Bioventures II LLC** The nature of the amendment is as shown in the statement(s) filed 07 Jun 2021 . Address for service - RnB IP PO Box 9530 Deakin ACT 2600 AU

**2020**

2020103961 PORTABLE OPERATING DRUG CRUSHING DEVICE SUITABLE FOR EMERGENCY DEPARTMENT **Affiliated Hospital of Youjiang Medical College for Nationalities** The nature of the amendment is: Amend the name of the Patentee to read The Affiliated Hospital of Youjiang Medical University for Nationalities . Address for service - MOHAN MURALI KODIVEL P.O. Box 292 Pendle Hill NSW 2145 AU

2020202651 PHARMACEUTICAL COMPOSITION **Mexichem Fluor S.A. de C.V.** The nature of the amendment is as shown in the statement(s) filed 07 Jun 2021 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2021**

2021100138 A vehicle awning support and method of use **Patriot Campers Holdings Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 31 May 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021100266 ASSAY SPECIMEN TREATMENT DEVICE FOR HEPATOBLIARY SURGERY **Affiliated Hospital of Youjiang Medical College for Nationalities** The nature of the amendment is: Amend the name of the Patentee to read The Affiliated Hospital of Youjiang Medical University for Nationalities . Address for service - MOHAN MURALI KODIVEL P.O. Box 292 Pendle Hill NSW 2145 AU

2021101750 Seed Crystal Preparation Method Applied to Crystallization Process **Qingdao University of Science Technology** The nature of the amendment is: Amend the name of the Patentee to read Qingdao University of Science & Technology . Address for service - Alder IP Pty Ltd Suite 202 24 Thomas Street CHATSWOOD NSW 2067 AU

**Amendments Made****2003**

2003268590 **LG Electronics Inc.** The nature of the amendment is as shown in the statements filed 24 Feb 2021

**2014**

2014200376 **DEKA Products Limited Partnership** The nature of the amendment is: Amend the name of the inventor to read Kamen, Dean; Perry, N. Christopher; Demers, Jason A.; Tracey, Brian; Chawan, Arun D. and Grant, Kevin L.

**Amendments****2015**

2015200544 **PGS Geophysical AS** The nature of the amendment is as was notified in the Supplement to the Official Journal dated 08 Apr 2021

2015200555 **PGS Geophysical AS** The nature of the amendment is as was notified in the Supplement to the Official Journal dated 08 Apr 2021

2015320678 **Genentech, Inc.** The nature of the amendment is: Amend the name of the inventor to read POLSON, Andrew; YU, Shang-Fan; CHU, Yu-Waye; WENGER, Michael; HIRATA, Jamie Harue and LU, Dan

2015326407 **EnGeneC Molecular Delivery Pty Ltd** The nature of the amendment is as shown in the statement filed 15 Mar 2021

2015366578 **Etex Services NV** The nature of the amendment is as shown in the statement filed 15 Mar 2021

**2016**

2016204226 **DEKA Products Limited Partnership** The nature of the amendment is: Amend the name of the inventor to read Kamen, Dean; Perry, N. Christopher; Demers, Jason A.; Tracey, Brian; Chawan, Arun D. and Grant, Kevin L.

2016239875 **CommScope Connectivity Belgium BVBA** The nature of the amendment is as shown in the statement filed 17 Mar 2021

2016250030 **Allnex Netherlands B.V.** The nature of the amendment is as shown in the statement filed 18 Mar 2021

2016257146 **Maltana Australia Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2016102465

2016305299 **Arch Biopartners, Inc.** The nature of the amendment is: Amend the name of the inventor to read Robbins, Stephen Mark; Senger, Donna Lorraine; Rahn, Jennifer Joy; Choudhury, Saurav Roy; Lau, Arthur Wing Sze and Muruve, Daniel Abraham

**2017**

2017216482 **Brenstone Nominees Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2017101910

2017225932 **SecureKey Technologies Inc.** The nature of the amendment is as shown in the statement filed 13 Jan 2021

2017253581 **DEKA Products Limited Partnership** The nature of the amendment is: Amend the name of the inventor to read Kamen, Dean; Perry, N. Christopher; Demers, Jason A.; Tracey, Brian; Chawan, Arun D. and Grant, Kevin L.

2017275112 **Kao Corporation** The nature of the amendment is as shown in the statement filed 12 Mar 2021

2017313828 **The UAB Research Foundation; IN8bio, Inc.** The nature of the amendment is: Amend the name of the inventor to read Ho, William and Lamb, Lawrence S.

**Amendments**

2017340607 **NuVasive, Inc.** The nature of the amendment is: Amend the name of the inventor to read Finley, Eric; Covell, Mark; Geiger, D.J.; Murray, Shannon; Nesbitt, Bryce; Nimrodi, Guy and Ubach, Antonio

2017376544 **Hua Medicine (Shanghai) Ltd.** The nature of the amendment is as shown in the statement filed 18 Mar 2021

2017397231 **Compagnie Generale des Etablissements Michelin** The nature of the amendment is: Amend the invention title to read Aerodynamic system with dual zone fairing for truck

**2018**

2018251949 **Institut Gustave Roussy** The nature of the amendment is: Amend the name of the inventor to read Apcher, Sébastien; Pierson, Alison; Boulpicante, Mathilde; Renko, Zafiarisoa Dolor; Alami, Mouad and Darrigrand, Romain

2018267289 **Korea Research Institute of Standards and Science** The nature of the amendment is: Amend the name of the inventor to read Burton, David; YU, Kwon Kyu; LEE, Yong-Ho; KWON, Hyuk Chan; KIM, Jin Mok and LEE, Sang Kil

2018308331 **Multilex, Inc.** The nature of the amendment is: Amend the name of the inventors to read KIM, Yong Tae and MOON, Jun Hye

2018359218 **NantBio, Inc.** The nature of the amendment is: Amend the name of the inventor to read SOON-SHIONG, Patrick; NIAZI, Kayvan; TANAKA, Shihio; VAN LEW, Jon Thomas; OLSON, Clifford Anders and LUI, Philip

**2019**

2019101788 **Edge Electrons Limited** The nature of the amendment is as shown in the statement filed 18 May 2021

2019203955 **Bluebird Bio, Inc.** The nature of the amendment is as shown in the statement filed 17 Mar 2021

2019222491 **Sunovion Pharmaceuticals Inc.** The nature of the amendment is: Amend the name of the inventor to read BAUER, Andrea; BHOGLE, Nandkumar Nivritti; CHEN, Xiaoxia; JAMZAD, Shahla; PRYTKO, Robert Joseph; SARANTEAS, Kostas; WILKINSON, Harold Scott; ZHANG, Haitao and SIZENSKY, Michael Joseph

2019321697 **Commonwealth Scientific and Industrial Research Organisation** The nature of the amendment is as shown in the statement filed 04 Jun 2021

2019327451 **Canada Mining Innovation Council** The nature of the amendment is as shown in the statement(s) filed 26 Mar 2021

2019337074 **Samsung Electronics Co., Ltd.** The nature of the amendment is as shown in the statement filed 03 Jun 2021

2019349036 **BravoVax Co., Ltd** The nature of the amendment is: Amend the name of the inventor to read MU, Ting; ZHAO, Ping; XU, Long; XIAO, Yang; JULIEN, Jean-philippe; WU, Yue; XIE, Liang; CHEN, Xueting; LIU, Qi; SIA, Charles Dwo Yuan; CHONG, Pele Choi Sing; KLEIN, Michel; DU, Linsen and WU, Ke

2019355021 **Cavion, Inc.** The nature of the amendment is: Amend the name of the inventor to read LEE, Margaret S.; PAPAPETRO-

**Amendments**

POULOS, Spyridon; HIGGIN, Michelle S.; DUVVURI, Muralikrishna; REHLAENDER, Bruce N. and NEWBOLD, Evan

2019358417 **Metis Precision Medicine Sb S.R.L.** The nature of the amendment is as shown in the statement filed 28 May 2021

2019359510 **Gunnebo Entrance Control Ltd.** The nature of the amendment is: Amend the name of the inventor to read PORT, Iain David

2019362348 **BY-HEALTH Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read WEI, Jingqiang; HUANG, Yuanying; ZHANG, Xuguang; LIU, Meijuan and MAI, Wenqiong

2019372250 **Amicro Semiconductor Co., Ltd.** The nature of the amendment is: Amend the invention title to read Method and System for Path Sweeping of Cleaning Robot, and Chip

2019372375 **Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.** The nature of the amendment is: Amend the invention title to read VIDEO MONITORING METHOD AND SYSTEM FOR BLADE OF WIND TURBINE

2019375963 **University of Louisville Research Foundation** The nature of the amendment is: Amend the name of the inventor to read STEINBACH-RANKINS, Jill and PALMER, Kenneth

2019384733 **New York University** The nature of the amendment is: Amend the invention title to read INHIBITORS OF GLI1 AS THERAPEUTIC AGENTS

2019388670 **Baoshan Iron & Steel Co., Ltd.** The nature of the amendment is: Amend the invention title to read Clad steel plate of super duplex stainless steel and manufacturing method thereof

2019393785 **Ohio State Innovation Foundation** The nature of the amendment is as shown in the statement filed 30 May 2021

2019397017 **Samsung Electronics Co., Ltd.** The nature of the amendment is: Amend the invention title to read CLEANING APPARATUS HAVING VACUUM CLEANER AND DOCKING STATION

2019398140 **BIOTRONIK SE & Co. KG** The nature of the amendment is as shown in the statement filed 25 May 2021

2019398268 **Nunhems B.V.** The nature of the amendment is: Amend the name of the inventor to read SUSIN ARRIETA, Ignacio; PRAKASH, Gowtham; APARICIO CIRRE, Maria Rocio; VRIEZEN, Wim; MERTENS, Lieke; GISBERTS, Louis; GAWENDA, Inka; DAVILA OLIVAS, Nelson and GALEANO MENDOZA, Carlos Hernando

2019454858 **Liu, D.** The nature of the amendment is: Application is to proceed under the number 2019101804

**2020**

2020200225 **Cosmax NBT, Inc.; Cosmax NS, Inc.; Industry-Academic Cooperation Foundation, Yonsei University** The nature of the amendment is: Amend the invention title to read COMPOSITION FOR IMPROVEMENT OF MUSCLE FUNCTION CONTAINING 3,5-DI-CAFFEOYLQUINIC ACID OR CHRYSANTHEMUM EXTRACT

**Amendments**

2020202330 **DEKA Products Limited Partnership** The nature of the amendment is: Amend the name of the inventor to read Kamen, Dean; Perry, N. Christopher; Demers, Jason A.; Tracey, Brian; Chawan, Arun D. and Grant, Kevin L.

2020208564 **Dr. Willmar Schwabe GmbH & Co. KG** The nature of the amendment is: Amend the invention title to read Process for the preparation of easy-to-take tablets containing dry extract of Ginkgo biloba leaves

2020247986 **Nippon Steel Corporation** The nature of the amendment is: Amend the invention title to read Threaded connection for steel pipe

**2021**

2021102901 **PULL IN PLACE PTY LTD** The nature of the amendment is: Amend the priority details to read 2020902888 14 Aug 2020 AU

2021102902 **PULL IN PLACE PTY LTD** The nature of the amendment is: Amend the priority details to read 2020902888 14 Aug 2020 AU

**Alteration of Name(s) of Applicant(s)/Patentee(s)****2003**

2003218011 Hexion Specialty Chemicals, Inc. The name of the patentee has been altered to **Hexion Inc.**

**2015**

2015287926 ExploraMed NC7, Inc. The name of the patentee has been altered to **Willow Innovations, Inc.**

2015317342 ExploraMed NC7, Inc. The name of the patentee has been altered to **Willow Innovations, Inc.**

**2016**

2016221423 ADC Communications (Australia) Pty Limited The name of the applicant has been altered to **CommScope Technologies Australia Pty Ltd; Commscope Connectivity Australia Pty Ltd.**

2016224085 FiberCore IP B.V. The name of the applicant has been altered to **InfraCore IP B.V.**

2016300218 RMIT University The name of the applicant has been altered to **Royal Melbourne Institute of Technology**

2016316563 Statoil Petroleum AS The name of the applicant has been altered to **Equinor Energy AS**

**2017**

2017258829 CHUAN JIING ENTERPRISE CO., LTD. The name of the applicant has been altered to **Chuan Jing Enterprise Co., Ltd**

2017272367 GE Oil & Gas ESP, Inc The name of the applicant has been altered to **Baker Hughes ESP, Inc.**

2017298104 GE Oil & Gas ESP, Inc. The name of the applicant has been altered to **Baker Hughes ESP, Inc.**

**Amendments****2018**

2018275751 B.R.A.I.N. Biotechnology Research and Information Network AG The name of the applicant has been altered to **BRAIN Biotech AG**

2018306608 Anvil International, LLC The name of the applicant has been altered to **ASC Engineered Solutions, LLC**

2018307817 Anvil International, LLC The name of the applicant has been altered to **ASC Engineered Solutions, LLC**

2018307818 Anvil International, LLC The name of the applicant has been altered to **ASC Engineered Solutions, LLC**

**2019**

2019236599 ExploraMed NC7, Inc. The name of the applicant has been altered to **Willow Innovations, Inc.**

2019375963 University of Louisville Research Foundation; Jill Steinback-Rankins ; Kenneth Palmer The name of the applicant has been altered to **University of Louisville Research Foundation**

**2020**

2020202382 ExploraMed NC7, Inc. The name of the applicant has been altered to **Willow Innovations, Inc.**

2020203701 ExploraMed NC7, Inc. The name of the applicant has been altered to **Willow Innovations, Inc.**

**2021**

2021101441 FUELIX International Pvt Ltd; Galgotias University; Galgotias College of Engineering & Technology; Maduri, Praveen Kumar; Sharma, Vishnu; Kaur, Japjeet; Anjum, Shehroz; Dhiman, Preeti; Kaushal, Avinash The name of the applicant has been altered to **FUELIX International Pvt Ltd; Galgotias University; Galgotias College of Engineering & Technology; Maduri, P.K.; Sharma, V.; Kaur, J.; Anjum, S.; Dhiman, P.; Kaushal, A.**

2021102635 Terry Irons ; Daniel Garcia; Christian Pacheco The name of the applicant has been altered to **Virtual IT Group Pty Ltd**

## Applications Open to Public Inspection

## Name Index

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

(71) ABB Power Grids Switzerland AG  
 (11) AU-A-2021203476  
 (21) 2021203476 (22) 27.05.2021  
 (54) Nested microgrid control system  
 (51) Int. Cl.  
*H02J 3/06* (2006.01)  
*H02J 3/10* (2006.01)  
*H02J 3/12* (2006.01)  
 (43) 24.06.2021  
 (62) 2018261510  
 (72) HONG, Junho; KONDABATHINI, Anil; ISHCHEKO, Dmitry; MONDAL, Abrez  
 (74) Griffith Hack

(71) AbbVie Inc.  
 (11) AU-A-2021203358  
 (21) 2021203358 (22) 24.05.2021  
 (54) Methods of treatment of diseases in which IL-13 activity is detrimental using anti-IL-13 antibodies  
 (51) Int. Cl.  
*C07K 16/28* (2006.01)  
*A61K 31/56* (2006.01)  
*A61K 39/395* (2006.01)  
*A61K 45/06* (2006.01)  
 (43) 24.06.2021  
 (62) 2019275659  
 (72) TIMONY, Gregg; GUJRATHI, Sheila; PEACH, Robert; OLSON, Allan  
 (74) Spruson & Ferguson

(71) Accenture Global Solutions Limited  
 (11) AU-A-2020281149  
 (21) 2020281149 (22) 04.12.2020  
 (54) ADAPTIVE USER AUTHENTICATION  
 (51) Int. Cl.  
*G06F 21/32* (2013.01)  
*G06K 9/00* (2006.01)  
 (31) 62/945,712 (32) 09.12.19 (33) US 17/105,281 25.11.20 US  
 (43) 24.06.2021  
 (72) McDougall, Anthony Peter; SIMMONS, Michael John; LANDMAN, Gerard Johan  
 (74) Murray Trento & Associates Pty Ltd

(71) AC Immune SA  
 (11) AU-A-2021203340  
 (21) 2021203340 (22) 24.05.2021  
 (54) 1, 3, 4, 5-Tetrahydro-2H-Pyrido[4,3-B]Indole Derivatives For The Treatment, Alleviation Or Prevention Of Disorders Associated With Tau Aggregates Like Alzheimer's Disease  
 (51) Int. Cl.  
*C07D 471/04* (2006.01)  
*A61K 31/437* (2006.01)  
*A61P 25/28* (2006.01)

(43) 24.06.2021  
 (62) 2019205087  
 (72) NAMPALLY, Sreenivasachary; GABELLIERI, Emanuele; MOLETTE, Jérôme  
 (74) WRAYS PTY LTD

(71) Acorda Therapeutics, Inc.  
 (11) AU-A-2021203369  
 (21) 2021203369 (22) 25.05.2021  
 (54) METHOD FOR ACHIEVING DESIRED GLIAL GROWTH FACTOR 2 PLASMA LEVELS  
 (51) Int. Cl.  
*A61K 38/18* (2006.01)  
*A61P 25/02* (2006.01)  
 (43) 24.06.2021  
 (62) 2019203654  
 (72) Kim, Haesun; Caggiano, Anthony O.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Acres Technology  
 (11) AU-A-2021203424  
 (21) 2021203424 (22) 26.05.2021  
 (54) Method and Apparatus for Generating a Virtual Win  
 (51) Int. Cl.  
*A63F 13/47* (2014.01)  
 (43) 24.06.2021  
 (62) 2019206080  
 (72) Acres, John F.  
 (74) Golja Haines & Friend

ACTT TECNOLOGIA E TREINAMENTOS AMFG LTDA see DJM EMPREENDIMENTOS MINERAIS E CONSULTORIA EM ENGENHARIA LTDA  
 (21) 2019275674

(71) Adobe Inc.  
 (11) AU-A-2020244577  
 (21) 2020244577 (22) 02.10.2020  
 (54) SLOT FILLING WITH CONTEXTUAL INFORMATION  
 (51) Int. Cl.  
*G06N 20/00* (2019.01)  
*G06F 40/30* (2020.01)  
*G06T 11/60* (2006.01)  
 (31) 16/706,180 (32) 06.12.19 (33) US  
 (43) 24.06.2021  
 (72) Dernoncourt, Franck; Veyseh, Amir Pouran Ben  
 (74) RnB IP Pty Ltd

(71) Advanced New Technologies Co., Ltd.  
 (11) AU-A-2021203493  
 (21) 2021203493 (22) 28.05.2021  
 (54) Business verification method and apparatus

(51) Int. Cl.  
*G06Q 10/00* (2012.01)  
 (43) 24.06.2021  
 (62) 2018225736  
 (72) Li, Ning  
 (74) Spruson & Ferguson

(71) Afiniti Europe Technologies Limited  
 (11) AU-A-2021203487  
 (21) 2021203487 (22) 28.05.2021  
 (54) TECHNIQUES FOR BEHAVIORAL PAIRING IN A CONTACT CENTER SYSTEM  
 (51) Int. Cl.  
*H04M 3/50* (2006.01)  
*G06Q 10/06* (2012.01)  
 (43) 24.06.2021  
 (62) 2019210594  
 (72) KAN, Ittai; KLUGERMAN, Michael Richard; RILEY, Blake Jay  
 (74) AJ PARK

(71) Alcon Inc.  
 (11) AU-A-2021203350  
 (21) 2021203350 (22) 24.05.2021  
 (54) INTRAOCULAR LENS MATERIALS AND COMPONENTS  
 (51) Int. Cl.  
*A61F 2/16* (2006.01)  
*A61F 2/00* (2006.01)  
*A61F 2/14* (2006.01)  
*G02C 7/02* (2006.01)  
 (43) 24.06.2021  
 (62) 2016275073  
 (72) Hajela, Sharad; Abdelsadek, Gomaa; Halenbeck, Sean  
 (74) Phillips Ormonde Fitzpatrick

**Alveo Technologies Inc.** see **The Regents of the University of California**  
 (21) 2021203343

**Anderson, M.** see **Frantz Design Incorporated**  
 (21) 2021203381

**Annapragada, A.** see **Texas Children's Hospital**  
 (21) 2021203388

(71) Ansell Limited  
 (11) AU-A-2021203390  
 (21) 2021203390 (22) 25.05.2021  
 (54) Highly chemical resistant glove  
 (51) Int. Cl.  
*A41D 19/015* (2006.01)  
*A41D 19/00* (2006.01)

## Applications Open to Public Inspection - Name Index cont'd

- (43) 24.06.2021  
 (62) 2016321449  
 (72) MEGAT ABDUL AZIZ, Putri Faridatul Akmar Binti; CHIN, Mei Yee; RASTAM, Norazilayati Binti; ZAWAWI, Mohd Fairuz Bin Mohamad; MOHAMED, Hamidon Zain Bin; HASSAN, Noorman Abu; WAN AHMAD, Wan Ashruzi Bin  
 (74) Spruson & Ferguson
- 
- (71) Ascentage Pharma (Suzhou) Co., Ltd.; Ascentage Pharma Group Corp Limited; Shanghai Yasheng Pharmaceutical Technology Co., Ltd.  
 (11) AU-A-2019449883  
 (21) 2019449883 (22) 09.12.2019  
 (54) Pharmaceutical composition containing alkynyl compound and preparation method and application thereof  
 (51) Int. Cl.  
*A61K 31/00* (2006.01)  
*A61P 35/00* (2006.01)  
 (43) 24.06.2021  
 (72) LIN, Yanqiong; WEN, Jianfeng; XU, Feng; HUANG, Jiaan; LI, Shixiong; HE, Xiaoling; LIANG, Shihe  
 (74) Shelston IP Pty Ltd.
- 
- Ascentage Pharma Group Corp Limited**  
**see Ascentage Pharma (Suzhou) Co., Ltd.**  
 (21) 2019449883
- 
- (71) B.H. Mayer's Kunstprägeanstalt GmbH  
 (11) AU-A-2020286240  
 (21) 2020286240 (22) 09.12.2020  
 (54) Coin or medal  
 (51) Int. Cl.  
*G11B 3/00* (2006.01)  
*A44C 3/00* (2006.01)  
*A44C 21/00* (2006.01)  
 (31) 10 2019 133 806.9 (32) 10.12.19 (33) EP  
 (43) 24.06.2021  
 (72) WEGNER, Alex  
 (74) Spruson & Ferguson
- 
- (71) B&L Biotech, Inc.; Lee, I.  
 (11) AU-A-2020201075  
 (21) 2020201075 (22) 14.02.2020  
 (54) Digital measurement apparatus and digital measurement method using the same  
 (51) Int. Cl.  
*G01B 11/02* (2006.01)  
*A61C 19/04* (2006.01)  
 (31) 10-2019-0164002 (32) 10.12.19 (33) KR  
 (43) 24.06.2021  
 (72) Lee, In Whan; Choi, Gi Soo  
 (74) Shelston IP Pty Ltd.
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- (71) Baxter Corporation Englewood  
 (11) AU-A-2021203380  
 (21) 2021203380 (22) 25.05.2021  
 (54) IMPROVED WORK STATION FOR MEDICAL DOSE PREPARATION SYSTEM  
 (51) Int. Cl.
- (43) 24.06.2021  
 (62) 2019208270  
 (72) WEBER, Wesley J.; MCEACHERN, Ian; RANALLETTA, Joseph V.  
 (74) K&L Gates
- 
- (71) Berkeley Lights, Inc.  
 (11) AU-A-2021203363  
 (21) 2021203363 (22) 24.05.2021  
 (54) Culturing station for microfluidic device  
 (51) Int. Cl.  
*C12M 3/06* (2006.01)  
*B01L 3/00* (2006.01)  
*C12M 1/00* (2006.01)  
*C12M 1/02* (2006.01)  
*C12M 3/00* (2006.01)  
 (43) 24.06.2021  
 (62) 2016250580  
 (72) BREINLINGER, Keith J.; NEWS-TROM, Russel A.; NEVILL, J. Tanner; MCEWEN, Jason M.; WEISBACH, David A.  
 (74) FB Rice Pty Ltd
- 
- (71) BISSELL, Inc.  
 (11) AU-A-2020281023  
 (21) 2020281023 (22) 01.12.2020  
 (54) Handheld extraction cleaner  
 (51) Int. Cl.  
*A47L 1/05* (2006.01)  
*A47L 5/30* (2006.01)  
*A47L 7/00* (2006.01)  
 (31) 62/943,442 (32) 04.12.19 (33) US  
 (43) 24.06.2021  
 (72) ROYALE, Victoria J.  
 (74) Griffith Hack
- 
- (71) BISSELL Inc.  
 (11) AU-A-2020281029  
 (21) 2020281029 (22) 01.12.2020  
 (54) Surface cleaning apparatus  
 (51) Int. Cl.  
*A47L 11/292* (2006.01)  
*A47L 9/04* (2006.01)  
*A47L 11/24* (2006.01)  
 (31) 62/945,263 (32) 09.12.19 (33) US  
 (43) 24.06.2021  
 (72) PRUITT, Jason W.; RESCH, Jacob; HOTARY, James Theodore; WANG, Guoshun  
 (74) Griffith Hack
- 
- (71) BISSELL Inc.  
 (11) AU-A-2020281051  
 (21) 2020281051 (22) 02.12.2020  
 (54) Autonomous floor cleaner and docking station  
 (51) Int. Cl.  
*A47L 9/28* (2006.01)  
*A46B 13/02* (2006.01)  
*G05D 1/02* (2020.01)  
*H02J 7/02* (2016.01)  
 (31) 62/944,602 (32) 06.12.19 (33) US
- 
- (43) 24.06.2021  
 (72) BROWN, Adam  
 (74) Griffith Hack
- 
- (71) BISSELL Inc.  
 (11) AU-A-2020281062  
 (21) 2020281062 (22) 02.12.2020  
 (54) Autonomous floor cleaner with audible warning  
 (51) Int. Cl.  
*A47L 11/202* (2006.01)  
*A47L 11/24* (2006.01)  
*A47L 11/33* (2006.01)  
*A47L 11/40* (2006.01)  
 (31) 62/944,593 (32) 06.12.19 (33) US  
 (43) 24.06.2021  
 (72) BROWN, Adam  
 (74) Griffith Hack
- 
- (71) Blossom Innovations, LLC; The General Hospital Corporation  
 (11) AU-A-2021203339  
 (21) 2021203339 (22) 24.05.2021  
 (54) Method and apparatus for selective treatment of biological tissue  
 (51) Int. Cl.  
*H01J 37/075* (2006.01)  
*A61B 6/00* (2006.01)  
*A61B 18/20* (2006.01)  
*A61N 5/06* (2006.01)  
*G01N 15/10* (2006.01)  
*G01N 15/14* (2006.01)  
 (43) 24.06.2021  
 (62) 2017382440  
 (72) Anderson, Richard Rox; Manstein, Dieter; Chan, Henry Hin Lee; Zuo, Vincent  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Boston Scientific Scimed, Inc.  
 (11) AU-A-2021203393  
 (21) 2021203393 (22) 25.05.2021  
 (54) Systems and methods for treating the bladder with condensable vapor  
 (51) Int. Cl.  
*A61B 18/04* (2006.01)  
 (43) 24.06.2021  
 (62) 2016260529  
 (72) HOEY, Michael; FIORE, Maximillian D.  
 (74) Spruson & Ferguson
- 
- (71) Built Robotics Inc.  
 (11) AU-A-2021203364  
 (21) 2021203364 (22) 24.05.2021  
 (54) Excavating earth from a dig site using an excavation vehicle  
 (51) Int. Cl.  
*G05D 1/02* (2020.01)  
*E02F 1/00* (2006.01)  
*E02F 9/00* (2006.01)  
 (43) 24.06.2021  
 (62) 2018210524  
 (72) Chou, Linus; Walker, Edward; Wawrzonk, Christian; Ready-Campbell, Cyrus; Ready-Campbell, Noah; Liang, Andrew  
 (74) FB Rice Pty Ltd

## Applications Open to Public Inspection - Name Index cont'd

(71) Byford Equipment Pty Ltd (11) AU-A-2019279957 (21) 2019279957      (22) 10.12.2019 (54) Refrigerated Tanker (51) Int. Cl. B60P 3/22 ( 2006.01 ) A01J 9/04 ( 2006.01 ) B60P 3/20 ( 2006.01 ) B65D 85/80 ( 2006.01 ) B65D 88/12 ( 2006.01 ) B65D 88/74 ( 2006.01 ) B65D 90/02 ( 2019.01 ) (43) 24.06.2021 (72) Byford, Gary; Nisbet, Christopher (74) Sandercock & Cowie	(51) Int. Cl. A61J 1/20 ( 2006.01 ) (43) 24.06.2021 (62) 2017208831 (72) Cheng, Marco; Yeh, Jonathan; Park, Soon (74) FB Rice Pty Ltd	(54) PRODUCING CALCIUM PHOSPHATE COMPOSITIONS (51) Int. Cl. C01B 25/32 ( 2006.01 ) C01F 11/06 ( 2006.01 ) (43) 24.06.2021 (62) 2016327184 (72) De Oliveira, Lupércio Tarcísio (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
(71) Byondis B.V. (11) AU-A-2021203331 (21) 2021203331      (22) 24.05.2021 (54) Compositions comprising antibody-duo-carmycin drug conjugates (51) Int. Cl. A61K 9/19 ( 2006.01 ) A61K 47/18 ( 2017.01 ) A61K 47/26 ( 2006.01 ) (43) 24.06.2021 (62) 2016292759 (72) Osinga, Niels Jaap; Boxmeer, Ernst Johannes Bernardus (74) Shelston IP Pty Ltd.	(71) CATERPILLAR GLOBAL MINING EQUIPMENT LLC (11) AU-A-2020270514 (21) 2020270514      (22) 18.11.2020 (54) SWIVEL ASSEMBLY FOR DRILLING MACHINE (51) Int. Cl. E21B 15/00 ( 2006.01 ) E21B 7/02 ( 2006.01 ) (31) 16/706,469      (32) 06.12.19 (33) US (43) 24.06.2021 (72) SELVAM, Sudhagar (74) FPA Patent Attorneys Pty Ltd	(71) CONTAINER ROTATION SYSTEMS PTY LTD (11) AU-A-2020267301 (21) 2020267301      (22) 13.11.2020 (54) AN INTERMODAL CONTAINER AND METHOD OF LOADING BULK MATERIAL (51) Int. Cl. B65D 88/56 ( 2006.01 ) B65D 88/12 ( 2006.01 ) B65G 65/23 ( 2006.01 ) (31) 2019904669      (32) 10.12.19 (33) AU (43) 24.06.2021 (72) BRIDLE, Murray Robert (74) Adams Pluck
(71) Canon Kabushiki Kaisha (11) AU-A-2021203404 (21) 2021203404      (22) 25.05.2021 (54) Method, system and apparatus for managing crops (51) Int. Cl. G06Q 50/02 ( 2012.01 ) G06F 16/538 ( 2019.01 ) G06F 16/587 ( 2019.01 ) G06Q 10/06 ( 2012.01 ) (43) 24.06.2021 (62) 2018282338 (72) KOWALD, Julie Rae; DENG, Dixon De Sheng; FULTON, Nicholas Grant; ALE-JANDRO DE LELLIS, Oscar (74) Spruson & Ferguson	(71) Cerecin Inc. (11) AU-A-2021203468 (21) 2021203468      (22) 27.05.2021 (54) Pharmaceutical compositions having high drug loadings of medium chain triglycerides and methods related thereto (51) Int. Cl. A61K 9/14 ( 2006.01 ) A61K 31/225 ( 2006.01 ) A61K 31/23 ( 2006.01 ) (43) 24.06.2021 (62) 2018236349 (72) Badenoch, Aaron M.; Boivin, Taryn; Dubose, Devon B.; Henderson, Samuel T.; Hostetler, Christi Lynn; Lyon, David K.; Sather, Craig A.; Shaffer, Matthew J. (74) Davies Collison Cave Pty Ltd	(71) Coupang Corp. (11) AU-A-2020264281 (21) 2020264281      (22) 21.09.2020 (54) Computer-implemented systems and methods for optimization of a product inventory by intelligent distribution of in-bound products (51) Int. Cl. G06Q 10/08 ( 2012.01 ) (31) 16/704,293      (32) 05.12.19 (33) US (43) 24.06.2021 (72) KIM, Je (74) FB Rice Pty Ltd
(71) CareFusion 303, Inc. (11) AU-A-2021203375 (21) 2021203375      (22) 25.05.2021 (54) Zero reflux female valve with small priming volume (51) Int. Cl. A61M 39/22 ( 2006.01 ) A61M 39/02 ( 2006.01 ) (43) 24.06.2021 (62) 2019279901 (72) Mansour, George Michel (74) FB Rice Pty Ltd	(71) Checkers Industrial Products, LLC (11) AU-A-2020281004 (21) 2020281004      (22) 30.11.2020 (54) LIGHTWEIGHT WHEEL CHOCK (51) Int. Cl. B60T 3/00 ( 2006.01 ) (31) 16/706,293      (32) 06.12.19 (33) US (43) 24.06.2021 (72) Widgery, Greg (74) Phillips Ormonde Fitzpatrick	(71) Coupang Corp. (11) AU-A-2020264285 (21) 2020264285      (22) 21.09.2020 (54) Computer-implemented method for intelligent prediction of out of stock items and proactive reordering (51) Int. Cl. G06Q 10/08 ( 2012.01 ) (31) 16/705,572      (32) 06.12.19 (33) US (43) 24.06.2021 (72) YIN, Ping; WU, Zonghan; LEE, Min Woo; KIM, Pil Su; ZANG, Yong; WEI, Wei; HE, Liwen (74) FB Rice Pty Ltd
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 (72) Wood, Timothy J.; Leibowitz, Dalia;  
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 (11) AU-A-2021203454  
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 (54) Lateral transfer mattress and rotational positioning device  
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*A61G 7/00* (2006.01)  
*A61G 7/015* (2006.01)  
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*A47J 37/06* (2006.01)
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*A23B 4/052* (2006.01)
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 (54) PROCESS OF CERAMIC PROP-PANT PRODUCTION FROM IRON ORE AND/OR STERILE FROM ITS EXPLOITATION AND/OR TAILINGS FROM ITS BENEFICIATION WITH AGGLOMERATION OF FINE AND ULTRAFINE PARTICLES - PCF
- (51) Int. Cl.  
*C22B 1/14* (2006.01)  
*C04B 35/622* (2006.01)  
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 (21) 2021203484 (22) 28.05.2021  
 (54) Method and device for rendering an audio soundfield representation for audio playback  
 (51) Int. Cl.  
*H04S 3/00* (2006.01 )  
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 (54) AN APPARATUS FOR CONNECTING SECTIONS OF CHANNEL  
 (51) Int. Cl.  
*E03F 3/04* (2006.01 )  
*E01C 11/22* (2006.01 )  
*E02B 11/00* (2006.01 )  
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 (11) AU-A-2021203382  
 (21) 2021203382 (22) 25.05.2021  
 (54) Therapeutic pooled blood apoptotic cell preparations and uses thereof  
 (51) Int. Cl.  
*A61P 37/06* (2006.01 )  
*A61K 35/15* (2015.01 )  
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 (54) Plant trimming apparatus and methods  
 (51) Int. Cl.  
*A01D 34/53* (2006.01 )  
*A01D 45/00* (2018.01 )  
*A01G 3/00* (2006.01 )  
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 (21) 2021203489 (22) 28.05.2021  
 (54) Plant trimming apparatus and methods  
 (51) Int. Cl.  
*A01D 34/53* (2006.01 )  
*A01D 45/00* (2018.01 )  
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(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2021203341  
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 (54) PRESSURIZING MASKS, SYSTEMS AND METHODS  
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*C13B 5/02* (2011.01 )  
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*A61F 5/56* (2006.01 )  
*A61B 5/00* (2006.01 )  
*A61C 19/06* (2006.01 )  
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 (51) Int. Cl.  
*A47K 13/12* (2006.01 )  
*A47K 13/26* (2006.01 )  
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*C07K 16/00* (2006.01 )  
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**A47J 42/40** (2006.01)  
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**B60L 53/16** (2019.01)  
**H01R 24/00** (2011.01)  
**H01R 31/06** (2006.01)  
**H01R 43/26** (2006.01)  
**H02J 7/02** (2016.01)
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**F42D 1/045** (2006.01)
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 (54) Device and method for providing converted blasting pattern coordinate  
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 (54) Device and method for managing registration and arrangement of detonator  
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 (54) Respiratory disease monitoring wearable apparatus  
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 (74) Patentec Patent Attorneys
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**F21V 11/14** (2006.01)  
**A01G 7/04** (2006.01)  
**A01G 9/24** (2006.01)  
**F21V 1/24** (2006.01)  
**F21V 13/10** (2006.01)  
**F21V 17/02** (2006.01)  
**F21V 17/12** (2006.01)  
**F21V 19/00** (2006.01)  
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**A61M 31/00** (2006.01)  
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**A61B 17/88** (2006.01)
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**H01S 3/10** (2006.01)  
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**G06N 10/00** (2019.01)
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 (72) Imad, Malcom  
 (74) Patentec Patent Attorneys
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*B01L 3/00* (2006.01)  
*B03C 1/033* (2006.01)  
*B03C 1/28* (2006.01)  
*B03C 1/32* (2006.01)  
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*F25C 1/25* (2018.01)  
*F25D 11/02* (2006.01)  
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*E02F 9/16* (2006.01)  
*G02F 1/15* (2019.01)  
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*A61B 17/068* (2006.01)  
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*A61B 17/125* (2006.01)  
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*A61K 31/712* (2006.01)  
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*A01C 5/06* (2006.01)  
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*A01B 23/06* (2006.01)  
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 (51) Int. Cl.  
*A61F 11/04* (2006.01)  
*H04R 25/00* (2006.01)  
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 (54) Cochlear Implant System with Measurement Unit  
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*A61N 1/36* (2006.01)  
*H04R 25/00* (2006.01)  
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*E04B 1/16* (2006.01)  
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 (11) AU-A-2021203490  
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 (51) Int. Cl.  
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*C12N 15/90* (2006.01)  
*G01N 33/48* (2006.01)  
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**E03C 1/044** (2006.01 )  
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 (51) Int. Cl.  
**A61K 35/28** (2015.01 )  
**C12N 5/071** (2010.01 )  
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**C03C 17/36** (2006.01 )  
**B32B 7/023** (2019.01 )  
**C08J 7/046** (2020.01 )  
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 (51) Int. Cl.  
**A61K 35/76** ( 2015.01 )  
**A61K 45/08** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
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**A61K 35/76** ( 2015.01 )  
**A61K 45/08** ( 2006.01 )  
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 (51) Int. Cl.  
**A46B 3/20** ( 2006.01 )  
**A46B 3/22** ( 2006.01 )  
**A47L 5/26** ( 2006.01 )  
**A47L 5/28** ( 2006.01 )  
**A47L 5/30** ( 2006.01 )  
**A47L 5/34** ( 2006.01 )  
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**F41G 1/34** ( 2006.01 )  
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**A43D 1/02** ( 2006.01 )  
**A61B 5/107** ( 2006.01 )  
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**C12P 13/12** (2006.01)  
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**C07K 16/28** (2006.01)  
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 (51) Int. Cl.  
**B23Q 17/00** (2006.01)  
**B25F 5/00** (2006.01)  
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 (51) Int. Cl.  
**B01J 19/14** (2006.01)  
**B01J 14/00** (2006.01)  
**C08G 73/02** (2006.01)  
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**C12P 21/06** (2006.01)  
**A61K 38/43** (2006.01)  
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**C04B 14/36** ( 2006.01 )  
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**C04B 16/06** ( 2006.01 )  
**C04B 18/08** ( 2006.01 )  
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(51) Int. Cl.  
**H02J 7/00** ( 2006.01 )  
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(54) Methods and systems for detection of analytes  
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**G01N 27/06** ( 2006.01 )  
**G01N 33/487** ( 2006.01 )  
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(54) CUSTOMIZABLE DATA MANAGEMENT SYSTEM  
(51) Int. Cl.  
**G06F 17/40** ( 2006.01 )  
**G06Q 30/00** ( 2012.01 )
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(51) Int. Cl.  
**F01D 19/00** ( 2006.01 )  
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**A01N 47/00** ( 2006.01 )  
**C07C 227/14** ( 2006.01 )  
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(54) 6-membered AZA-heterocyclic containing delta-opioid receptor modulating compounds, methods of using and making the same  
(51) Int. Cl.  
**C07D 211/00** ( 2006.01 )  
**A61K 31/445** ( 2006.01 )  
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(51) Int. Cl.  
**G06Q 30/02** ( 2012.01 )  
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**G06Q 10/08** ( 2012.01 )  
**H04W 4/00** ( 2018.01 )  
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(74) FPA Patent Attorneys Pty Ltd
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**C07D 333/52** ( 2006.01 )  
**C07D 333/60** ( 2006.01 )  
**C09K 11/06** ( 2006.01 )  
**H01G 9/20** ( 2006.01 )  
**H01L 51/42** ( 2006.01 )  
**H01L 51/46** ( 2006.01 )  
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(21) 2020281121 (22) 03.12.2020  
(54) Apparatus, system and method for accessing a pressurised pipe  
(51) Int. Cl.  
**F16L 55/48** ( 2006.01 )  
**F16L 55/46** ( 2006.01 )  
(31) 2019904599 (32) 04.12.19 (33) AU  
(43) 24.06.2021  
(72) HOLLETT, Neil William  
(74) Patenteur Pty Ltd
- 
- (71) University of Pittsburgh - Of the Commonwealth System of Higher Education  
(11) AU-A-2021203348  
(21) 2021203348 (22) 24.05.2021

## Applications Open to Public Inspection - Name Index cont'd

- (54) REDUCED OXYGEN CARRIERS AND THEIR USE FOR THE TREATMENT OF CARBOXYHEMOGLOBINEMIA  
 (51) Int. Cl.  
**C07K 14/795** (2006.01 )  
**A61K 31/02** (2006.01 )  
**A61K 35/14** (2015.01 )  
**A61K 38/42** (2006.01 )  
**C01B 32/40** (2017.01 )  
**C01C 3/08** (2006.01 )  
 (43) 24.06.2021  
 (62) 2020267259  
 (72) Rose, Jason Joseph; Xu, Qinzi; Gladwin, Mark T.; Tejero Bravo, Jesus  
 (74) Phillips Ormonde Fitzpatrick
- 
- (71) Ushr, Inc.  
 (11) AU-A-2020281118  
 (21) 2020281118 (22) 03.12.2020  
 (54) Alignment of standard-definition and high-definition maps  
 (51) Int. Cl.  
**G01C 21/30** (2006.01 )  
 (31) 62/944,551 (32) 06.12.19 (33) US 16/732,200 31.12.19 US 16/751,828 24.01.20 US  
 (43) 24.06.2021  
 (72) Johnson, David Keith; MacDonald, Christopher Ian; Yang, Shu; Howard, Vincent Michael  
 (74) FB Rice Pty Ltd
- 
- VAN DOREMAELE, M.G.M. see LEMMEN, J.A.J.**  
 (21) 2020281137
- 
- (71) Vertigo Media, Inc.  
 (11) AU-A-2021203425  
 (21) 2021203425 (22) 26.05.2021  
 (54) SMART ROUTING SYSTEM FOR SOCIALIZING A SYNTHETIC REBROADCAST AND GROUP STREAM  
 (51) Int. Cl.  
**H04L 12/18** (2006.01 )  
 (43) 24.06.2021  
 (62) 2019229430  
 (72) Savenok, Alexander; Savenok, Pavel; Leekley, Gregory H.; Savenok, David; Eason , Harold R.  
 (74) Halfords IP
- 
- (71) Vertigo Media, Inc.  
 (11) AU-A-2021203432  
 (21) 2021203432 (22) 26.05.2021  
 (54) SMART ROUTING SYSTEM FOR PROVIDING AN OPTIMALLY SOURCED BROADCAST TO A SOCIAL CONSUMER GROUP  
 (51) Int. Cl.  
**H04L 12/18** (2006.01 )  
 (43) 24.06.2021  
 (62) 2019229430  
 (72) Savenok, Alexander; Savenok, Pavel; Leekley, Gregory H.; Savenok, David; Eason, Harold R.  
 (74) Halfords IP
- 
- (71) ViaSat, Inc.  
 (11) AU-A-2021203431  
 (21) 2021203431 (22) 26.05.2021  
 (54) BROADBAND SATELLITE COMMUNICATION SYSTEM USING OPTICAL FEEDER LINKS  
 (51) Int. Cl.  
**H04B 10/118** (2013.01 )  
 (43) 24.06.2021  
 (62) 2020201591  
 (72) Mendelsohn, Aaron  
 (74) Adams Pluck
- 
- (71) Viveve, Inc.  
 (11) AU-A-2021203443  
 (21) 2021203443 (22) 26.05.2021  
 (54) Methods and systems for treating urinary stress incontinence  
 (51) Int. Cl.  
**A61B 18/02** (2006.01 )  
**A61B 18/04** (2006.01 )  
**A61B 18/14** (2006.01 )  
 (43) 24.06.2021  
 (62) 2016324168  
 (72) WILKERSON, Deborah Suzanne; BLACK, David Laurence; TOMASETTI, Perry Joseph; ALLAN, Bruce Baldwin  
 (74) Spruson & Ferguson
- 
- (71) Waymo LLC  
 (11) AU-A-2021203465  
 (21) 2021203465 (22) 27.05.2021  
 (54) LIMITATION OF NOISE ON LIGHT DETECTORS USING AN APERTURE  
 (51) Int. Cl.  
**G01J 1/44** (2006.01 )  
**G01S 7/481** (2006.01 )  
 (43) 24.06.2021  
 (62) 2020201093  
 (72) DROZ, Pierre-Yves; GASSEND, Blaise; ONAL, Caner; HUTCHISON, David  
 (74) RnB IP Pty Ltd
- 
- (71) Westinghouse Air Brake Technologies Corporation  
 (11) AU-A-2021203435  
 (21) 2021203435 (22) 26.05.2021  
 (54) BREAKAWAY RAILCAR POWER CONNECTOR  
 (51) Int. Cl.  
**H01R 13/625** (2006.01 )  
**H01R 107/00** (2006.01 )  
 (43) 24.06.2021  
 (62) 2017254372  
 (72) Smajda, Kenneth J.  
 (74) Phillips Ormonde Fitzpatrick
- 
- (71) Wing Aviation LLC  
 (11) AU-A-2021203440  
 (21) 2021203440 (22) 26.05.2021  
 (54) Methods and systems for using an unmanned aerial vehicle (UAV) dedicated to deployment of operational infrastructure  
 (51) Int. Cl.  
**G05D 1/00** (2006.01 )  
**B64C 39/02** (2006.01 )

## Numerical Index

2019261789	Nirvana, U	2020289840	Hanwha Corporation
2019275674	DJM EMPREENDIMENTOS MINERAIS E CONSULTORIA EM ENGENHARIA LTDA; ACTT TECNOLOGIA E TREINAMENTOS AMFG LTDA	2020289842	Hanwha Corporation
2019279948	Imad, M.	2020327346	Sekisui House, Ltd.
2019279957	Byford Equipment Pty Ltd	2020342301	Jiangsu Jiarufeng Mechanical and Electrical Equipment Co., Ltd.
2019449031	NorthEastern University	2020356793	Nantong University
2019449883	Ascentage Pharma (Suzhou) Co., Ltd.; Ascentage Pharma Group Corp Limited; Shanghai Yasheng Pharmaceutical Technology Co., Ltd.	2021200758	Workplace Access & Safety Pty Ltd
2020201075	B&L Biotech, Inc.; Lee, I.	2021201069	Pask, N.G.
2020201850	Shanghai Ocean University	2021202946	Sharkninja Operating LLC
2020204595	Taiyuan University of Technology	2021203056	Juno Therapeutics, Inc.
2020220175	J. A. Redekop Holding Ltd.	2021203201	MannKind Corporation
2020244577	Adobe Inc.	2021203238	Solidus Ventures GmbH; Samuels, E.; Frauchiger, D.
2020250272	Covidien LP	2021203315	Royal Caridea LLC
2020256328	Heraeus Medical GmbH	2021203317	Byondis B.V.
2020257024	Heraeus Medical GmbH	2021203322	Optis Wireless Technology, LLC
2020260538	LG ELECTRONICS INC.	2021203336	TargImmune Therapeutics AG
2020260541	LG ELECTRONICS INC.	2021203337	Trevena, Inc.
2020264281	Coupa Corp.	2021203338	Equifax, Inc.
2020264285	Coupa Corp.	2021203339	Blossom Innovations, LLC; The General Hospital Corporation
2020267181	Techtronic Cordless GP	2021203340	AC Immune SA
2020267202	Lockheed Martin Corporation	2021203341	Fisher & Paykel Healthcare Limited
2020267250	HONEYWELL INTERNATIONAL INC.	2021203342	Nicoventures Trading Limited
2020267301	CONTAINER ROTATION SYSTEMS PTY LTD	2021203343	The Regents of the University of California; Alveo Technologies Inc.
2020270514	CATERPILLAR GLOBAL MINING EQUIPMENT LLC	2021203345	Nipro Corporation
2020270516	HONEYWELL INTERNATIONAL INC.	2021203346	The Intellectual Gorilla GmbH
2020273295	Singularitatem Oy	2021203347	D.T. Davis Enterprises, Ltd. (d/b/a Hovertech International)
2020273358	HONEYWELL INTERNATIONAL INC.	2021203348	University of Pittsburgh - Of the Commonwealth System of Higher Education
2020273382	L&F Plastics, Co., Ltd.	2021203349	Sheltered Wings, Inc. d/b/a Vortex Optics
2020277137	Mitsubishi Power, Ltd.	2021203350	Alcon Inc.
2020277239	Manitou Italia S.r.l.	2021203351	INCYTE CORPORATION
2020281004	Checkers Industrial Products, LLC	2021203352	Merck Patent GMBH
2020281005	Depuy Ireland Unlimited Company	2021203353	Cudzilo, M.
2020281013	Geberit International AG	2021203354	Uber Technologies, Inc.
2020281021	Prysmian S.p.A.	2021203355	La Francaise Des Jeux
2020281023	BISSELL, Inc.	2021203357	Trade Corporation International, S.A. Unipersonal
2020281029	BISSELL Inc.	2021203358	AbbVie Inc.
2020281045	Prysmian S.p.A.	2021203359	The Chinese University of Hong Kong
2020281051	BISSELL Inc.	2021203360	NOWWW.US PTY LTD
2020281060	Fitzmaurice, A.	2021203361	Illumina, Inc.
2020281062	BISSELL Inc.	2021203363	Berkeley Lights, Inc.
2020281090	Dux Industries Limited	2021203364	Built Robotics Inc.
2020281118	Ushr, Inc.	2021203369	Acorda Therapeutics, Inc.
2020281119	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation	2021203370	The General Hospital Corporation
2020281121	Uluthando Pty Ltd	2021203371	DEKA Products Limited Partnership
2020281137	LEMMEN, J.A.J.; VAN DOREMAELE, M.G.M.	2021203373	Gilead Sciences, Inc.
2020281144	Gruppo Cimbali S.p.A.	2021203375	CareFusion 303, Inc.
2020281146	Schott AG	2021203376	Selecta Biosciences, Inc.
2020281149	Accenture Global Solutions Limited	2021203377	CareFusion 303, Inc.
2020281154	Hepworth, A.L.	2021203378	Queen Mary University of London
2020281156	Covidien LP	2021203379	Selecta Biosciences, Inc.
2020281159	The Raymond Corporation	2021203380	Baxter Corporation Englewood
2020286165	Toshiba Energy Systems & Solutions Corporation; Kabushiki Kaisha Toshiba	2021203381	Frantz Design Incorporated; Anderson, M.
2020286190	Dansons US, LLC	2021203382	Enlivex Therapeutics Ltd.
2020286196	Hager-Electro SAS	2021203383	National Center of Neurology and Psychiatry; Nippon Shinyaku Co., Ltd.
2020286216	Oticon Medical A/S	2021203385	Dexcom, Inc.
2020286217	Oticon Medical A/S	2021203386	Children's Medical Center Corporation
2020286219	Oticon Medical A/S	2021203387	Dexcom, Inc.
2020286227	Dansons US, LLC.	2021203388	Texas Children's Hospital; Annapragada, A.; Tanifum, E.; Srivastava, M.
2020286235	Gia's Innovations Pty Ltd	2021203390	Ansell Limited
2020286240	B.H. Mayer's Kunsträgeanstalt GmbH	2021203392	Rheem Manufacturing Company
2020286322	OTICO	2021203393	Boston Scientific Scimed, Inc.
2020289835	Hanwha Corporation		
2020289836	Hanwha Corporation		

**Applications Open to Public Inspection - Numerical Index cont'd**

2021203394	The Board of Trustees of the Leland Stanford Junior University
2021203395	The Boeing Company
2021203396	Seres Therapeutics, Inc.
2021203397	IDP Discovery Pharma, S.L.
2021203398	Kaleido Biosciences, Inc.
2021203399	Intarcia Therapeutics, Inc.
2021203400	I2DX, Inc.
2021203402	Dolby International AB
2021203404	Canon Kabushiki Kaisha
2021203406	Intuit Inc.
2021203409	Health Care Originals, Inc.
2021203410	Niantic, Inc.
2021203411	Incall Limited
2021203414	Stryker Corporation
2021203417	Nissan Chemical America Corporation
2021203419	Maruho Medical, Inc.
2021203421	Société des Produits Nestlé S.A.
2021203424	Acres Technology
2021203425	Vertigo Media, Inc.
2021203431	ViaSat, Inc.
2021203432	Vertigo Media, Inc.
2021203434	The Gillette Company LLC
2021203435	Westinghouse Air Brake Technologies Corporation
2021203437	truRating Limited
2021203438	Incyte Corporation
2021203440	Wing Aviation LLC
2021203443	Viveve, Inc.
2021203449	Thermodynamic Design, LLC
2021203450	Sony Corporation
2021203454	CROWN EQUIPMENT CORPORATION
2021203458	Genzyme Corporation
2021203463	Komatsu Ltd.
2021203464	DePuy Synthes Products, Inc.
2021203465	Waymo LLC
2021203466	Pola Pharma Inc.
2021203467	SanBio, Inc.
2021203468	Cerecin Inc.
2021203473	Medical Components, Inc.
2021203476	ABB Power Grids Switzerland AG
2021203483	Ubiquitous Energy, Inc.
2021203484	Dolby International AB
2021203487	Afiniti Europe Technologies Limited
2021203488	Eteros Technologies Inc.
2021203489	Eteros Technologies Inc.
2021203490	Pluto Inc.
2021203491	Clean World Technologies Ltd.
2021203492	ModernaTX, Inc.
2021203493	Advanced New Technologies Co., Ltd.
2021203507	Levitas, Inc.; Facer, G.; Travers, K.; De Groot, T.

## IPC Index

<u>A01B 15 /-</u> 2020286322	<u>A44C 21 /-</u> 2020286240	<u>A61B 5 /-</u> 2020273295 2021203381	<u>A61K 39 /-</u> 2021203056 2021203352	<u>A61P 1 /-</u> 2021203398	<u>B32B 7 /-</u> 2020281146
<u>A01B 23 /-</u> 2020286322	<u>A44C 3 /-</u> 2020286240	<u>A61C 3 /-</u> 2021203385 2021203400	<u>A61K 38 /-</u> 2021203358 2021203458	<u>A61P 17 /-</u> 2021203466	<u>B60D 1 /-</u> 2020220175
<u>A01B 71 /-</u> 2020220175	<u>A46B 13 /-</u> 2020281051	<u>A61B 6 /-</u> 2021203339	<u>A61K 45 /-</u> 2021203358 2021203376	<u>A61P 21 /-</u> 2021203383	<u>B60J 3 /-</u> 2020277239
<u>A01C 5 /-</u> 2020286322	<u>A46B 3 /-</u> 2021202946	<u>A61C 19 /-</u> 2020201075	<u>A61K 47 /-</u> 2021203331 2021203336	<u>A61P 25 /-</u> 2021203337 2021203340	<u>B60L 53 /-</u> 2020286196
<u>A01D 34 /-</u> 2021203488 2021203489	<u>A47J 37 /-</u> 2020286190 2020286227	<u>A61F 11 /-</u> 2020286216	<u>A61K 47 /-</u> 2021203331 2021203336	<u>A61P 3 /-</u> 2021203201	<u>B60P 3 /-</u> 2019279957
<u>A01D 45 /-</u> 2020281060 2021203488 2021203489	<u>A47J 42 /-</u> 2020281144	<u>A61F 2 /-</u> 2020281005	<u>A61K 48 /-</u> 2021203376 2021203379	<u>A61P 31 /-</u> 2021203438	<u>B62D 57 /-</u> 2020267202
<u>A01D 75 /-</u> 2020220175	<u>A47L 1 /-</u> 2020281023	<u>A61F 5 /-</u> 2021203350 2021203399	<u>A61K 48 /-</u> 2021203376 2021203379	<u>A61P 35 /-</u> 2019449883 2021203056	<u>B64C 39 /-</u> 2021203440
<u>A01G 18 /-</u> 2020281137	<u>A47L 11 /-</u> 2020281029	<u>A61K 49 /-</u> 2021203381	<u>A61K 49 /-</u> 2021203388	<u>A61P 37 /-</u> 2021203373 2021203438	<u>B65D 21 /-</u> 2020273382
<u>A01G 3 /-</u> 2021203488 2021203489	<u>A47L 10 /-</u> 2020281062	<u>A61G 7 /-</u> 2021203347	<u>A61K 8 /-</u> 2021203466	<u>A61P 37 /-</u> 2021203376 2021203379	<u>B65D 85 /-</u> 2019279957
<u>A01G 7 /-</u> 2020281154	<u>A47L 5 /-</u> 2021202946	<u>A61J 1 /-</u> 2020256328	<u>A61K 9 /-</u> 2021203201 2021203331	<u>A61P 37 /-</u> 2021203382	<u>B65D 88 /-</u> 2019279957 2020267301
<u>A01G 9 /-</u> 2020281154	<u>A47L 7 /-</u> 2020281023	<u>A61J 7 /-</u> 2021203399	<u>A61K 46 /-</u> 2021203466 2021203468	<u>A61Q 19 /-</u> 2021203466	<u>B65D 90 /-</u> 2019279957
<u>A01J 9 /-</u> 2019279957	<u>A47L 9 /-</u> 2020281029	<u>A61J 3 /-</u> 2021203380	<u>A61K 46 /-</u> 2021203492	<u>A62B 35 /-</u> 2021200758	<u>B65G 65 /-</u> 2020267301
<u>A01J 9 /-</u> 2019279957	<u>A61J 7 /-</u> 2020281051	<u>A61J 7 /-</u> 2021202946	<u>A61L 29 /-</u> 2021203473	<u>A63F 13 /-</u> 2021203355	<u>B82Y 10 /-</u> 2020267250
<u>A01K 1 /-</u> 2020286235	<u>A61B 1 /-</u> 2020281156	<u>A61K 31 /-</u> 2019449883 2021203336	<u>A61L 33 /-</u> 2021203473	<u>B01D 53 /-</u> 2020281119	<u>C01B 25 /-</u> 2021203491
<u>A01K 61 /-</u> 2021203315	<u>A61B 10 /-</u> 2020281156	<u>A61B 10 /-</u> 2021203337	<u>A61M 16 /-</u> 2021203341	<u>B01J 14 /-</u> 2021203395	<u>C01B 32 /-</u> 2021203348
<u>A01N 47 /-</u> 2021203357	<u>A61B 17 /-</u> 2020250272	<u>A61B 17 /-</u> 2021203351 2020256328	<u>A61M 25 /-</u> 2021203473	<u>B01J 19 /-</u> 2021203395	<u>C01C 3 /-</u> 2021203348
<u>A01N 63 /-</u> 2021203396	<u>A61B 20 /-</u> 2020257024	<u>A61B 20 /-</u> 2021203373 2020281005	<u>A61M 31 /-</u> 2020256328	<u>B01L 3 /-</u> 2021203363	<u>C01F 11 /-</u> 2021203491
<u>A23B 4 /-</u> 2020286190 2020286227	<u>A61B 23 /-</u> 2020281156	<u>A61B 23 /-</u> 2021203398 2021203414	<u>A61M 37 /-</u> 2021203399	<u>B01L 3 /-</u> 2021203507	<u>C03C 17 /-</u> 2020281146
<u>A23J 3 /-</u> 2021203421	<u>A61B 24 /-</u> 2021203464	<u>A61B 24 /-</u> 2021203492	<u>A61M 39 /-</u> 2020256328	<u>B03C 1 /-</u> 2021203507	<u>C04B 14 /-</u> 2021203346
<u>A23L 33 /-</u> 2021203394	<u>A61B 18 /-</u> 2021203399	<u>A61K 35 /-</u> 2021203056	<u>A61M 5 /-</u> 2021203348	<u>B05B 1 /-</u> 2020201850	<u>C04B 16 /-</u> 2021203346
<u>A24F 47 /-</u> 2021203342	<u>A61B 33 /-</u> 2021203393	<u>A61C 33 /-</u> 2021203443	<u>A61M 5 /-</u> 2021203345 2021203376	<u>B23Q 17 /-</u> 2020267181	<u>C04B 18 /-</u> 2021203346
<u>A41D 19 /-</u> 2021203390	<u>A61B 34 /-</u> 2021203414	<u>A61C 34 /-</u> 2021203464	<u>A61N 1 /-</u> 2021203201	<u>B25F 5 /-</u> 2020267181	<u>C04B 35 /-</u> 2019275674
<u>A43D 1 /-</u> 2020273295	<u>A61B 46 /-</u> 2021203414	<u>A61K 38 /-</u> 2021203348	<u>A61K 5 /-</u> 2021203369	<u>B26B 21 /-</u> 2021203434	<u>C07C 227 /-</u> 2021203257
		<u>A61B 46 /-</u> 2021203370	<u>A61K 5 /-</u> 2021203339		

## Applications Open to Public Inspection - IPC Index cont'd

<b>C07C 229 /-</b> 2021203357	<b>C12M 1 /-</b> 2021203363	<b>E21B 7 /-</b> 2020270514	<b>G01N 3 /-</b> 2019449031	2021203493	<b>H02J 1 /-</b> 2020281159
<b>C07D 211 /-</b> 2021203337	<b>C12M 3 /-</b> 2021203363	<b>F01D 17 /-</b> 2020286165	<b>G01N 33 /-</b> 2021203343	<b>G06Q 20 /-</b> 2021203437	<b>H02J 3 /-</b> 2021203476
<b>C07D 215 /-</b> 2021203351 2021203378 2021203383	<b>C12N 15 /-</b> 2021203366 <b>F01D 19 /-</b> 2020286165	<b>G01S 7 /-</b> 2021203465	2021203352 2021203378 2021203449	<b>G06Q 30 /-</b> 2019261789 2021203406 2021203437	<b>H02J 7 /-</b> 2020281051 2020281159 2020286196
<b>C07D 221 /-</b> 2021203351	<b>C12N 5 /-</b> 2021203467	<b>F16G 11 /-</b> 2021200758	<b>G02B 1 /-</b> 2020281146	<b>G06Q 40 /-</b> 2021203238	<b>H02P 29 /-</b> 2020342301
<b>C07D 241 /-</b> 2021203201	<b>C12P 13 /-</b> 2021203394	<b>F16L 55 /-</b> 2020281121	<b>G02B 6 /-</b> 2020281045	2021203338 2021203406	<b>H04B 10 /-</b> 2021203431
<b>C07D 333 /-</b> 2021203483	<b>C12P 19 /-</b> 2021203370	<b>F21V 1 /-</b> 2020281154	<b>G02C 7 /-</b> 2021203350	<b>G06Q 50 /-</b> 2019279948 2021203380	<b>H04L 12 /-</b> 2021203425
<b>C07D 401 /-</b> 2021203351	<b>C12P 21 /-</b> 2021203370	<b>F21V 11 /-</b> 2020277239	<b>G02F 1 /-</b> 2020277239	2021203400 2021203404	<b>H04L 9 /-</b> 2021203432
<b>C07D 471 /-</b> 2020356793 2021203340 2021203438	<b>C12Q 1 /-</b> 2021203359 <b>F21V 13 /-</b> 2021203361 2021203378	<b>G05B 19 /-</b> 2020204595 <b>F21V 15 /-</b> 2020281154	<b>G06T 11 /-</b> 2020244577	<b>H04M 3 /-</b> 2021203411	
<b>C07D 513 /-</b> 2021203373	<b>C13B 10 /-</b> 2020281060	<b>F21V 17 /-</b> 2020281154	<b>G05D 1 /-</b> 2021203410 2021203464	<b>H04M 7 /-</b> 2021203411	
<b>C07F 15 /-</b> 2021203357	<b>C13B 5 /-</b> 2020281060	<b>F21V 19 /-</b> 2020281154	<b>G06F 16 /-</b> 2019261789	<b>G06T 7 /-</b> 2021203410 2021203464	<b>H04N 13 /-</b> 2021203450
<b>C07F 7 /-</b> 2021203351	<b>C22B 1 /-</b> 2019275674	<b>F21V 29 /-</b> 2020281154	<b>G09B 29 /-</b> 2019279948	<b>G06T 19 /-</b> 2019279948	<b>H04N 19 /-</b> 2021203402
<b>C07K 14 /-</b> 2021203056 2021203348 2021203397	<b>C23C 14 /-</b> 2020281146	<b>F25C 1 /-</b> 2020260541	<b>G06F 17 /-</b> 2021203338	<b>G11B 3 /-</b> 2020286240	<b>H04N 21 /-</b> 2021203490
<b>C07K 16 /-</b> 2021203056 2021203336 2021203358 2021203458	<b>E01C 11 /-</b> 2020281090	<b>F25D 11 /-</b> 2020260541	<b>G06F 21 /-</b> 2021203449	<b>H01B 11 /-</b> 2020281045	<b>H04N 5 /-</b> 2021203490
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*B60R 21/013* (2006.01)  
*B60W 30/08* (2012.01)  
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 (51) Int. Cl.  
*G06T 7/00* (2017.01)  
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*A61B 5/08* (2006.01)  
*A61B 6/00* (2006.01)  
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 (51) Int. Cl.  
*A61L 2/04* (2006.01)  
*A45C 11/20* (2006.01)  
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 (51) Int. Cl.  
*H01F 1/24* (2006.01)  
*B22F 9/02* (2006.01)  
*C23C 14/22* (2006.01)  
*G05B 13/04* (2006.01)  
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B DEVARU, S.D. see Shripat Mane, D. (21) 2021102370	Borkar, P. see Raut, R. (21) 2021102390	
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BINDU, H. see Kumar Panda, S. (21) 2021102355		

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*A61K 9/00* (2006.01 )  
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*A61K 31/277* (2006.01 )  
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 (51) Int. Cl.  
**G08B 13/196** (2006.01)  
**G06Q 50/26** (2012.01)  
**H04N 7/18** (2006.01)  
**G06K 9/00** (2006.01)  
**G06N 3/08** (2006.01)  
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(71) Graham, S.  
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 (54) nut harvesting diversion system  
 (51) Int. Cl.  
**A01D 46/26** (2006.01)  
 (45) 24.06.2021  
 (72) GRAHAM, GARTH; SHYU, LARRY; DAVIS, BERNIE  
 (74) Shane Duncan Graham

(71) Guangxi Beitou Transportation Maintenance Technology Group Co., LTD; Guangxi Communication Design Group Co., LTD

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 (54) Composite Replacement Structure and Treatment for Soft Base of Coastal Mudflat  
 (51) Int. Cl.  
**E01C 3/04** (2006.01)  
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 (45) 24.06.2021  
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 (74) Alder IP Pty Ltd

**Guangxi Communication Design Group Co., LTD see Guangxi Beitou Transportation Maintenance Technology Group Co., LTD**  
 (21) 2021102288

**Guizhou Academy of Testing and Analysis, Guizhou Academy of Sciences see Institute of Biology, Guizhou Academy of Sciences**

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 (51) Int. Cl.  
**G06Q 20/34** (2012.01)  
**G06Q 20/14** (2012.01)  
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 (45) 24.06.2021  
 (72) Gupta, Sandeep; Jain, Manjula; Tyagi, Nitin; Saraswat, Krishan Kumar; Srivastava, Arun Pratap; Tiwari, Surendra; Saxena, Nitin; Tarar, Sandhya; Tiwari, Raj Gaurang; Misra, Alok  
 (74) Bikramjit Singh

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 (11) AU-A-2021102440 (21) 2021102440 (22) 10.05.2021  
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 (51) Int. Cl.  
**H04W 40/10** (2009.01)  
**H04W 28/02** (2009.01)  
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**H04W 40/24** (2009.01)  
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 (21) 2021102376 (22) 06.05.2021  
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 (51) Int. Cl.  
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 (72) ZHAO, Congrong; LIN, Lepeng  
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 (72) ZHOU, Shuiqin; LIN, Lepeng; PAN, Wenbin  
 (74) WRAYS PTY LTD

(71) Hohai University  
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 (54) METHOD FOR TARGET DETECTION ORIENTED TO DAM DEFECT IMAGES  
 (51) Int. Cl.  
**G06T 7/00** (2017.01 )  
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 (51) Int. Cl.  
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**G08B 5/36** (2006.01 )  
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 (54) Apparatus for Mounting to a Post  
 (51) Int. Cl.  
**E04H 17/12** (2006.01 )  
 (45) 24.06.2021  
**(62) 2018102025**  
 (72) TAYLOR, Bradley  
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 (51) Int. Cl.  
**A61K 8/9789** (2017.01 )  
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 (74) Alder IP Pty Ltd

(71) Institute of Animal Health, Guangdong Academy of Agricultural Sciences; Zhengzhou Zhongdao Biotechnology, Co. LTD  
 (11) AU-A-2021102363  
 (21) 2021102363 (22) 05.05.2021  
 (54) DUAL-FLUORESCENT PCR PRIMER, PROBE, METHOD AND KIT FOR IDENTIFYING CAPRIPOX VIRUS AND LUMPY SKIN DISEASE VIRUS  
 (51) Int. Cl.  
**C12Q 1/70** (2006.01 )  
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**G01N 21/64** (2006.01 )  
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 (11) AU-A-2021102364  
 (21) 2021102364 (22) 05.05.2021  
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 (51) Int. Cl.  
**C12Q 1/70** (2006.01 )  
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 (51) Int. Cl.  
**G01S 17/894** (2020.01 )  
**G06N 20/00** (2019.01 )  
**G08B 3/02** (2006.01 )  
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**A01M 29/16** (2011.01 )  
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(51) Int. Cl.

B01L 3/00 (2006.01)

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(54) METHOD FOR DETECTING COMPONENT CONTENT IN ACONITI RADIX COCTA

(51) Int. Cl.

G01N 33/15 (2006.01)

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A61K 36/714 (2006.01)

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(54) Inverse identification method of aquifer structure based on octave convolution residual network

(51) Int. Cl.

G06N 7/00 (2006.01)

G01V 9/02 (2006.01)

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(45) 24.06.2021

(72) Dai, Zhenxue; Zhan, Chuanjun

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(21) 2021101315 (22) 13.03.2021

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(51) Int. Cl.

G16H 50/80 (2018.01)

G06F 17/16 (2006.01)

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(54) TLC AND GC-MS ANALYSIS METHOD OF SCREENING OF HOUT-TUYNIA CORDATA

(51) Int. Cl.

C12Q 1/02 (2006.01)

A61K 36/78 (2006.01)

C12Q 1/20 (2006.01)

G01N 30/90 (2006.01)

G01N 33/50 (2006.01)

G01N 30/00 (2006.01)

G01N 30/06 (2006.01)

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(72) KHARNAIOR, SUKLANG; THOMAS, SHINY C.

(74) SUKLANG KHARNAIOR

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(21) 2021102409 (22) 07.05.2021

(54) IOT BASED HOME AUTOMATION BY USING CLOUD

(51) Int. Cl.

H04L 12/28 (2006.01)

H04L 12/24 (2006.01)

H04L 29/08 (2006.01)

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H04L 29/06 (2006.01)

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*F25J 3/04* ( 2006.01 )  
*A61M 16/10* ( 2006.01 )  
**(45)** 24.06.2021  
**(72)** Kumar Panda, Santosh; Rakshit, Pranati; Shankar Pati, Shakti; Parija, Susmita; Kumar, Parmod; BINDU, HIMA; Gupta, Roopali; Mahejabin Dildar, Sayyad; Sharma, Nidhi; Priye, Ati; Prasad Mishra, Bishnu; Bhattacharjee, Shraddha; Chandra Panda, Ramesh  
**(74)** Blessen Skariah Thomas
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- (71)** Li, Z.; Yuan, X.  
**(11)** AU-A-2021102434  
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**(54)** The Wide Field of View Telescope Optical System for Sitian Project  
**(51)** Int. Cl.  
*G02B 17/08* ( 2006.01 )  
*G02B 23/06* ( 2006.01 )  
*G02B 27/00* ( 2006.01 )  
**(45)** 24.06.2021  
**(72)** Li, Zhengyang; Yuan, Xiangyan  
**(74)** Alder IP Pty Ltd
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- (71)** Liftroller AS  
**(11)** AU-A-2021102347      **(22)** 04.05.2021  
**(54)** Device for establishing a platform for landing goods  
**(51)** Int. Cl.  
*E04G 21/16* ( 2006.01 )  
*E04G 3/18* ( 2006.01 )  
*E04G 3/22* ( 2006.01 )  
**(31)** 20200522      **(32)** 04.05.20 (33) NO  
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**(72)** Ole Wik, Ivar  
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**(51)** Int. Cl.  
*G01N 33/58* ( 2006.01 )  
*B82Y 40/00* ( 2011.01 )  
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**(72)** Zhou, Guohua; Jiang, Huimin  
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**(54)** A Novel Climbing Mechanism for Coconut Tree  
**(51)** Int. Cl.  
*A01D 46/30* ( 2006.01 )  
*B25J 5/00* ( 2006.01 )  
*B25J 9/10* ( 2006.01 )  
*B25J 9/16* ( 2006.01 )  
*A63B 27/00* ( 2006.01 )  
*B25J 9/00* ( 2006.01 )  
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**(72)** MANDAVA, RAVI KUMAR; RAO, NAN-DURE NARAYAN; VIKRAM, G. N. V. R.  
**(74)** RAVI KUMAR MANDAVA
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**(21)** 2021102420
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- (71)** McMahon, J.  
**(11)** AU-A-2021101592  
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**(54)** An Infectious Disease Isolation Module  
**(51)** Int. Cl.  
*A61G 10/00* ( 2006.01 )  
*A61G 10/02* ( 2006.01 )  
*F24F 3/167* ( 2021.01 )  
**(31)** 2020900960      **(32)** 29.03.20 (33) AU
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**(72)** McMahon, Joshua; McMahon, Gregory  
**(74)** Stellar Law Pty Ltd
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- (71)** Micro-Tech (Nanjing) Co., Ltd.  
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**(54)** Medical connecting device  
**(51)** Int. Cl.  
*A61B 18/12* ( 2006.01 )  
*A61B 10/04* ( 2006.01 )  
*A61B 17/285* ( 2006.01 )  
**(31)** 201811390053.3      **(32)** 21.11.18 (33) CN  
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**(72)** TANG, Zhi; FAN, Mingqiao; XIE, Huan; SHA, Deqing; LI, Changqing; LENG, Derong; LIU, Chunjun  
**(74)** Ellis Terry
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**(21)** 2021102440
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**(11)** AU-A-2021102394  
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**(54)** Electronic mortgage brokering and monitoring  
**(51)** Int. Cl.  
*G06Q 40/02* ( 2012.01 )  
**(45)** 24.06.2021  
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**(72)** HATHERLEY, Ruth; MACDONALD, Jonathan Edward  
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 (54) Driving System of Electric-powered Field Management Machine  
 (51) Int. Cl.  
**B60K 1/04** (2019.01)  
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**C08B 37/00** (2006.01)  
**C12P 19/04** (2006.01)  
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 (51) Int. Cl.  
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 (74) Amanda C.S.
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 (11) AU-A-2021102102  
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 (54) Device for Preparing Polymer Powder  
 (51) Int. Cl.

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**B02C 13/18** (2006.01)  
**B02C 13/288** (2006.01)  
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 (51) Int. Cl.  
**C09D 171/00** (2006.01)  
**C07D 301/28** (2006.01)  
**C08G 65/26** (2006.01)  
**C08G 65/337** (2006.01)  
**C09D 5/08** (2006.01)  
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 (74) Harikumar Pallathadka
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 (21) 2021102413
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- (71) Pilgrim, G.F.W.  
 (11) AU-A-2021102379  
 (21) 2021102379 (22) 06.05.2021  
 (54) A MOBILE HOME CLOTHES DRYING ASSEMBLY  
 (51) Int. Cl.  
**D06F 57/12** (2006.01)  
**B60P 3/36** (2006.01)  
**D06F 53/04** (2006.01)  
**D06F 53/02** (2006.01)  
**E04H 15/08** (2006.01)  
 (45) 24.06.2021  
 (72) Pilgrim, Grahame Frank William  
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 (21) 2021102405 (22) 07.05.2021  
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(21) 2021102355
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(21) 2021102366 (22) 05.05.2021  
(54) FINGERPRINT SENSOR IGNITION SYSTEM FOR BIKES METHODS AND THEREOF  
(51) Int. Cl.  
**G07C 9/37** (2020.01 )  
**B60R 25/04** (2013.01 )  
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(51) Int. Cl.  
**B22D 21/00** (2006.01 )  
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(54) AUXILIARY DETECTION DEVICE FOR AFLATOXIN  
(51) Int. Cl.  
**G01N 33/04** (2006.01 )  
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**H05K 5/02** (2006.01 )  
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(11) AU-A-2021102456  
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(51) Int. Cl.  
**C12N 15/85** (2006.01 )  
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**C12N 15/113** (2010.01 )  
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(54) Device for Online Measurement of Shape and Particle Size Distribution of Crystals  
(51) Int. Cl.  
**G01N 15/02** (2006.01 )  
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(54) Battery thermal insulation cabin of deep-sea submerged buoy system  
(51) Int. Cl.  
**H01M 10/615** (2014.01 )  
**H01M 10/62** (2014.01 )  
**H01M 50/107** (2021.01 )  
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(51) Int. Cl.  
**A47D 9/02** (2006.01 )  
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**A47C 21/00** (2006.01 )  
**G08B 21/02** (2006.01 )  
**H04L 29/08** (2006.01 )  
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(74) Mohammad Khalid Imam Rahmani
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(51) Int. Cl.  
**A01G 25/16** (2006.01 )  
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(51) Int. Cl.  
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(74) Bikramjit Singh

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(54) A SMART DEVICE FOR ONLINE CLASS  
(51) Int. Cl.  
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**B43L 1/00** (2006.01)  
**G06Q 50/20** (2012.01)  
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(74) Roshani Raut

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(51) Int. Cl.  
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**C05F 5/00** (2006.01)  
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(21) 2021102337

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(21) 2021102320

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(51) Int. Cl.  
**C05D 9/00** (2006.01)  
**C05F 3/00** (2006.01)  
**C05F 17/05** (2020.01)  
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(51) Int. Cl.  
**G06Q 10/00** (2012.01)  
**G16Y 30/10** (2020.01)  
**H04L 9/32** (2006.01)  
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(72) SENGOTTUVELAN, P.; KARTHIK, S.; VIDYA RAJ, C.; SANGEETHA, M.; KAVITHA, M. S.; ANUREKHA, R.; SUMATHI, T.; CHRISTOPHER PAUL, A.; BHANU, D.; BARANIDHARAN, T.; PERIYAKARUPPAN, K.; SRIHARI, K.  
(74) Kevin raj

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(21) 2021102361 (22) 05.05.2021  
(54) Switchable Pilot Ladder Magnet  
(51) Int. Cl.  
**B63B 27/14** (2006.01)  
**E06C 5/36** (2006.01)  
**E06C 7/18** (2006.01)  
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(72) HEARD, IAN; HEARD, ADRIAN  
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(21) 2021101748

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(51) Int. Cl.  
**G05D 1/10** (2006.01)  
**G05D 1/04** (2006.01)  
**G05D 1/08** (2006.01)  
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**H04B 7/185** (2006.01)  
**H04W 84/18** (2009.01)

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(74) Alder IP Pty Ltd
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Shandong Vocational College of In-  
dustry  
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device with combined oxidation bed for  
ventilation air methane  
(51) Int. Cl.  
*B01D 53/88* ( 2006.01 )  
*B01J 8/02* ( 2006.01 )  
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(72) Mao, Mingming; Lv, Jian  
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Technique  
(51) Int. Cl.  
*B22F 3/10* ( 2006.01 )  
*B22F 10/28* ( 2021.01 )  
*B23K 26/06* ( 2014.01 )  
*B23K 26/0622* ( 2014.01 )  
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LOGY  
(51) Int. Cl.  
*G06Q 10/08* ( 2012.01 )  
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DEVARU, S.D.; MAHAJAN, T.; Pandey,  
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(72) ZHI, Youhai; SHI, Xiangping; ZHANG, Lianying; XIE, Lidong; LI, Yan  
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- Y, S. see T, S.  
(21) 2021102045
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- (71) Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences  
(11) AU-A-2021102452  
(21) 2021102452 (22) 11.05.2021  
(54) Detection Method of Inorganic Lead Ions in Marine Shellfish by HPLC-ICP-MS Technique  
(51) Int. Cl.  
G01N 30/72 ( 2006.01 )  
G01N 1/28 ( 2006.01 )

## Innovation Patents Open to Public Inspection - Name Index cont'd

- G01N 1/40** ( 2006.01 )  
**G01N 30/02** ( 2006.01 )  
**G01N 33/02** ( 2006.01 )  
**G01N 33/84** ( 2006.01 )  
**(45)** 24.06.2021  
**(72)** Zhao, Yanfang; Kang, Xuming; Ding, Haiyan; Sheng, Xiaofeng  
**(74)** Alder IP Pty Ltd
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- (71)** yin, q.; Yin, Y.  
**(11)** AU-A-2021102411  
**(21)** 2021102411      **(22)** 08.05.2021  
**(54)** Telomerase Balancer  
**(51)** Int. Cl.  
  **A23L 23/00** ( 2016.01 )  
  **A23B 4/015** ( 2006.01 )  
  **A23L 3/28** ( 2006.01 )  
  **A23L 13/00** ( 2016.01 )  
  **A61K 35/65** ( 2015.01 )  
  **A61P 35/00** ( 2006.01 )  
**(45)** 24.06.2021  
**(72)** Yin, Qingli; Yin, Yiming  
**(74)** qingli yin
- 
- Yin, Y. see yin, q.**  
**(21)** 2021102411
- 
- (71)** YIXING BOYUAN BAMBOO & WOOD INDUSTRIAL CO., LTD  
**(11)** AU-A-2019101797  
**(21)** 2019101797      **(22)** 20.12.2019  
**(54)** Improvements in engineered composite floorboards and production processes thereof  
**(51)** Int. Cl.  
  **E04F 15/04** ( 2006.01 )  
  **B32B 3/06** ( 2006.01 )  
  **B32B 3/26** ( 2006.01 )  
  **B32B 5/16** ( 2006.01 )  
  **B32B 5/18** ( 2006.01 )  
  **B32B 7/12** ( 2006.01 )  
  **B32B 21/08** ( 2006.01 )  
  **B32B 21/14** ( 2006.01 )  
  **B32B 27/10** ( 2006.01 )  
  **B32B 27/30** ( 2006.01 )  
  **B32B 29/00** ( 2006.01 )  
  **B32B 37/18** ( 2006.01 )  
  **E04F 15/20** ( 2006.01 )  
  **E04F 15/02** ( 2006.01 )  
**(31)** 2019900989      **(32)** 25.03.19 (33) AU  
**(45)** 24.06.2021  
**(72)** LIN, LEI  
**(74)** PATENTS AU PTY LTD
- 
- Yuan, X. see Li, Z.**  
**(21)** 2021102434
- 
- (71)** ZHANG, Y.; FAN, K.  
**(11)** AU-A-2021102465  
**(21)** 2021102465      **(22)** 11.05.2021  
**(54)** SVR model used for economic fluctuation analysis  
**(51)** Int. Cl.  
  **G06Q 40/04** ( 2012.01 )  
  **G06N 20/10** ( 2019.01 )  
  **G06N 20/20** ( 2019.01 )

## Numerical Index

2019101790	Swiftech Company Ltd.	2021102349	Tobacco Research Institute of Chinese Academy of Agricultural Sciences
2019101797	YIXING BOYUAN BAMBOO & WOOD INDUSTRIAL CO., LTD	2021102353	Techtronic Cordless GP
2019101800	Copper Trading Pty Ltd	2021102354	Syngen Biotech Co., Ltd.
2019101801	Micro-Tech (Nanjing) Co., Ltd.	2021102355	Kumar Panda, S.; Rakshit, P.; Shankar Pati, S.; Parija, S.; Kumar, P.; BINDU, H.; Gupta, R.; Mahejabin Dildar, S.; Sharma, N.; Priye, A.; Prasad Mishra, B.; Bhattacharjee, S.; Chandra Panda, R.
2020104425	Nanjing Forestry University	2021102360	Anhui University of Technology; Angang Steel Co., Ltd
2021101315	K.N, V.; ULLAL, B.; R, H.	2021102361	SERPENT & DOVE - APPLIED MAGNETICS PTY. LIMITED
2021101369	China Construction Municipal Engineering Corporation Limited; China Construction First Group Corporation Limited	2021102362	Tianjin Niusai Biotechnology Co., Ltd.
2021101477	Shandong University of Technology; Shandong Vocational College of Industry	2021102363	Institute of Animal Health, Guangdong Academy of Agricultural Sciences; Zhengzhou Zhongdao Biotechnology, Co. LTD
2021101511	University of South China; Deep Well Mining Laboratory Branch Office of Shandong Gold Mining Technology Co., Ltd.	2021102364	Institute of Animal Health, Guangdong Academy of Agricultural Sciences
2021101592	McMahon, J.	2021102365	Nanda, I.; Kumar M., D.; Govindarajo, N.S.; Dikshit, S.K.; Das, P.; Jamader, A.R.; Acharya, B.
2021101667	Dalian University of Technology	2021102366	PURI, S.; PALLATHADKA, H.; RANJAN ROUTHAY, A.; MAKKAR, S.
2021101671	Dalian University of Technology	2021102367	Versari Management Pty Ltd
2021101687	Qingdao University of Science & Technology	2021102368	4Tek Pty Ltd
2021101701	jha, A.; Jha, S.; Banerjee, B.P.; Jha, V.; Bhoi, A.; Jha, A. V, T.K.G.; Singh, A.; Gannavaram, V.C.S.; Gannavaram, V.P.; Justice, O.; Keshipeddi, S.B.; Chandel, G.; Sangem, R.; koul, S.; A., S.; Deo, R.N.; A, A.	2021102370	Shripat Mane, D.; Pallathadka, H.; B DEVARU, S.D.; MAHAJAN, T.; Pandey, G.; Shrivastava, A.; Pai Maroor, J.; I C, S.; Mishra, A.B.; Kumar B, S.; RAJ G, R.
2021101737	Qingdao University of Science and Technology	2021102371	Southwest university
2021101746	QILU UNIVERSITY OF TECHNOLOGY; SHANDONG TAILAI ALUMINUM FOUNDRY CO., LTD.	2021102374	Hussain, M.I.; Aamri, A.M.S.A.; Nayak, R.K.; Tripathy, R.; Lawrence, T.S.; Selvaraj, V.; Singh, S.K.; Singh, S.P.; Kumar, L.; Gupta, T.
2021101748	V, T.K.G.; Gannavaram, V.C.S.; Gannavaram, V.P.; Vadithala, C.S.R.; Ganta, R.R.; Polala, N.; Pakala, S.; Madugula, S.; Madupu, R.K.; Rangu, S.K.; Sunkari, S.; Kandhikonda, U.M.; Gannavaram, S.	2021102376	Hangzhou Vocational & Technical College
2021102001	TAG 360 PTY LIMITED	2021102377	Earthtrack Group Pty Ltd
2021102034	Rani, S.; Kaur, P.; Gupta, R.; Aggarwal, V.; Garg, V.; Saraswat, B.K.; Kumar, B.; Sadim, M.	2021102379	Pilgrim, G.F.W.
2021102045	T, S.; Y, S.; Vadaparthi, N.; P, S.R.; Namana, M.K.	2021102380	Chinese Academy of Geological Sciences
2021102055	Shanghai University of Engineering Science	2021102381	Elanco Australasia Pty Limited
2021102102	Nanjing University of Science and Technology; Shanghai Aerospace Chemical Engineering Application Research Institute; Hubei Institute of Aerospace Chemical Technology	2021102382	Elanco Australasia Pty Limited
2021102129	Affiliated Central Hospital of Shenyang Medical College	2021102383	Beijing Jiaotong University
2021102133	AMANTI Pty Ltd	2021102385	CHANG'AN UNIVERSITY
2021102182	KHARNAIOR, S.; THOMAS, S.C.	2021102387	Hangzhou Vocational & Technical College
2021102193	Northwest A&F University	2021102390	Raut, R.; Jadhav, A.; Patil, S.; Jadhav, S.; Thorat, M.; Borole, Y.; Borkar, P.
2021102228	South China University of Technology	2021102391	Institute of Biology, Guizhou Academy of Sciences; Guizhou Academy of Testing and Analysis, Guizhou Academy of Sciences
2021102280	Zhao, R.	2021102392	Sichuan Agricultural University
2021102281	Jilin University	2021102394	MONEYCATCHA PTY. LTD.
2021102288	Guangxi Beiteou Transportation Maintenance Technology Group Co., LTD; Guangxi Communication Design Group Co., LTD	2021102396	Sichuan University of Science & Engineering
2021102290	ShanDong University of Science and Technology	2021102397	Hohai University
2021102306	MANDAVA, R.K.; RAO, N.N.; VIKRAM, G.N.V.R.	2021102398	Wenzhou-Kean University
2021102320	Satapathy, S.; Nayak, Y.; Satapathy, K.B.; Biswal, S.K.; Mishra, S.	2021102399	WEIFANG MEDICAL UNIVERSITY
2021102327	JIANGXI UNIVERSITY OF TRADITIONAL CHINESE MEDICINE	2021102405	PLANET ACOUSTICS AND ARCHITECTURE PTY. LTD.
2021102330	V, T.K.G.; Gannavaram, V.C.S.; Gannavaram, V.P.; Ganta, R.R.; Sakimalla Prabhakar, G.; Kama, R.; Budda, J.K.; Vadithala, C.S.R.; Vuppu, S.; Chintakindi, S.; Manchala Sashi Bushan, P.; Pratapagiri, S.; Kolluri, J.	2021102407	Acharya, B.; Pradhan, A.; Ateeq, K.; Mohapatra, A.; Das, P.; Jamader, A.R.; Sahoo, S.; Pani, S.R.; Biswal, T.; Rajathi, G.I.; Elton, R.J.; T, A.; T, R.; Anandh, K.; Prasanna, K.; Lakshmi, S.V.; R, A.; Ratnakumar, A.; Balakrishnan, S.; Arulkumar, V.
2021102335	Gupta, S.; Jain, M.; Tyagi, N.; Saraswat, K.K.; Srivastava, A.P.; Tiwari, S.; Saxena, N.; Tarar, S.; Tiwari, R.G.; Misra, A.	2021102408	Kumar Jain, J.; Shrivastava, A.; Shripat Mane, D.; Venkatesan, M.; Sreenivasu, S.V.N.; Ahlawat, N.; Kulkarni, H.R.; Pallathadka, H.; Chauhan, D.; Jhapate, M.; Shrivastava, A.
2021102337	Sadasivuni, H.; Garg, R.; Singh, V.; Tripathi, M.; Srivastava, P.; Manne, R.; Chordiya, S.B.; Raj, B.; Sarkar, B.K.	2021102411	yin, q.; Yin, Y.
2021102342	Swamy Vyshnava, S.	2021102413	SENGOTTUVELAN, P.; KARTHIK, S.; VIDYA RAJ, C.; SANGEETHA, M.; KAVITHA, M.; ANUREKHA, R.; SUMATHI, T.; CHRISTOPHER PAUL, A.; BHANU, D.; BARANIDHARAN, T.; PERIYAKARUPPAN, K.; SRI-HARI, K.
2021102347	Liftroller AS		
2021102348	Byrnes, R.		

**Innovation Patents Open to Public Inspection - Numerical Index cont'd**

- 2021102420 Pallathadka, H.; Shibe, K.S.; Mane, D.S.; Kulkarni, A.; Matharu, H.; SHIRAMILA, T.; Patil, H.; BHANAGE, P.S.; Chauhan, H.; REDDY, G.D.
- 2021102429 Chinese Academy of Surveying & Mapping
- 2021102431 Jiangxi Agricultural University
- 2021102432 BEIJING RESEARCH CENTER FOR AGRICULTURAL STANDARDS AND TESTING
- 2021102433 Nanjing Agricultural University
- 2021102434 Li, Z.; Yuan, X.
- 2021102436 First Affiliated Hospital of Kunming Medical University
- 2021102439 Lingnan Normal University
- 2021102440 Guttula, R.; P.T., K.; Sattaru, N.C.; K.R., I.; Ganesan, M.; Sethy, A.; A., A.; John, P.; Mondal, S.; T., S.
- 2021102441 Sichuan Surveying and Mapping Product Quality Supervision and Inspection Station of the Ministry of Natural Resources (Sichuan Surveying and Mapping Product Quality Supervision and Inspection Station)
- 2021102442 Wuhan University
- 2021102443 Vbreathe Pty Ltd
- 2021102445 Graham, S.
- 2021102448 Rahmani, M.K.I.; Nafis, M.T.; Muzaffar, A.W.; Khan, S.; Tahir, M.
- 2021102449 Shrivastava, A.; Shripat Mane, D.; Bhatt, D.; Sai Krishna, T.V.; Shukla, V.; Chidananda Singh, N.; Chouhan, K.; Rajkumar, M.; Suresh Patil, H.; Kiran Naik, B.; Pallathadka, H.; Shrivastava, A.; Gupta, M.
- 2021102450 Ghorpade, N.; Sudhir Bale, A.; Tiwari, S.; Ranga, S.; Singh, S.; S., V.; Tripathi, A.; Dixit, A.; Choudhari, V.A.; Shubham, K.; Mohan M. S., K.
- 2021102452 Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences
- 2021102455 Qingdao Agricultural University
- 2021102456 Qingdao Agricultural University
- 2021102459 Xiangtan University
- 2021102460 Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment
- 2021102465 ZHANG, Y.; FAN, K.
- 2021102468 The Fourth Research and Design Engineering Corporation of China National Nuclear Corporation
- 2021102469 InfraBuild Wire Pty Limited
- 2021102470 Zhejiang Institute of Garden Plants and Flowers (Zhejiang Xiaoshan Institute of Cotton & Bast Fiber Crops Research)
- 2021102471 Apple Inc.
- 2021102472 Chongqing Technology and Business University; Chongqing Business University Technology Development Co., Ltd
- 2021102473 Wuhan University
- 2021102474 Costruzioni Strumenti Oftalmici C.S.O. S.r.l.
- 2021102479 XUZHOU UNIVERSITY OF TECHNOLOGY
- 2021102480 Xinjiang Institute of Engineering
- 2021102481 Shastri, S.; Singh, K.; Kumar, S.; Kour, P.; Mansotra, V.; Anubha, E.; Vijayaragavan, M.; Kumar, Y.; Sharma, N.; D, S.

## IPC Index

<u>A01D 46 /-</u>	<u>A47L 15 /-</u>	<u>A61L 2 /-</u>	<u>B01D 53 /-</u>	<u>B25J 17 /-</u>	<u>B60L 3 /-</u>
2021102306	2021102133	2021102133	2021101477	2021102228	2021102368
2021102445	<u>A61B 10 /-</u>	<u>A61L 27 /-</u>	<u>B01J 8 /-</u>	<u>B25J 5 /-</u>	<u>B60P 3 /-</u>
<u>A01G 25 /-</u>	2019101801	2021102399	2021101477	2021102306	2021102379
2021102408	<u>A61B 17 /-</u>	<u>A61L 9 /-</u>	<u>B01L 3 /-</u>	<u>B25J 9 /-</u>	<u>B60Q 1 /-</u>
<u>A01M 23 /-</u>	2019101801	2021102443	2021102396	2021102228	2021101737
2021102392	2021102436	<u>A61M 16 /-</u>	2021102431	2021102306	<u>B60R 21 /-</u>
<u>A01M 29 /-</u>	<u>A61B 18 /-</u>	2021102355	<u>B02C 13 /-</u>	<u>B27C 1 /-</u>	2021102368
2021101701	2019101801	<u>A61P 1 /-</u>	2021102102	2021102353	<u>B60R 25 /-</u>
2021102460	<u>A61B 3 /-</u>	2021102354	<u>B02C 23 /-</u>	<u>B29C 33 /-</u>	2021102366
<u>A01M 31 /-</u>	2021102474	<u>A61P 25 /-</u>	2021102102	2021102376	<u>B60S 1 /-</u>
2021102460	<u>A61B 5 /-</u>	2021102381	<u>B04C 5 /-</u>	<u>B29C 37 /-</u>	2021102365
<u>A01N 53 /-</u>	2021102045	2021102382	2021102472	2021102376	<u>B60W 30 /-</u>
2021102381	2021102129	<u>A61P 29 /-</u>	<u>B07B 13 /-</u>	<u>B32B 21 /-</u>	2021102368
2021102382	<u>A61B 6 /-</u>	2021102354	<u>B07B 13 /-</u>	2019101797	
<u>A01P 7 /-</u>	2021102129	<u>A61P 3 /-</u>	<u>B09B 3 /-</u>	<u>B32B 27 /-</u>	<u>B61L 15 /-</u>
2021102381	<u>A61G 10 /-</u>	2021102349	2021102337	2019101797	2021102368
2021102382	2021101592	<u>A61P 31 /-</u>	<u>B22D 17 /-</u>	<u>B32B 29 /-</u>	<u>B61L 23 /-</u>
<u>A23B 4 /-</u>	<u>A61J 1 /-</u>	2021102398	2021101748	2019101797	2021102368
2021102411	2021102001	<u>A61P 33 /-</u>	<u>B22D 18 /-</u>	<u>B32B 3 /-</u>	<u>B63B 27 /-</u>
<u>A23F 3 /-</u>	<u>A61J 7 /-</u>	2021102381	2021101748	2019101797	2021102361
2021102349	2021102001	2021102382	<u>B22D 21 /-</u>	<u>B32B 37 /-</u>	<u>B64B 1 /-</u>
<u>A23L 13 /-</u>	<u>A61K 31 /-</u>	<u>A61P 35 /-</u>	2021101748	2019101797	2021102290
2021102411	2021102381	2021102354	2021101748	2019101797	<u>B65D 83 /-</u>
<u>A23L 23 /-</u>	2021102382	2021102398	<u>B22D 25 /-</u>	<u>B32B 5 /-</u>	2021102001
2021102411	<u>A61K 35 /-</u>	2021102411	2021101748	2019101797	<u>B82Y 15 /-</u>
<u>A23L 3 /-</u>	2021102354	<u>A61Q 19 /-</u>	<u>B22F 10 /-</u>	<u>B32B 7 /-</u>	2021102342
2021102411	2021102411	2021102391	2021102055	2019101797	<u>B82Y 40 /-</u>
	<u>A61K 36 /-</u>	<u>A63B 27 /-</u>	<u>B22F 3 /-</u>	<u>B33Y 10 /-</u>	
<u>A45C 11 /-</u>	2021102182	2021102306	2021102055	2021102055	2021102342
2021102133	2021102327	<u>A63G 21 /-</u>	2021102055	2021102055	2021102439
<u>A47C 21 /-</u>	2021102349	2019101790	<u>B22F 9 /-</u>	<u>B43L 1 /-</u>	<u>B82Y 5 /-</u>
2021102448	<u>A61K 38 /-</u>	2019101790	2021102360	2021102390	2021102439
<u>A47D 9 /-</u>	2021102398	<u>A63G 31 /-</u>	<u>B23B 45 /-</u>	<u>B60K 1 /-</u>	<u>C02F 11 /-</u>
2021102448	<u>A61K 8 /-</u>	2019101790	2021102353	2021102433	2021102383
	<u>B01D 1 /-</u>	2021102383	2021102055	2021102433	
<u>A47J 39 /-</u>	2021102391	2021102383	<u>B23K 26 /-</u>	<u>B60K 17 /-</u>	<u>C05D 9 /-</u>
2021102133	<u>A61K 9 /-</u>	2021102055	2021102055	2021102433	2021102320
<u>A47K 10 /-</u>	2021102381	<u>B01D 17 /-</u>	<u>B25F 3 /-</u>	<u>B60L 15 /-</u>	<u>C05F 17 /-</u>
2021102367	2021102382	2021102472	2021102353	2021102433	2021102320

## Innovation Patents Open to Public Inspection - IPC Index cont'd

<u>C05F 3 /-</u>	<u>D06F 53 /-</u>	<u>E06C 5 /-</u>	<u>F23Q 2 /-</u>	<u>G01N 33 /-</u>	2021102290 2021102429
2021102320	2021102379	2021102361	2021102023	2021102182 2021102327	<u>G06F 3 /-</u>
<u>C05F 5 /-</u>	<u>D06F 57 /-</u>	<u>E06C 7 /-</u>	<u>F24F 11 /-</u>	2021102396 2021102432	2021102471
2021102337	2021102379	2021102361	2021102443	2021102439 2021102452	<u>G06F 30 /-</u>
<u>C07D 301 /-</u>	<u>E01C 3 /-</u>	<u>E21C 41 /-</u>	<u>F24F 3 /-</u>	2021102455	2021102360 2021102385
2021102193	2021102288	2021101511	2021101592	<u>G01N 35 /-</u>	2021102429
<u>C07D 303 /-</u>	<u>E02D 3 /-</u>	<u>F04B 15 /-</u>	<u>F24F 8 /-</u>	2021102396	<u>G06K 9 /-</u>
2021102193	2021101369	2021102280	2021102443	<u>G01R 31 /-</u>	2021102045
<u>C07D 455 /-</u>	<u>E02D 5 /-</u>	<u>F04B 17 /-</u>	<u>F25J 3 /-</u>	2021102385 2021102407	2021102371 2021102380
2021102399	2021101369	2021102280	2021102355	2021102397	2021102441 2021102450
<u>C07K 14 /-</u>	<u>E03B 7 /-</u>	<u>F04B 23 /-</u>	<u>F26B 11 /-</u>	<u>G01S 17 /-</u>	2021101701 2021102368
2021102399	2019101800	2021102280	2021102383	2021101701 2021102368	<u>G06N 20 /-</u>
<u>C08B 37 /-</u>	<u>E03C 1 /-</u>	<u>F04B 53 /-</u>	<u>G01C 19 /-</u>	<u>G01S 19 /-</u>	2021101315 2021101701
2020104425	2019101800	2021102280	2021102368	2021102368	2021101737
<u>C08G 65 /-</u>	<u>E03D 5 /-</u>	<u>F04D 19 /-</u>	<u>G01C 21 /-</u>	<u>G01V 9 /-</u>	2021102045 2021102129
2021102193	2019101800	2021102480	2021102368	2021102281	2021102330 2021102432
<u>C08J 3 /-</u>	<u>E04C 3 /-</u>	<u>F04D 25 /-</u>	<u>G01F 23 /-</u>	<u>G02B 17 /-</u>	2021102449 2021102465
2021102102	2021102442	2021102480	2021102374 2021102468	2021102434	<u>G06N 3 /-</u>
<u>C09D 171 /-</u>	2021102473	<u>F04D 29 /-</u>	<u>G01G 19 /-</u>	<u>G02B 23 /-</u>	2021102281 2021102290
2021102193	<u>E04C 5 /-</u>	2021102480	2021102374	2021102434	2021102320
<u>C09D 5 /-</u>	2021102473	<u>F16B 13 /-</u>	<u>G01J 3 /-</u>	<u>G02B 27 /-</u>	2021102371 2021102380
2021102193	<u>E04F 13 /-</u>	2021102405	2021102441	2021102434	2021102429 2021102449
<u>C09K 11 /-</u>	2021102405	<u>F16F 1 /-</u>	<u>G01M 5 /-</u>	<u>G05B 13 /-</u>	2021102450
2021102342	<u>E04F 15 /-</u>	2021102479	2021102374	2021102360 2021102481	<u>G06N 7 /-</u>
<u>C12N 15 /-</u>	2019101797	<u>F16F 3 /-</u>	<u>G01N 1 /-</u>	<u>G05B 15 /-</u>	2021101315 2021102281
2021102456	<u>E04G 21 /-</u>	2021102479	2021102327 2021102452	2021102481	<u>G06Q 10 /-</u>
2021102470	2021102347	<u>F16K 1 /-</u>	2021101687	2021102481	
<u>C12N 5 /-</u>	<u>E04G 23 /-</u>	2019101800	<u>G01N 15 /-</u>	<u>G05B 19 /-</u>	2021102034 2021102413
2021102362	2021102442	<u>F16K 15 /-</u>	2021101687	2021102360	2021102420 2021102481
<u>C12N 9 /-</u>	2021102473	2019101800	<u>G01N 21 /-</u>	<u>G05B 23 /-</u>	<u>G06Q 20 /-</u>
2021102456	<u>E04G 3 /-</u>	<u>F16K 17 /-</u>	2021102327	2021102330	
<u>C12P 19 /-</u>	2021102347	2019101800	2021102363 2021102380	2021102335	
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<u>C12Q 1 /-</u>	2021102377	2021102387	<u>G01N 3 /-</u>	<u>G06F 111 /-</u>	2021102370
2021102182	<u>E04H 15 /-</u>	<u>F17C 13 /-</u>	2021102459	2021102385	<u>G06Q 40 /-</u>
2021102363	2021102379	2021102280	<u>G01N 30 /-</u>	<u>G06F 16 /-</u>	2021102348 2021102394
2021102364			2021102182 2021102327	2021102465	2021102465
2021102398	<u>E04H 17 /-</u>	<u>F17C 9 /-</u>	2021102452	<u>G06F 17 /-</u>	<u>G06Q 50 /-</u>
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2021102481	<u>G16H 20 /-</u>	
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<u>G06T 17 /-</u>	2021101315	<u>H04N 5 /-</u>
2021102429	<u>G16Y 10 /-</u>	2021102368 2021102448
<u>G06T 7 /-</u>	2021102001	<u>H04N 7 /-</u>
2021102129	2021102330	
2021102380		2021102390
2021102397	<u>G16Y 20 /-</u>	2021102448
2021102429	2021102001	2021102450
2021102441		
<u>G07B 15 /-</u>	<u>G16Y 30 /-</u>	<u>H04Q 9 /-</u>
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<u>G07C 9 /-</u>	<u>G16Y 40 /-</u>	<u>H04R 1 /-</u>
2021102366	2021102001 2021102330	2021102045 <u>H04W 28 /-</u>
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<u>G08B 23 /-</u>	<u>H02H 7 /-</u>	<u>H05K 5 /-</u>
2021102368	2021102330	2021102455
<u>G08B 25 /-</u>	<u>H02S 50 /-</u>	<u>No IPC Mark</u>
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**A61K 8/91 ( 2006.01 )**  
**A61Q 11/00 ( 2006.01 )**  
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**C12N 5/071 ( 2010.01 )**  
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**(51) Int. Cl.**  
**A61K 8/19 ( 2006.01 )**  
**A61K 8/27 ( 2006.01 )**  
**A61K 8/362 ( 2006.01 )**  
**A61K 8/44 ( 2006.01 )**  
**A61P 1/02 ( 2006.01 )**  
**A61Q 11/00 ( 2006.01 )**  
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**A61K 8/44 ( 2006.01 )**  
**A61Q 11/00 ( 2006.01 )**  
**A61Q 11/02 ( 2006.01 )**  
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**G01N 33/569 ( 2006.01 )**  
**G01N 33/68 ( 2006.01 )**  
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<i>A47G 19/22</i> (2006.01)						
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**A61K 47/68** ( 2017.01 )  
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**E01B 25/30** ( 2006.01 )  
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**B01D 53/00** ( 2006.01 )  
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 (54) Refrigerator and method and device for controlling refrigeration thereof  
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**F25D 29/00** ( 2006.01 )  
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 (54) Refrigerator and refrigeration control method and device therefor  
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**F25D 29/00** ( 2006.01 )  
 (87) WO2020/142930  
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 (54) Logic circuitry  
 (51) Int. Cl.  
**G06F 21/44** ( 2013.01 )  
**B41J 2/175** ( 2006.01 )  
**G06F 13/42** ( 2006.01 )  
**G06F 21/60** ( 2013.01 )  
 (87) WO2020/117197  
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 (72) GARDNER, James Michael; LINN, Scott A.; PANSHIN, Stephen D.; WARD, Jefferson P.; ROETHIG, David Owen  
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 (51) Int. Cl.  
**B41J 2/175** ( 2006.01 )  
**B41J 2/045** ( 2006.01 )  
**G06F 12/06** ( 2006.01 )  
**G06F 12/14** ( 2006.01 )  
**G06F 13/42** ( 2006.01 )  
**G06K 15/00** ( 2006.01 )  
**H04L 12/40** ( 2006.01 )  
**H04L 29/06** ( 2006.01 )  
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(54) Logic circuitry	(54) Logic circuitry			(54) Replaceable print apparatus component
(51) Int. Cl. <b>G06F 21/44</b> ( 2013.01 ) <b>B41J 2/175</b> ( 2006.01 ) <b>G06F 13/42</b> ( 2006.01 ) <b>G06F 21/74</b> ( 2013.01 ) <b>G06F 21/85</b> ( 2013.01 ) <b>G06K 15/00</b> ( 2006.01 )	(51) Int. Cl. <b>B41J 2/175</b> ( 2006.01 )			(51) Int. Cl. <b>B41J 2/175</b> ( 2006.01 ) <b>G01F 23/22</b> ( 2006.01 ) <b>G06F 1/04</b> ( 2006.01 ) <b>G06F 11/22</b> ( 2006.01 ) <b>G06F 13/42</b> ( 2006.01 ) <b>G06F 21/44</b> ( 2013.01 ) <b>G06F 21/60</b> ( 2013.01 )
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(54) Logic circuitry	(54) Logic circuitry			(74) FB Rice Pty Ltd
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(72) GARDNER, James Michael; LINN, Scott A.; PANSHIN, Stephen D.; WARD, Jefferson P.; ROETHIG, David Owen	PCT/ US2018/063630	03.12.18	US	(54) Logic circuitry
(74) FB Rice Pty Ltd	PCT/ US2018/063631	03.12.18	US	(51) Int. Cl. <b>B41J 2/175</b> ( 2006.01 ) <b>G06F 3/00</b> ( 2006.01 )
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(51) Int. Cl.  
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A61B 90/17 (2016.01)  
B28B 1/00 (2006.01)  
B29C 64/386 (2017.01)
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B64C 39/02 (2006.01)  
B64F 1/18 (2006.01)  
G05D 1/06 (2006.01)  
G08G 5/00 (2006.01)  
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A61B 34/00 (2016.01)  
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A61B 17/56 (2006.01)  
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G16H 50/50 (2018.01)  
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H04N 19/70 (2014.01)  
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H04N 19/503 (2014.01)  
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(54) Method and apparatus of mode- and size-dependent block-level restrictions  
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H04N 19/50 (2014.01)  
H04N 19/14 (2014.01)  
H04N 19/82 (2014.01)  
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(51) Int. Cl.  
A22B 5/00 (2006.01)  
A22B 7/00 (2006.01)  
A22C 17/00 (2006.01)  
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B32B 13/10 (2006.01)  
B32B 21/02 (2006.01)  
C04B 28/10 (2006.01)  
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**E04F 15/08** ( 2006.01 )  
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**(51)** Int. Cl.  
**C07C 37/14** ( 2006.01 )  
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**(54)** System and method of digital product onboarding and distribution using the cloud service brokerage infrastructure  
**(51)** Int. Cl.  
**G06Q 30/00** ( 2012.01 )  
**G06F 9/54** ( 2006.01 )  
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**C07K 16/28** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 49/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(74)** Pearce IP Pty Ltd
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**(54)** Method for the at least partially automated planning of an installation of lift components of a lift system  
**(51)** Int. Cl.  
**B66B 19/00** ( 2006.01 )  
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**(72)** BÜTLER, Erich; ZIMMERLI, Philipp; BITZI, Raphael  
**(74)** Griffith Hack
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**(54)** Method for operating a construction site device, and construction site device  
**(51)** Int. Cl.  
**B66B 19/00** ( 2006.01 )  
**B66B 9/187** ( 2006.01 )  
**E04G 11/28** ( 2006.01 )  
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**(72)** HUSMANN, Josef  
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**(54)** Method and brake controller for controlling a brake of an elevator system

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**B66B 5/02** ( 2006.01 )  
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(54) Detection of users of a passenger transport system
- (51) Int. Cl.  
**B66B 25/00** ( 2006.01 )  
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- (51) Int. Cl.  
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**A61M 11/00** (2006.01)  
**A61M 11/02** (2006.01)  
**A61M 15/00** (2006.01)  
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**H04L 12/70** (2013.01)  
**H04L 12/751** (2013.01)  
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**G06F 30/23** (2020.01)  
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**A61K 31/506** (2006.01)  
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**A61K 45/06** (2006.01)  
**A61P 35/02** (2006.01)  
**C07K 16/28** (2006.01)  
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 (51) Int. Cl.  
**H04L 12/70** (2013.01)  
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**C07K 16/28** (2006.01)  
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**A61P 35/02** (2006.01)  
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A61K 31/506 ( 2006.01 )				
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A61K 39/395 ( 2006.01 )				
A61K 45/06 ( 2006.01 )				
A61P 35/02 ( 2006.01 )				
C07K 16/28 ( 2006.01 )				
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B32B 7/08 ( 2019.01 )				
A41D 13/11 ( 2006.01 )				
A42B 3/26 ( 2006.01 )				
B32B 27/08 ( 2006.01 )				
B32B 27/36 ( 2006.01 )				
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C25B 3/25 ( 2021.01 )				
C25B 1/04 ( 2006.01 )				
C25B 9/19 ( 2021.01 )				
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C02F 1/34 ( 2006.01 )				
B01F 5/04 ( 2006.01 )				
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C02F 11/04 ( 2006.01 )				
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C02F 1/24 ( 2006.01 )				
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C02F 103/32 ( 2006.01 )				
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G06Q 30/02 ( 2012.01 )				
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*H01R 13/04* (2006.01)  
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*A61B 17/22* (2006.01)  
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 (72) GANZ, Robert A.; AUGUSTINE, Michael W.  
 (74) Allens Patent & Trade Mark Attorneys

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 (51) Int. Cl.  
*A01H 3/00* (2006.01)  
*A01N 63/20* (2020.01)  
*C12N 1/00* (2006.01)  
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 (51) Int. Cl.  
*C09D 4/00* (2006.01)  
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*C09D 133/04* (2006.01)  
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(11)	AU-A-2019398322	(74) Phillips Ormonde Fitzpatrick			(11) AU-A-2019392923
(21)	2019398322	(22) 12.12.2019			(21) 2019392923
(54)	Amplification methods and systems for MERFISH and other applications				(22) 06.12.2019
(51)	Int. Cl.				(54) Production of hydrogen and FT products by steam/CO <sub>2</sub> reforming
	C12Q 1/6813 ( 2018.01 )				(51) Int. Cl.
	C12Q 1/682 ( 2018.01 )				<b>C01B 3/00</b> ( 2006.01 )
	C12Q 1/6837 ( 2018.01 )				(87) WO2020/118236
	C12Q 1/6841 ( 2018.01 )				(31) 62/776,203
	G01N 21/64 ( 2006.01 )				(32) 06.12.18 (33) US
	G01N 33/533 ( 2006.01 )				(43) 11.06.2020
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(87)	WO2020/123742				(74) Dentons Patent Attorneys Australasia Limited
(31)	62/779,333	(32) 13.12.18 (33) US			
(43)	18.06.2020				
(72)	ZHUANG, Xiaowei; XIA, Chenglong; MOFFITT, Jeffrey R.				
(74)	Pizzeys Patent and Trade Mark Attorneys Pty Ltd				
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(51)	Int. Cl.				(54) A system and method for managing inventory within a smart box
	C07K 14/775 ( 2006.01 )				(51) Int. Cl.
	C12N 15/113 ( 2010.01 )				<b>G06Q 10/00</b> ( 2012.01 )
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(72)	ABELIOVICH, Asa; HECKMAN, Laura; RHINN, Herve				16/674,487
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(74)	Spruson & Ferguson				(74) Stellar Law Pty Ltd
(71)	Procore Technologies, Inc.				(71) Rebound Therapeutics Corporation
(11)	AU-A-2019379111				(11) AU-A-2019393894
(21)	2019379111	(22) 11.11.2019			(21) 2019393894
(54)	Computer system and method for managing coordination issues in construction projects				(22) 06.12.2019
(51)	Int. Cl.				(54) A cannula and proximally mounted camera with an imaging control system for rotating images
	G06Q 50/08 ( 2012.01 )				(51) Int. Cl.
	G06F 30/00 ( 2020.01 )				<b>A61B 17/34</b> ( 2006.01 )
	G06Q 10/06 ( 2012.01 )				<b>A61B 17/00</b> ( 2006.01 )
(87)	WO2020/102114				<b>A61B 34/20</b> ( 2016.01 )
(31)	62/760,904	(32) 13.11.18 (33) US			<b>A61B 90/00</b> ( 2016.01 )
	16/276,272				(87) WO2020/118258
(43)	22.05.2020	14.02.19	US		(31) 62/776,055
(72)	BINDLOSS, Chris; MCCOOL, Dave				(32) 06.12.18 (33) US
(74)	Phillips Ormonde Fitzpatrick				(43) 11.06.2020
(43)	22.05.2020				(72) TSUKASHIMA, Ross; DAVIS, Peter G.; FLOWER, Robert; AMORSOLO, Milo A.
(71)	Procore Technologies, Inc.				(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
(11)	AU-A-2019380266				
(21)	2019380266	(22) 11.11.2019			
(54)	Computer system and method for navigating building information model views				
(51)	Int. Cl.				
	G06F 3/0481 ( 2013.01 )				
	G06F 3/0484 ( 2013.01 )				
	G06F 30/00 ( 2020.01 )				
	G06T 19/00 ( 2011.01 )				
(87)	WO2020/102113				
(31)	62/760,904	(32) 13.11.18 (33) US			
(71)	Procore Technologies, Inc.				
(11)	AU-A-2019405976				
(21)	2019405976	(22) 20.12.2019			
(54)	Oral therapy using 6,8-bis-benzylthio-octanoic acid				
(51)	Int. Cl.				
	A61K 31/20 ( 2006.01 )				
	A61P 35/00 ( 2006.01 )				
	A61P 35/02 ( 2006.01 )				
(87)	WO2020/132401				
(31)	62/782,938	(32) 20.12.18 (33) US			
	62/834,478				
(43)	25.06.2020	16.04.19	US		
(72)	SHORR, Robert G.L.; PARDEE, Timothy S.; BOTEJU, Lakmal				
(74)	Pizzeys Patent and Trade Mark Attorneys Pty Ltd				
(71)	Rafael Pharmaceuticals, Inc.				
(11)	AU-A-2019405976				
(21)	2019405976	(22) 20.12.2019			
(54)	Oral therapy using 6,8-bis-benzylthio-octanoic acid				
(51)	Int. Cl.				
	A61K 31/20 ( 2006.01 )				
	A61P 35/00 ( 2006.01 )				
	A61P 35/02 ( 2006.01 )				
(87)	WO2020/132401				
(31)	62/782,938	(32) 20.12.18 (33) US			
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*H04W 72/12* ( 2009.01 )  
*H04W 4/70* ( 2018.01 )  
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 (21) 2020254803 (22) 03.04.2020  
 (54) Two-part phosphate ester elastomeric epoxy composition and method of use thereof  
 (51) Int. Cl.  
*C08G 59/40* ( 2006.01 )  
*C08J 9/00* ( 2006.01 )  
*C08L 63/00* ( 2006.01 )  
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 (21) 2019383714 (22) 15.11.2019  
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 (51) Int. Cl.  
*E06B 3/663* ( 2006.01 )  
*E06B 3/54* ( 2006.01 )  
*E06B 5/10* ( 2006.01 )  
*F41H 5/04* ( 2006.01 )  
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 (31) 1818966.2 (32) 21.11.18 (33) GB  
 (43) 28.05.2020  
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 (74) FPA Patent Attorneys Pty Ltd

(71) Zhuhai Yunzhou Intelligence Technology Ltd.  
 (11) AU-A-2019372032  
 (21) 2019372032 (22) 01.11.2019  
 (54) Power buoyant device  
 (51) Int. Cl.  
*B63C 9/04* ( 2006.01 )  
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(71) Zlip Holding Limited  
 (11) AU-A-2019391204  
 (21) 2019391204 (22) 06.12.2019  
 (54) Anti-Claudin antibodies and uses thereof  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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(71) ZTE Corporation  
 (11) AU-A-2019372674  
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 (54) Methods and devices for sending and receiving messages, and storage medium

## Numerical Index

2018447341	Keeson Technology Corporation Limited	2019374743	Neovasc Tiara Inc.
2018448130	FTS Forest Technology Systems Ltd.	2019374775	Rebound International, LLC
2018448263	Peng, X.	2019374785	Visa International Service Association
2018448599	W.L. Gore & Associates, Inc.	2019374820	Trustees of Tufts College
2018448732	Nakul, N.	2019374898	University of Miami
2018448950	Citrix Systems, Inc.	2019374899	Visa International Service Association
2018449035	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	2019374965	Swissmeda AG
2018449223	Telefonaktiebolaget LM Ericsson (Publ)	2019375020	Ontech Security SL
2018449272	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	2019375072	VALCHEDOR CASK S.L.
2018449379	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	2019375198	Art Medical Ltd.
2018449556	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	2019375206	Apramitha Innovations Private Limited
2018449735	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	2019375392	Citrix Systems, Inc.
2018449839	Guangzhou Xaircraft Electronic Technology Co., Ltd	2019375825	Xuanzhu Biopharmaceutical Co., Ltd.
2018449992	Response-Engineer, Inc	2019375920	4LegsFit Pty Ltd
2018450016	Guangzhou Xaircraft Technology Co., Ltd.	2019375963	University of Louisville Research Foundation; Steinback-Rankins, J.; Palmer, K.
2018450271	Guangzhou Xaircraft Technology Co., Ltd.	2019376002	Schlage Lock Company LLC
2018450426	Guangzhou Xaircraft Technology Co., Ltd.	2019376412	DP Polar GmbH
2018450480	Peng, X.	2019376493	Soletanche Freyssinet
2018450490	Guangzhou Xaircraft Technology Co., Ltd.	2019376630	Georgetown University
2018450592	Guangzhou Xaircraft Technology Co., Ltd.	2019376663	Generation Bio Co.
2018451612	Hewlett-Packard Development Company, L.P.	2019376907	Galmed Research and Development Ltd.
2018451720	Hewlett-Packard Development Company, L.P.	2019377213	Fresenius Medical Care Deutschland GmbH
2018451723	Hewlett-Packard Development Company, L.P.	2019377237	Versono Medical Limited
2018452022	Epiroc Canada Inc.	2019377274	University of Johannesburg
2018452059	EGI Tech (Shen Zhen) Co., Limited	2019377648	SIMON, J.
2018452089	Northeastern University	2019377822	Northward Ventures, LLC
2018452256	Hewlett-Packard Development Company, L.P.	2019377866	JPMorgan Chase Bank, N.A.
2018452257	Hewlett-Packard Development Company, L.P.	2019378026	Ionis Pharmaceuticals, Inc.
2018452542	GCP Applied Technologies Inc.	2019378060	Hôpitaux Universitaires de Genève
2018452624	Total SE	2019378143	Great North Research And Innovation Ltd
2018452655	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation	2019378525	LG Electronics Inc.
2018453104	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019378805	VR Coaster GmbH & Co. KG
2018453128	Tarapeutics Science Inc.	2019378844	GloFish, LLC
2018453582	Viasat, Inc.	2019379092	Thirdwayv, Inc.
2018453822	ASICS Corporation	2019379111	Procore Technologies, Inc.
2018453878	Knauf Gips KG	2019379140	Xu, J.Q.; Zhang, X.Y.; Wang, J.; Zhu, L.Y.; CN.USA Biotech Holdings, Inc.
2018453930	Hill's Pet Nutrition, Inc.	2019379160	The Broad Institute, Inc.; President and Fellows of Harvard College; Massachusetts Institute of Technology; The General Hospital Corporation
2018454317	UPL Limited	2019379268	Indena S.p.A.
2018454447	Beijing Guanghe New Energy Technology Co., Ltd.	2019379427	Canasia Australia Pty Ltd
2018454465	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019379711	Alipay (Hangzhou) Information Technology Co., Ltd.
2018455216	Colgate-Palmolive Company	2019379794	NGF Nature Energy Biogas A/S
2018455876	Crane & Co., Inc.	2019379808	Arcus Biosciences, Inc.
2019362094	Tillotson, D.	2019379822	Dentsply Sirona Inc.
2019366475	Daniiluk, J.	2019379875	Canasia Australia Pty Ltd
2019370565	Ampersand Biopharmaceuticals, Inc.	2019379989	Evonik Operations GmbH
2019370622	3rd Party Origin T/A Unit Logistics	2019380266	Procore Technologies, Inc.
2019370860	PFS Genomics, Inc.	2019380299	NIX, Inc.
2019371158	Tracy of Sweden AB	2019380525	OCuSOFT, Inc.
2019371413	Piranha Medical, LLC	2019380668	NGF Nature Energy Biogas A/S
2019371441	ZBra Care Ltd.	2019381454	Sharp Kabushiki Kaisha
2019371949	Vivo Mobile Communication Co., Ltd.	2019381750	Vertex Pharmaceuticals Incorporated
2019372032	Zhuhai Yunzhou Intelligence Technology Ltd.	2019381793	The Research Foundation for the State University of New York
2019372250	Amicro Semiconductor Co., Ltd.	2019382262	Université Clermont Auvergne; Centre national de la recherche scientifique; Institut national de recherche pour l'agriculture, l'alimentation et l'environnement
2019372300	Tracy of Sweden AB	2019382893	WATERDIAM GROUP LLC
2019372674	ZTE Corporation	2019383035	Safe Take Cash (Pty) Ltd. [-/ZA]
2019373702	Shanghai Maxinovel Pharmaceuticals Co., Ltd.	2019383212	Jichi Medical University; Otsuka Pharmaceutical Factory, Inc.
2019374400	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	2019383350	ARRIS Enterprises LLC
2019374418	Neurimmune AG	2019383548	Strike Pharma AB
2019374703	Applied Molecular Transport Inc.	2019383565	Animal Dynamics Limited
		2019383714	Zucker, J.; Brades, J.

## PCT applications which have entered the National Phase - Numerical Index cont'd

2019383776	Uber Technologies, Inc.	2019392064	Hewlett-Packard Development Company, L.P.
2019384259	Xiamen Innodx Biotech Co., Ltd.; Xiamen University	2019392087	Trim-Edicine, Inc.
2019384362	Biofabrik Hoyerswerda GmbH	2019392181	Hewlett-Packard Development Company, L.P.
2019384515	TRIPP, Inc.	2019392275	DuPont Nutrition Biosciences ApS
2019384619	Humboldt B.V.	2019392277	Syngenta Crop Protection AG
2019384669	ROVEGNO, N.	2019392310	I4F Licensing NV
2019384733	New York University	2019392389	Landis+Gyr Innovations, Inc.
2019384784	Kuraray Noritake Dental Inc.	2019392447	SharkNinja Operating LLC
2019384816	Board of Regents, The University of Texas System; Institut Gustave Roussy	2019392466	Hewlett-Packard Development Company, L.P.
2019385370	Shenzhen Chipscreen Biosciences, Co., Ltd.	2019392518	Bayer Aktiengesellschaft
2019385373	Shenzhen Chipscreen Biosciences, Co., Ltd.; Rui Jin Hospital Affiliated to Shanghai Jiao Tong University School of Medicine	2019392557	Vid Scale, Inc
2019385389	Bissell Inc.	2019392579	HaemalogiX Pty Ltd
2019385515	Adaptive 3D Technologies, LLC	2019392626	Breath Therapeutics GmbH
2019385525	Coloplast A/S	2019392645	West, T.J.
2019385694	Waterdiam Group LLC	2019392736	SMIICS GmbH
2019385750	Axis Spine Technologies Ltd	2019392780	Advanced Euclidean Solutions, LLC
2019385920	Gree Electric Appliances, Inc. of Zhuhai	2019392844	Germitec
2019386080	The Regents of the University of California	2019392903	Genome Protection, Inc.
2019386085	Opus 12 Incorporated	2019392923	Raven SR LLC
2019386140	Board of Regents, The University of Texas System	2019392939	PFS Genomics, Inc.; Decipher Biosciences, Inc.
2019386256	SUEZ Groupe	2019393045	Nippon Telegraph and Telephone Corporation
2019386366	Vernacare Limited	2019393082	Sicking Safety Systems LLC
2019386380	Sercel	2019393137	Roquette Freres
2019386549	ABL Bio Inc.	2019393191	Sumitomo Chemical Company, Limited
2019386558	Aker Carbon Capture Norway AS	2019393358	Medical Inventi S.A.
2019386779	Dong, F.	2019393436	Nippon Telegraph and Telephone Corporation
2019386830	Board of Regents, The University of Texas System	2019393437	Nippon Telegraph and Telephone Corporation
2019386917	Huawei Technologies Co., Ltd.	2019393692	Hewlett-Packard Development Company, L.P.
2019386933	Agro Intelligence ApS	2019393739	The Brain Protection Company Pty Ltd
2019387099	Buckman Laboratories International, Inc.	2019393789	Global BioLife Inc.
2019387212	Arena Pharmaceuticals, Inc.	2019393818	Avedro, Inc.; HILL, J.; ADLER, D.; FRIEDMAN, M.D.; KAMAEV, P.; SHERR, E.
2019387229	Waterguru, Inc.	2019393838	Fundação Universidade Federal De São Carlos; Suzano S.A.
2019387338	Commissariat A L'Energie Atomique Et Aux Energies Alternatives	2019393894	Rebound Therapeutics Corporation
2019387342	EirGen Pharma Ltd.	2019393898	Cytozyme Laboratories, Inc.
2019387394	Tilkoblede Belgium BVBA	2019393950	Bayer Aktiengesellschaft
2019387464	January, Inc.	2019394008	Subsea 7 Norway AS
2019387497	Juno Therapeutics, Inc.	2019394054	WINBO-Dongjian Automotive Technology Co., Ltd.
2019387548	For Spills Ltd	2019394072	Smiics GmbH
2019387722	Bee Vectoring Technology Inc.	2019394090	Inxo A/S
2019388458	Grey, J.A.	2019394172	BAE Systems plc
2019388795	Dong, F.	2019394176	Byotrol PLC
2019388975	Prevail Therapeutics, Inc.	2019394682	Hewlett-Packard Development Company, L.P.
2019389005	Geron Corporation	2019394773	Corning Research & Development Corporation
2019389007	Visa International Service Association	2019394776	The Brain Protection Company Pty Ltd
2019389168	Comet Therapeutics, Inc.	2019394781	Stryker Corporation
2019389180	Alfa Laval Corporate AB	2019394810	Faron Pharmaceuticals Oy
2019389244	CHEP Technology Pty Limited	2019394824	Roquette Freres
2019389307	University of Cape Town	2019394853	Landis+Gyr Innovations, Inc.
2019390401	Roar Holding LLC	2019394855	Tien, D.
2019390413	Repligen Corporation	2019394916	O&M Halyard, Inc.
2019390863	Takeda Pharmaceutical Company Limited	2019394940	Genentech, Inc.
2019391019	Hewlett-Packard Development Company, L.P.	2019394947	Viking Therapeutics, Inc.
2019391109	Opiant Pharmaceuticals, Inc.	2019395041	Bray International, Inc.
2019391114	Vertex Pharmaceuticals Incorporated	2019395093	Radius Pharmaceuticals, Inc.
2019391204	Zlip Holding Limited	2019395190	Sumitomo Metal Mining Co., Ltd.
2019391315	Hoverseen	2019395284	Athenex HK Innovative Limited
2019391316	Essilor International	2019395286	Harper Biotech LLC D/B/A Simbuka Energy, LLC
2019391417	Crank Brothers, Inc.	2019395313	PayPal, Inc.
2019391441	SRINIVASAN, N. A. Mahalakshmi	2019395319	CureVac AG
2019391601	Vast Solar Pty Ltd	2019395325	Eli Lilly and Company
2019391602	La Trobe University	2019395334	Bluebird Bio, Inc.
2019391603	3DMorphic Pty Ltd	2019395371	PayPal, Inc.
2019391606	Petróleo Brasileiro S.A. - Petrobras	2019395403	Bolder Industries
2019391633	GU, T.	2019395708	Wntresearch AB
2019391717	Caterpillar Inc.	2019395875	Roquette Freres
2019391779	Southwest Research Institute	2019395884	Faradion Limited
2019392034	Ecopro Innovation Co., Ltd.	2019395885	Specialist Vehicle Research And Development Ltd.
2019392063	Hewlett-Packard Development Company, L.P.	2019395908	Sabic Global Technologies B.V.
		2019395919	Danstar Ferment AG
		2019396127	STT-Surfex Technology & Trading Pty Ltd

## PCT applications which have entered the National Phase - Numerical Index cont'd

2019396327	Ball Corporation	2019401214	Aimmune Therapeutics, Inc.
2019396352	ESCO Group LLC	2019401254	Stealth BioTherapeutics Corp.
2019396408	Koninklijke Douwe Egberts B.V.	2019401314	The Trustees of the University of Pennsylvania
2019396431	ASSIA SPE, LLC	2019401444	DJO, LLC
2019396450	University of Rochester	2019401485	Pivot Bio, Inc.
2019396477	Ares Trading S.A.	2019401495	Amgen Inc.
2019396514	YETI Coolers, LLC	2019401556	ViaSat, Inc.
2019396544	PPG Industries Ohio, Inc.	2019401573	G & W Electric Company
2019396551	Mako Surgical Corp.	2019401576	Aimmune Therapeutics, Inc.
2019396553	Bluebird Bio, Inc.	2019401638	The Trustees of the University of Pennsylvania
2019396566	Essilor International	2019401735	LG Chem, Ltd.
2019396665	WastIQ B.V.	2019401934	Colgate-Palmolive Company
2019396834	NewSouth Innovations Pty Limited	2019401994	RxPrism Health Systems Pvt. Ltd; Viswanathan, M.
2019397017	Samsung Electronics Co., Ltd.	2019402034	Essence Security International (E.S.I.) LTD.
2019397048	Bellicum Pharmaceuticals, Inc.	2019402075	Colgate-Palmolive Company
2019397068	Curelator, Inc.	2019402083	Colgate-Palmolive Company
2019397152	Bluebird Bio, Inc.	2019402139	Janssen Pharmaceuticals, Inc.
2019397167	RMH Tech LLC	2019402149	Johnson & Johnson Consumer Inc.
2019397240	Uber Technologies, Inc.	2019402151	Novartis AG
2019397247	Dicerna Pharmaceuticals, Inc.	2019402854	Colgate-Palmolive Company
2019397260	Cognitive Clarity Inc.	2019402998	Merck Sharp & Dohme Corp.
2019397364	Bluebird Bio, Inc.	2019402999	Agrenetics, Inc.
2019397383	Lupin Inc.	2019403402	The Board Of Trustees Of The Leland Stanford Junior University
2019397427	Sera Prognostics, Inc.; The Regents of The University of California	2019403486	Amgen Inc.
2019397508	Natural Extraction Systems, LLC	2019403488	Amgen Inc.
2019397560	Athenex HK Innovative Limited	2019403533	Korea Research Institute of Chemical Technology
2019397569	RHT Rail Haul Technologies Inc.	2019403607	LG Chem, Ltd.
2019397602	Sabic Global Technologies B.V.	2019403856	Stealth BioTherapeutics Corp.
2019397742	Clean Planet Inc.	2019403878	Motorola Solutions, Inc.
2019397944	Huawei Technologies Co., Ltd.	2019403903	Nortic Holdings Inc.
2019398024	Domino's Pizza Enterprises Limited	2019403912	Colgate-Palmolive Company
2019398032	Subsea 7 do Brasil Servicos Ltda	2019404045	Access Vascular, Inc.
2019398113	Lassogen, Inc.	2019404267	Essence Security International ESI Ltd.
2019398123	Becton, Dickinson and Company	2019404304	Lukka, Inc.
2019398165	Phoenix Contact GmbH & Co. KG	2019404339	Rafael Pharmaceuticals, Inc.
2019398196	Think Surgical, Inc.	2019404445	Grail, Inc.
2019398276	Transitions Optical, Ltd.	2019404553	Cedars-Sinai Medical Center
2019398314	Howmedica Osteonics Corp.	2019404556	Life Technologies Corporation
2019398322	President and Fellows of Harvard College	2019404576	Amgen Inc.
2019398441	Asterion Therapeutics BVBA	2019405137	Tableau Software, Inc.
2019398467	Fred Hutchinson Cancer Research Center	2019405389	Hanmi Pharm. Co., Ltd.
2019398640	Essilor International	2019405454	Tagheef Industries, Inc.
2019398673	Vogelsang GmbH & Co. KG	2019405477	Vertex Pharmaceuticals Incorporated
2019398716	Enpro Subsea Limited	2019405736	Regeneron Pharmaceuticals, Inc.
2019398742	ArcelorMittal	2019405915	Marlinz Pharma, LLC
2019398893	RSD Holdings Limited	2019405960	6K Inc.
2019399135	Orbis Mining Pty Ltd	2019405976	Rafael Pharmaceuticals, Inc.
2019399322	LG Electronics Inc.	2019406210	Board of Regents, The University of Texas System
2019399406	Hardt IP B.V.	2019406240	Koninklijke Douwe Egberts B.V.
2019399601	Graphic Packaging International, LLC	2019406290	RE-LID Engineering AG
2019399602	Graphic Packaging International, LLC	2019406297	Eurofilters Holding N.V.
2019399603	Graphic Packaging International, LLC	2019406614	Colgate-Palmolive Company
2019399660	TipeME Holdings Pty Ltd.	2019406813	ESCO Group LLC
2019399663	NewSouth Innovations Pty Limited	2019406965	Inventio AG
2019399674	Societe de Commercialisation des Produits de la Recherche Appliquée Socpra Sciences et Génie S.E.C.	2019407082	Inventio AG
2019399925	Creo Medical Limited	2019407156	Janssen Pharmaceuticals, Inc.
2019399929	STL Systems AG	2019407158	Janssen Pharmaceuticals, Inc.
2019399938	Inventio AG	2019407243	Inventio AG
2019399939	Lynk Pharmaceuticals Co. Ltd.	2019407255	Siemens Mobility GmbH
2019400030	Bausch Health Ireland Limited	2019407321	Ed. Züblin Aktiengesellschaft
2019400523	Yang, H.J.	2019407595	SaltX Technology AB
2019400682	Amcor Flexibles Capsules France	2019407845	Rio Tinto Alcan International Limited
2019400693	Inventio AG	2019408048	Virometix AG; Universität Zürich
2019400926	Nicoventures Trading Limited	2019408359	Touchstone International Medical Science Co., Ltd.
2019400942	A.C.N. 630 589 507 PTY LTD	2019408388	Paques I.P. B.V.
2019400943	Breville Pty Limited	2019408431	DEME Offshore BE N.V.
2019400972	Janssen Pharmaceuticals, Inc.	2019408495	Touchstone International Medical Science Co., Ltd.
2019400978	Novartis AG	2019408928	Fischer, S.; Wilke, T.; Mohr, B.
2019400980	Novartis AG	2019409071	Fraunhofer-Gesellschaft zur Förderung der ange-wandten Forschung e.V.
2019401170	Huawei Technologies Co., Ltd.	2019409106	Bayer Aktiengesellschaft

## PCT applications which have entered the National Phase - Numerical Index cont'd

2019409113	Inventio AG	2019427381	Weng, Z.
2019409513	BASF SE	2019429182	Halliburton Energy Services, Inc.
2019409700	Inventio AG	2019431484	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2019409710	Subsea 7 Norway AS	2019431661	Mitsubishi Electric Corporation
2019409732	Unilever IP Holdings B.V.	2019433040	China University of Mining and Technology
2019409946	Inventio AG	2019433376	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2019409983	Fivecast Pty Ltd	2019437093	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019409986	CSR Building Products Limited	2019446194	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019409988	Breville Pty Limited	2019449031	NorthEastern University
2019409989	Breville Pty Limited	2019449883	Ascentage Pharma (Suzhou) Co., Ltd.; Ascentage Pharma Group Corp Limited; Shanghai Yasheng Pharmaceutical Technology Co., Ltd.
2019410547	Vanabot Ltd	2019454858	Liu, D.
2019410648	Touchstone International Medical Science Co., Ltd.	2020204304	Aaren Scientific Inc.
2019410702	Inventio AG	2020204665	Solidification Products International, Inc.
2019411076	Inventio AG	2020204742	University of Vermont and State Agricultural College; Paredox Therapeutics, LLC; Wake Forest University Health Sciences
2019411145	Arkema France	2020204970	Ascendis Pharma Oncology Division A/S
2019411551	Arecor Limited	2020205029	Ascendis Pharma Oncology Division A/S
2019411787	NEC Platforms, Ltd.	2020205079	Abbott Diabetes Care Inc.
2019411887	Sumitomo Chemical Company, Limited	2020205160	Intocell, Inc.
2019412048	Solution Expert 33 International Co., Ltd; Solution Expert 33 International Co., Ltd; SenseAGE Co., Ltd	2020207089	Kyorin Pharmaceutical Co., Ltd.
2019412262	Guangdong Midea White Home Appliance Technology Innovation Center Co. Ltd.; Midea Group Co.,Ltd.	2020207132	Eli Lilly and Company
2019412501	Schreder S.A.	2020207391	Sumitomo Dainippon Pharma Oncology, Inc.
2019412730	Koninklijke Douwe Egberts B.V.	2020208099	VBN Components AB
2019412750	Schreder S.A.	2020208145	Boehringer Ingelheim Animal Health USA Inc.
2019413054	Sumitomo Chemical Company, Limited	2020208564	Dr. Willmar Schwabe GmbH & Co. KG
2019413433	Ingram Micro Inc.	2020209354	Hövding Sverige AB
2019413741	Spreadtrum Communications Shanghai Co. Ltd.	2020209451	Microsoft Technology Licensing, LLC
2019414092	Sumitomo Chemical Company, Limited	2020209656	AMI Holdings Limited
2019414236	Colgate-Palmolive Company	2020209847	Modern Meadow, Inc.
2019414240	Colgate-Palmolive Company	2020211108	Alcon Inc.
2019414251	Toray Industries, Inc.	2020211588	Dragonas, H.T.
2019414295	Colgate-Palmolive Company	2020211609	Continuous Composites Inc.
2019414793	Innate Pharma	2020211729	Nicoventures Trading Limited
2019414854	Schreder S.A.	2020213954	Sony Corporation
2019414856	Orege	2020216283	Wesco Equity Corporation
2019414934	Verlimmune LLC	2020216554	Detnet South Africa (Pty) Ltd
2019414942	Dexcom, Inc.	2020218504	Clara Analytics, Inc.
2019414946	Super Vacuum Manufacturing Company, Inc.	2020219303	Lyons, V.; Lyons, K.
2019415077	Bayer CropScience K.K.	2020219945	SubSea Craft Limited
2019415238	Sumitomo Chemical Company, Limited	2020222206	Inventio AG
2019415992	Inventio AG	2020222279	Agrorobotica S.r.l
2019415997	Inventio AG	2020226295	Stephenson Technologies Inc.
2019416115	Bloom Energy Corporation	2020227162	Inventio AG
2019416844	Nachi, H.	2020230451	Buttriss, J.
2019416897	University of Cape Town	2020230870	Atlas Elektronik GmbH; thyssenkrupp AG
2019417312	Colgate-Palmolive Company	2020231131	Sika Technology AG
2019417313	Colgate-Palmolive Company	2020231261	Enzychem Lifesciences Corporation
2019417315	Colgate-Palmolive Company	2020231908	Precision Planting LLC
2019417318	Colgate-Palmolive Company	2020234820	Encellin, Inc.
2019417394	Sumitomo Chemical Company, Limited	2020239012	SharkNinja Operating LLC
2019417453	Avent, Inc.	2020240098	Capital One Services, LLC
2019417581	Corteva Agriscience LLC	2020241029	King Technology Inc.
2019417833	Biomea Fusion, LLC	2020242303	Novozymes A/S
2019418353	Creative Toys LLC	2020247986	Nippon Steel Corporation
2019418426	Cool Gear International, LLC	2020249184	Southern Innovation International Pty Ltd
2019419320	Battolyser Holding B.V.	2020254803	Zephyros, Inc.
2019419948	Turun yliopisto	2020264281	Coupang Corp.
2019420384	Casio Computer Co., Ltd.	2020264285	Coupang Corp.
2019420442	CJ Cheiljedang Corporation	2020278531	NR Engineering Co., Ltd; NR Electric Co., Ltd
2019420979	Alexander Binzel Schweißtechnik GmbH & Co. KG	2020289835	Hanwha Corporation
2019421063	Halliburton Energy Services, Inc.	2020289836	Hanwha Corporation
2019421318	Nanjing University Yancheng Environmental Protection Technology and Engineering Research Institute	2020289840	Hanwha Corporation
2019421490	Hefei Midea Refrigerator Co., Ltd.; Hefei Hualing Co., Ltd.; Midea Group Co., Ltd.	2020289842	Hanwha Corporation
2019421618	Hefei Midea Refrigerator Co., Ltd.; Hefei Hualing Co., Ltd.; Midea Group Co., Ltd.	2020327346	Sekisui House, Ltd.
2019423361	Alcon Inc.	2020341205	ITECO LTD.
2019426739	Grac, Y.		
2019426894	Crown Equipment Corporation		

PCT applications which have entered the National Phase - Numerical Index cont'd

2020343932 KANDAMKULATHY, S.A.  
2020356793 Nantong University  
2020370140 Roadtec, Inc.  
2020383290 Rifeng Enterprise (Foshan) Co., Ltd.; Rifeng Enterprise Group Co., LTD.  
2020384152 Fu, H.

## IPC Index

<u>A01B 1 /-</u>	<u>A01N 35 /-</u>	2019414092 2019415238 2019411887 2019417394	2019454858	<u>A47F 3 /-</u>	2019393894 2019394776 2019396551 2019398196
2019386933		<u>A23L 23 /-</u>	2019377648		
<u>A01G 23 /-</u>	<u>A01N 37 /-</u>	2019409732	<u>A47G 19 /-</u>	2019398314 2019408359	
2019371158	2019395919	<u>A23L 29 /-</u>	2019406240 2019418426	2019408495 2019410648	
<u>A01G 33 /-</u>	<u>A01P 7 /-</u>	2019409732	<u>A47J 31 /-</u>	<u>A61B 18 /-</u>	
2019389307	2020208145	<u>A23L 33 /-</u>	2019392736		
				2019399925	
<u>A01G 7 /-</u>	<u>A21D 13 /-</u>	2019386779 2019388795 2019454858	2019394072 2019406240 2019412730	2019400030 2019417453	
2019415077	<u>A01N 41 /-</u>	2019397508	<u>A47J 36 /-</u>	<u>A61B 3 /-</u>	
<u>A01H 1 /-</u>	<u>A21D 2 /-</u>	2019454858 2020231261		2019392780	
2019392277	2019392518	<u>A22B 5 /-</u>	<u>A47J 43 /-</u>	<u>A61B 34 /-</u>	
2019402999	2019393191	2019384619	2019409989	2019393894	
<u>A01H 3 /-</u>	2019393950	<u>A22B 7 /-</u>	2020239012	2019396551	
2019401485	2019411887	2019384619	<u>A47J 44 /-</u>	2019398314	
<u>A01H 5 /-</u>	2019414092	2020211729		<u>A61B 5 /-</u>	
	2019417394	<u>A22C 17 /-</u>	<u>A41B 3 /-</u>		
2019392277	2020208145	2019400943	2019371441 2019375198		
<u>A01K 15 /-</u>	<u>A01N 47 /-</u>	2019384619	<u>A47J 47 /-</u>	2019380299	
2019375920	2019392518	<u>A23C 21 /-</u>	2019392645	2019387394	
<u>A01K 47 /-</u>	2019411887	2019394916	<u>A47K 4 /-</u>	2019414942	
	2019417394	2020209354	2020219303	2019419948	
2019387722	<u>A01N 51 /-</u>	<u>A23C 9 /-</u>	<u>A42B 1 /-</u>	2019420384	
2019416844	2020208145	2019392275	2019384669	<u>A47L 11 /-</u>	
<u>A01K 59 /-</u>	<u>A01N 57 /-</u>	2019384669	2019372250	2019378060	
2019416844	2019392518	<u>A23J 1 /-</u>	<u>A42B 3 /-</u>	2019393894	
<u>A01K 61 /-</u>	2019393191	2019395875	2019385389	2019394781	
	2019393950	2019401576	2019392447		
2019391441	2019411887	<u>A23J 3 /-</u>	2019399322	2019396551	
	2019413054	<u>A43B 23 /-</u>	<u>A47L 13 /-</u>	<u>A61C 1 /-</u>	
<u>A01K 67 /-</u>	2019415238	2019395875	2019400523	2019374965	
	2019417394	2018453822	<u>A47L 5 /-</u>	<u>A61C 13 /-</u>	
2019374418	<u>A01N 59 /-</u>	<u>A23K 10 /-</u>	<u>A45D 44 /-</u>		
2019378844		2018448263	2019397017	2019379822	
<u>A01M 21 /-</u>	2019387099	2019384669	<u>A47L 9 /-</u>	<u>A61C 3 /-</u>	
	2019387548	2018450480	2019402149		
2019409106	<u>A01N 63 /-</u>	2019384669			
<u>A01M 7 /-</u>	2019416897	2019392447	2019379822		
		2019391441	<u>A45F 3 /-</u>		
2020222279	<u>A23K 20 /-</u>	2019362094	2019392447	<u>A61C 8 /-</u>	
2020231908	2019395919	2019418426	2019397017		
	2019401485	2018453930	2019399322	2019374965	
		<u>A46B 9 /-</u>	2019406297		
<u>A01N 25 /-</u>	<u>A01P 1 /-</u>	2019400523	<u>A61B 1 /-</u>	<u>A61F 13 /-</u>	
2019387548	2019387548	2019391441	2019383212	2019380525	
2020208145		2019416897	<u>A47B 23 /-</u>	2019387394	
<u>A01N 33 /-</u>	<u>A01P 13 /-</u>	2019412048	<u>A61B 10 /-</u>	2019398893	
		<u>A23L 19 /-</u>	2019420384	<u>A61F 2 /-</u>	
2019392518	2018454317	<u>A47C 19 /-</u>			
2019411887	2019392518	2019402999	<u>A61B 17 /-</u>	2019374743	
2019417394	2019393191	2018447341		2019385750	
	2019393950	<u>A23L 2 /-</u>	2019371413	2019391603	
	2019411887	2019397508	2019377237	2019393739	
	2019413054		2019393739	2019394776	

## PCT applications which have entered the National Phase - IPC Index cont'd

2019401735	2019405477	2019403533	2019397383	2019408928	<u>A61P 3 /-</u>
2019403607	2019405915	2019404553	2019402075	2020234820	2019370565
2020204304	2019405976	2019406210	2019411551		2019387342
<u>A61F 5 /-</u>	2019406210	2019408048	2019414934	<u>A61N 1 /-</u>	2019397260
	2019414251	2019414793	2020205029		2019401638
2019401444	2019417833	2019414934	2020208564	2019396834	2019405389
	2019449883	2020205160			2019414251
<u>A61F 7 /-</u>	2020205029		<u>A61L 11 /-</u>	<u>A61N 5 /-</u>	2019414251
	2020207089	<u>A61K 45 /-</u>	2019387548	2019378060	2020207089
2019380525	2020208564				<u>A61P 31 /-</u>
	2020231261	2019381750	<u>A61L 15 /-</u>	<u>A61P 1 /-</u>	
<u>A61F 9 /-</u>	<u>A61K 33 /-</u>	2019386779			2019394176
		2019395093			2019402998
2019380525	2019382893	2019400978	2019375963	2019376907	2019403533
	2019385694	2019402151	2019380525	2019387212	2019411551
<u>A61G 13 /-</u>	2019386779	<u>A61K 47 /-</u>	<u>A61L 2 /-</u>	2019402075	<u>A61P 35 /-</u>
	2019388795	2019370565	2019392844	2019417315	
2019394781	2019402075	2019374703	2019401735	2020207089	2018453128
<u>A61G 9 /-</u>	<u>A61K 35 /-</u>	2019387342	2019403607	2020231261	2019373702
2019386366		2019389005	<u>A61L 27 /-</u>	<u>A61P 11 /-</u>	2019384733
<u>A61J 7 /-</u>	2019374898	2019391114			2019385370
	2019382893	2019394855	2019382262	2019381750	2019385373
	2019385694	2019405389	2019393358	2019392626	2019386140
2020205079	2019386140	2019405915	2019398196	2020207089	2019386549
<u>A61K 31 /-</u>	2019386830	2019411551	2019401735		2019387497
	2019387497	2020204970	2019403607	<u>A61P 13 /-</u>	2019389168
	2019392087	2020205029			2019390863
2018453128	2019395334	2020205160	2020234820		2019391204
2019373702	2019401576			2019405477	2019392579
2019375825	2019414934	<u>A61K 48 /-</u>	<u>A61L 29 /-</u>	2020207089	2019394940
2019376630	2020234820				2019395093
2019376907		2019392087	2019404045	<u>A61P 15 /-</u>	2019395284
2019378026	<u>A61K 36 /-</u>	2019401314	<u>A61L 31 /-</u>	2019394090	2019397560
2019379808	2019401638			2020207089	2019400978
2019381750	2019394176		2019383212		2019400980
2019384733	2019397260	<u>A61K 49 /-</u>	2019398196	<u>A61P 17 /-</u>	2019401495
2019385370	2019401214				2019402151
2019385373		2019381793	<u>A61M 1 /-</u>	2019382893	2019403486
2019386779	<u>A61K 38 /-</u>	2019398467		2019385694	2019403488
2019387212		2020205160	2019394781	2020207089	2019404339
2019387338	2019387342				2019404576
2019388795	2019392626	<u>A61K 51 /-</u>	<u>A61M 11 /-</u>	<u>A61P 19 /-</u>	2019405736
2019389005	2019392903				2019405976
2019389168	2019394947	2019399674	2019400926	2019394947	2019406210
2019390863	2019395319		2019403903	2020207089	2019414793
2019391109	2019397364	<u>A61K 6 /-</u>			2019449883
2019393789	2019398113		<u>A61M 15 /-</u>	<u>A61P 21 /-</u>	2020204970
2019393818	2019398467	2019384784			2020205029
2019394090	2019401254		2019400926	2020207089	2020205160
2019394947	2019403533	<u>A61K 8 /-</u>	2019403903	<u>A61P 25 /-</u>	2020207132
2019395093	2019403856				
2019395284	2019405389	2018449035	<u>A61M 25 /-</u>		<u>A61P 37 /-</u>
2019395334	2019411551	2018455216		2019384733	
2019396450	2020204742	2019380525	2019377822	2019389168	2019386779
2019397383	2020234820	2019393137	2019385525	2019390401	2019392626
2019397560		2019394824		2019395325	2019397048
2019399939	<u>A61K 39 /-</u>	2019402083	<u>A61M 27 /-</u>	2019396450	2019399939
2019400978	2019402149			2019397260	2020207089
2019400980	2019383548	2019402854	2019385525	2019414251	
2019401495	2019385373	2019403912		2020207089	<u>A61P 39 /-</u>
2019402075	2019386549	2019414236	<u>A61M 39 /-</u>	<u>A61P 27 /-</u>	2019387338
2019402151	2019387497	2019414295			
2019402854	2019391204	2019417312	2019377213	<u>A61P 27 /-</u>	
2019402998	2019392579	2019417315		2019417315	
2019403402	2019392903	<u>A61K 9 /-</u>	<u>A61M 5 /-</u>	2019393818	<u>A61P 43 /-</u>
2019403486	2019395325			2020207089	
2019403488	2019400978	2019375206	2019377822	<u>A61P 29 /-</u>	2019390863
2019403488	2019400980	2019387338	2019396477		2019398467
2019403903	2019401214	2019400972			2019414251
2019404339	2019401576	2019387342	2019402139	2019417315	2020207089
2019404576	2019402151	2019392087	2019407156	2020207089	
		2019392626	2019407158		

## PCT applications which have entered the National Phase - IPC Index cont'd

<u>A61P 9 /-</u>	2020241029	<u>B01J 29 /-</u>	<u>B25J 11 /-</u>	<u>B30B 11 /-</u>	<u>B41M 3 /-</u>
2019389168	<u><b>B01D 3 /-</b></u>	2018449272	2019399322		2018455876
2019401254		2018449556		2019393358	<u><b>B42D 25 /-</b></u>
2019403856	2019384362	2018449735	<u><b>B25J 13 /-</b></u>	<u><b>B30B 15 /-</b></u>	
2020207089	<u><b>B01D 39 /-</b></u>	<u><b>B01J 31 /-</b></u>	2019396352	2019393358	2018455876
<u><b>A61Q 11 /-</b></u>	2019391717	2019386080	<u><b>B25J 19 /-</b></u>	<u><b>B32B 13 /-</b></u>	<u><b>B60J 5 /-</b></u>
2018455216	2019406297	<u><b>B01J 39 /-</b></u>	2019392447		2019394054
2019402083	<u><b>B01D 46 /-</b></u>	2019399674	<u><b>B25J 5 /-</b></u>	2019392310	<u><b>B60L 1 /-</b></u>
2019402854				<u><b>B32B 21 /-</b></u>	2019426894
2019403912	2019391717		<u><b>B01J 43 /-</b></u>	2019392310	<u><b>B60L 13 /-</b></u>
2019414236	2020241029		2019410547		
2019414295			<u><b>B25J 9 /-</b></u>	<u><b>B32B 27 /-</b></u>	
2019417312	<u><b>B01D 53 /-</b></u>	2019399663			
2019417315			<u><b>B01J 49 /-</b></u>	2019399406	
<u><b>A61Q 17 /-</b></u>	2018452624		2019396352	2019394916	
	2019386080		2019399322	2019405454	<u><b>B60L 7 /-</b></u>
2018449035	2019395286	2019399663			
	2019411145		<u><b>B26B 29 /-</b></u>	<u><b>B32B 33 /-</b></u>	2019399406
<u><b>A61Q 19 /-</b></u>	<u><b>B01D 61 /-</b></u>	2019398123	2019392645	2019405454	<u><b>B60N 2 /-</b></u>
2019394824	2019386558				
<u><b>A62C 3 /-</b></u>	2019409513	<u><b>B01L 9 /-</b></u>	<u><b>B26D 3 /-</b></u>	<u><b>B32B 38 /-</b></u>	2020370140
2019414946	<u><b>B01D 63 /-</b></u>	2019398123	2019409988	2019405454	<u><b>B60P 1 /-</b></u>
<u><b>A62C 31 /-</b></u>	2018448599	<u><b>B02C 1 /-</b></u>	<u><b>B26D 7 /-</b></u>	<u><b>B32B 5 /-</b></u>	2020370140
	2019386558				
2019414946	2019390413	2019399135	2019392645	2019398893	<u><b>B60S 3 /-</b></u>
<u><b>A62C 8 /-</b></u>	<u><b>B01D 65 /-</b></u>	<u><b>B03C 1 /-</b></u>	<u><b>B28B 1 /-</b></u>	<u><b>B32B 7 /-</b></u>	2020226295
2019414946	2019386558	2019421063	2019378060	2019394916	<u><b>B61C 3 /-</b></u>
<u><b>A62D 101 /-</b></u>	<u><b>B01D 69 /-</b></u>	<u><b>B06B 1 /-</b></u>	<u><b>B28B 11 /-</b></u>	2019405454	2019397569
2019398113	2019390413	2020230870	2019393358	<u><b>B33Y 10 /-</b></u>	<u><b>B61C 9 /-</b></u>
<u><b>A62D 3 /-</b></u>	<u><b>B01F 5 /-</b></u>	<u><b>B07C 5 /-</b></u>	<u><b>B28B 13 /-</b></u>	2019376412	2019397569
				2019407321	
2019398113	2019414856	2019386256	2019393358	2020208099	<u><b>B61L 15 /-</b></u>
				2020211609	
<u><b>A63B 69 /-</b></u>	<u><b>B01F 7 /-</b></u>	<u><b>B21D 22 /-</b></u>	<u><b>B28B 17 /-</b></u>	<u><b>B33Y 30 /-</b></u>	<u><b>B61L 27 /-</b></u>
2018449992	2018448732	2019396327	2019393358	2020211609	
<u><b>A63C 19 /-</b></u>	<u><b>B01J 19 /-</b></u>	<u><b>B22F 3 /-</b></u>	<u><b>B28B 3 /-</b></u>	<u><b>B33Y 70 /-</b></u>	2019407255
2018449992	2019405960	2020208099	2019393358		<u><b>B62B 1 /-</b></u>
<u><b>A63H 33 /-</b></u>	<u><b>B01J 20 /-</b></u>	<u><b>B22F 5 /-</b></u>	<u><b>B29C 45 /-</b></u>	2019385515	2019414946
2019418353	2019386080	2020208099	2019400523	<u><b>B33Y 80 /-</b></u>	
	2019395190			2019391717	<u><b>B62D 33 /-</b></u>
<u><b>B01D 1 /-</b></u>	2019411145	<u><b>B23K 103 /-</b></u>	<u><b>B29C 48 /-</b></u>	2020208099	2020370140
2019384362	2020204665	2019398742	2020341205	<u><b>B41J 2 /-</b></u>	<u><b>B62D 55 /-</b></u>
<u><b>B01D 15 /-</b></u>	<u><b>B01J 21 /-</b></u>	<u><b>B23K 26 /-</b></u>	<u><b>B29C 64 /-</b></u>	2018451612	2019395885
				2018451720	
2018448599	2019421318	2019398742	2019376412	2018451723	<u><b>B62M 3 /-</b></u>
2019395190	<u><b>B01J 23 /-</b></u>	<u><b>B23K 9 /-</b></u>	2019378060	2018452256	2019391417
2019399674	2018454447	2019420979	2020211609	2018452257	
<u><b>B01D 27 /-</b></u>	2019421318			2019391019	<u><b>B63B 22 /-</b></u>
2020241029	<u><b>B01J 27 /-</b></u>	<u><b>B23Q 1 /-</b></u>	2019376412	2019392063	2019386380
			2020211609	2019392064	
<u><b>B01D 29 /-</b></u>	2019420442	2019379822	<u><b>B29L 23 /-</b></u>	2019392181	<u><b>B63B 25 /-</b></u>
2019391717				2019392466	
				2019393692	
				2019394682	2019408431
			2020341205		

## PCT applications which have entered the National Phase - IPC Index cont'd

<u>B63B 27 /-</u>	<u>B65D 43 /-</u>	<u>B66B 23 /-</u>	2019405960	<u>C05B 17 /-</u>	<u>C07D 239 /-</u>
2019408431	2019418426	2020227162	<u>C01G 45 /-</u>	2019397602	2019402998 2019406210
<u>B63B 35 /-</u>	<u>B65D 45 /-</u>	<u>B66B 25 /-</u>	2019395190	<u>C05C 9 /-</u>	2020207391
2019408431	2019396514	2019411076 2019415997	<u>C02F 1 /-</u>	2019395908	<u>C07D 241 /-</u>
<u>B63B 49 /-</u>	<u>B65D 47 /-</u>	<u>B66B 5 /-</u>	2019382893 2019387099	<u>C05D 9 /-</u>	2019393818
2019394172	2019406290		2019395190	2019397602	<u>C07D 255 /-</u>
<u>B63C 11 /-</u>	<u>B65D 51 /-</u>	2019406965 2019410702 2019415997	2019398113 2019408388 2019414856	<u>C05G 5 /-</u>	2019381793
2019378805 2020219945	2019396514	<u>B66B 7 /-</u>	<u>C02F 101 /-</u>	2019395908	<u>C07D 265 /-</u>
<u>B63C 7 /-</u>	<u>B65D 71 /-</u>	2019409700 2020222206	2019398113	<u>C06B 23 /-</u>	2020207089
2019386380	2019399601 2019399602 2019399603	<u>B66B 9 /-</u>	<u>C02F 103 /-</u>	<u>C06B 47 /-</u>	2020207089
<u>B63C 9 /-</u>	<u>B65D 81 /-</u>	2019400693 2020222206	2019408388	2019396127	<u>C07D 279 /-</u>
2019372032	2019396514	<u>B68B 1 /-</u>	<u>C02F 11 /-</u>	<u>C07C 231 /-</u>	2020207089
<u>B63G 8 /-</u>	<u>B65F 1 /-</u>	2019414856	2019420442		
2020219945	2019375920	<u>C02F 3 /-</u>	<u>C07C 235 /-</u>		2020207089
<u>B63G 9 /-</u>	<u>B65G 1 /-</u>	<u>B68B 5 /-</u>	2019408388	2019417833	<u>C07D 307 /-</u>
2019399929	2019377648	2019375920	<u>C04B 111 /-</u>	2019420442	2019420442
<u>B64C 31 /-</u>	<u>B65G 15 /-</u>	<u>B68C 1 /-</u>	2018453878 2020231131	<u>C07C 323 /-</u>	<u>C07D 327 /-</u>
2019383565	2019377648	2019375920	<u>C04B 12 /-</u>	2019389168	2019387229
<u>B64C 39 /-</u>	2020226295	<u>B82Y 10 /-</u>	2019379427 2019379875	<u>C07C 37 /-</u>	<u>C07D 401 /-</u>
2019391315	<u>B65G 17 /-</u>	2020209451	2019379427 2019379875	2019379268	2018453128 2019393818
<u>B64D 17 /-</u>	2019377648	<u>B82Y 40 /-</u>	<u>C04B 14 /-</u>	<u>C07C 39 /-</u>	2019399939
2019383565	<u>B65G 19 /-</u>	2020209451	2019379875	2019379268	2019401495 2019403486
<u>B64F 1 /-</u>	2019433040	<u>B82Y 5 /-</u>	<u>C04B 18 /-</u>	<u>C07C 49 /-</u>	2019403488 2019404576
2019391315	<u>B65G 41 /-</u>	2019389005	2019379427 2019379875	2018450480	2020207391
<u>B65B 1 /-</u>	2020370140	<u>C01B 21 /-</u>	<u>C04B 20 /-</u>	<u>C07C 51 /-</u>	<u>C07D 403 /-</u>
2019396408	<u>B65G 43 /-</u>	2019387099	2018450480		2018453128
<u>B65B 37 /-</u>	2019433040	<u>C01B 3 /-</u>	2019379427	<u>C07C 65 /-</u>	2019393818 2019399939
2019396408	<u>B65G 47 /-</u>	2019392923 2019419320	<u>C04B 24 /-</u>	2018450480	2019405477
<u>B65D 1 /-</u>	2019377648	2020231131	<u>C07D 209 /-</u>		<u>C07D 405 /-</u>
2019396327	<u>B66B 1 /-</u>	<u>C01B 32 /-</u>	<u>C04B 28 /-</u>	2020207089	2019399939 2019401495
2019406614	2019409946	2020204665	2018453878	<u>C07D 213 /-</u>	2019403486 2019403488
<u>B65D 17 /-</u>	2019411076 2019415992	<u>C01B 37 /-</u>	2019379427 2019379875	2019391779	2019404576
2019406290	2019409946	2018449735	2019392310	<u>C07D 215 /-</u>	<u>C07D 413 /-</u>
<u>B65D 19 /-</u>	2019411076 2019415992	2020231131	<u>C07D 215 /-</u>		
2019370622	2020222206	<u>C01B 39 /-</u>	<u>C04B 35 /-</u>	2018453128 2020207089	2019393818 2019401495
<u>B65D 41 /-</u>	2018449272	2018449556	2019393358	<u>C07D 221 /-</u>	2019403486 2019403488
2019400682	2019399938 2019400693 2019409113	2018449735	<u>C04B 41 /-</u>	2019401495	2019404576 2020207089
	2019392034 2019395190	<u>C01D 15 /-</u>	2018453878		

## PCT applications which have entered the National Phase - IPC Index cont'd

<u>C07D 417 /-</u>	<u>C07K 14 /-</u>	<u>C08G 59 /-</u>	<u>C09D 4 /-</u>	<u>C12N 5 /-</u>	2019426739
2019387338	2019374418	2020254803	2019396544	2019379140	<u>C22B 7 /-</u>
2019393818	2019383548	<u>C08G 63 /-</u>	<u>C09J 189 /-</u>	2019379989	2019400942
<u>C07D 419 /-</u>	2019392277	2018449379	2020209847	2019384259	2019426739
2019403486	2019395708	2019394855	<u>C09J 197 /-</u>	2019386140	<u>C22C 29 /-</u>
<u>C07D 471 /-</u>	2019397152	<u>C08H 1 /-</u>	2019393838	2019386830	2019401314
2019398113	2019398441	2020209847	<u>C09J 197 /-</u>	2019392087	<u>C22C 29 /-</u>
2019373702	2019401638	<u>C08H 8 /-</u>	2019393838	2019394940	2019414240
2019384733	2019405389	<u>C07K 16 /-</u>	2020230870	<u>C12N 7 /-</u>	2020208099
2019390863		2019393838	<u>C09K 19 /-</u>	2019408048	<u>C22C 38 /-</u>
2020207089					
2020356793					
<u>C07D 487 /-</u>	2019383548	<u>C08J 5 /-</u>	2019398276	<u>C12N 9 /-</u>	2019398742
2019384259					
2019386549	2019391204	2019393838	<u>C09K 5 /-</u>	2019386140	<u>C23C 14 /-</u>
2019375825	2019392579	2019405454		2019397364	2020209451
2019384733	2019394940	<u>C08J 9 /-</u>	2019407595	2019398441	<u>C25B 1 /-</u>
2019390863	2019395325	2020254803	<u>C10G 7 /-</u>	2020242303	
	2019397152				
2019401495	2019400978	<u>C08K 3 /-</u>	2019384362	<u>C12P 13 /-</u>	2019386085
2019403486	2019400980			2019379989	2019419320
	2019402151				
<u>C07D 498 /-</u>	2019404553	2019405454	<u>C10G 9 /-</u>	<u>C12P 19 /-</u>	<u>C25B 15 /-</u>
2019405736					
2020207089	2019406210	<u>C08L 101 /-</u>	2019384362	2019409513	2019386085
	2019414793				2019419320
<u>C07D 519 /-</u>	2020207132	2019393838	<u>C10L 3 /-</u>	<u>C12P 5 /-</u>	<u>C25B 3 /-</u>
2019384733	<u>C07K 19 /-</u>	<u>C08L 23 /-</u>	2019386558	2019379794	2019386085
2020207089	2019397152	2019405454	<u>C11D 3 /-</u>	2019380668	
<u>C07F 5 /-</u>	<u>C07K 5 /-</u>	<u>C08L 3 /-</u>	2020242303	<u>C12Q 1 /-</u>	<u>C25B 5 /-</u>
2019379808	2018448263	2019393838	<u>C12G 3 /-</u>	2018452059	2019419320
<u>C07F 9 /-</u>	2019401254	<u>C08L 5 /-</u>	2019375072	2019370860	<u>C25B 9 /-</u>
2019403856				2019374898	
2019389168	<u>C07K 7 /-</u>	2019393838	<u>C12H 1 /-</u>	2019379160	2019386085
2019420442				2019384816	
<u>C07G 1 /-</u>	2019395708	<u>C08L 63 /-</u>	2019375072	2019389005	<u>C25C 3 /-</u>
	2019398113			2019391602	
2019393838	2019398467	2020254803	<u>C12M 3 /-</u>	2019392939	2019407845
				2019394810	
<u>C07H 1 /-</u>	<u>C07K 9 /-</u>	<u>C08L 67 /-</u>	2019379140	2019397427	<u>C40B 40 /-</u>
				2019398322	
2019409513	2019398467	2019393838	<u>C12N 1 /-</u>	2019401934	2019417581
		2019394855		2019402999	
<u>C07H 17 /-</u>	<u>C08F 2 /-</u>	<u>C08L 89 /-</u>	2019389307	2019404445	<u>D06F 103 /-</u>
			2019393898	2019417581	2019394072
2019403402	2020204665	2020209847	2019401485	<u>C22B 1 /-</u>	<u>D06F 105 /-</u>
<u>C07H 21 /-</u>	<u>C08F 220 /-</u>	<u>C08L 97 /-</u>	<u>C12N 15 /-</u>	2019392034	2019394072
2019378026	2019399663	2019393838	2019376663	2019400942	
2019397247			2019378026	2019426739	<u>D06F 33 /-</u>
2019404556	<u>C08F 222 /-</u>	<u>C09B 11 /-</u>	2019379160	<u>C22B 11 /-</u>	2019394072
2019417581			2019386140		
<u>C07H 3 /-</u>	2019399663	2019404556	2019388975	2019426739	<u>D06F 39 /-</u>
			2019391114		
2019409513	<u>C08F 4 /-</u>	<u>C09D 129 /-</u>	2019392277	<u>C22B 26 /-</u>	2019394072
			2019396450		
<u>C07K 1 /-</u>	2020204665	2018449035	2019397152	2019392034	<u>E01B 25 /-</u>
	<u>C08G 12 /-</u>	<u>C09D 133 /-</u>	2019397247	2019400942	
2018448599			2019397364		2019399406
2019395708	2019399663	2019396544	2019401314	<u>C22B 3 /-</u>	
			2019401638	2019392034	<u>E01F 15 /-</u>
			2019404556	2019400942	2019393082

## PCT applications which have entered the National Phase - IPC Index cont'd

<u>E02B 17 /-</u>	<u>E04G 5 /-</u>	<u>F03D 9 /-</u>	<u>F16L 55 /-</u>	<u>F24S 25 /-</u>	<u>G01C 21 /-</u>
2019408431	2019388458	2019409710 2020211588	2019398032	2019391601 2019397167	2019383776
<u>E02B 3 /-</u>	<u>E04H 15 /-</u>	<u>F04B 17 /-</u>	<u>F16L 57 /-</u>	<u>F24V 30 /-</u>	<u>G01F 23 /-</u>
2019366475	2019362094	2019409710	2019398032	2019397742	2019375020 2019391019 2019392466
<u>E02D 29 /-</u>	<u>E04H 4 /-</u>	<u>F04B 23 /-</u>	<u>F16L 58 /-</u>	<u>F25B 49 /-</u>	<u>G01K 1 /-</u>
2019376493	2018449992	2019417453	2019398032	2019431661	2019431661
<u>E02F 9 /-</u>	<u>E05B 47 /-</u>	<u>F04B 39 /-</u>	<u>F16M 11 /-</u>	<u>F25C 1 /-</u>	<u>G01L 7 /-</u>
2019396352 2019406813 2020370140	2019376002	2019431661	2019412048	2019378525	2019391606
<u>E03C 1 /-</u>	<u>E05F 15 /-</u>	<u>F04B 43 /-</u>	<u>F16M 13 /-</u>	<u>F25D 11 /-</u>	<u>G01M 3 /-</u>
2019394054 2019407082 2020219303	2019417453	2019412048	2019378525 2019421490	2019375020 2019391606	2019375020
<u>E03D 11 /-</u>	<u>E06B 3 /-</u>	<u>F04B 53 /-</u>	<u>F21V 14 /-</u>	<u>F25D 23 /-</u>	<u>G01N 21 /-</u>
2020219303	2019383714	<u>F04C 18 /-</u>	<u>F21V 17 /-</u>	<u>F25D 29 /-</u>	2019391316
<u>E04B 1 /-</u>	<u>E06B 5 /-</u>	2019398673	2019412750 2019414854	2019378525	2019398322 2019417318
2019407321 2019409986	2019383714	<u>F04D 25 /-</u>	2019412501 2019412750 2019414854	2019421490 2019421618 2019431661	<u>G01N 27 /-</u>
<u>E04B 2 /-</u>	<u>E21B 10 /-</u>	2019414946	<u>F21V 19 /-</u>	<u>F28C 1 /-</u>	2019387394
2019407321	2018452022	<u>F04D 27 /-</u>	2019412501	2019391633	<u>G01N 3 /-</u>
<u>E04B 9 /-</u>	<u>E21B 25 /-</u>	2019412262	<u>F21V 5 /-</u>	<u>F28D 20 /-</u>	2019449031
2019409986	2018452022	<u>F16H 7 /-</u>	2019412501	2019397742	<u>G01N 30 /-</u>
<u>E04B 9 /-</u>	<u>E21B 34 /-</u>	2019421063	2019412750 2019414854	<u>F28D 9 /-</u>	2018448599
<u>E04C 5 /-</u>	2019391606 2019407321	<u>F16K 1 /-</u>	<u>F21W 131 /-</u>	2019389180	<u>G01N 33 /-</u>
2019407321	2019429182	2019395041	2019412750 2019414854	<u>F28F 25 /-</u>	2019370565
<u>E04D 13 /-</u>	<u>E21B 36 /-</u>	2019394008	2019395041	2019370860	2019374898
2020327346	2019394008	<u>F16K 31 /-</u>	<u>F21Y 105 /-</u>	2019391633	2019377274
<u>E04D 5 /-</u>	<u>E21B 43 /-</u>	2019395041	<u>F21Y 105 /-</u>	<u>F28F 3 /-</u>	2019380299
2018452542	2019386558	<u>F16K 37 /-</u>	2019412501	2019387229	2019384259
2019394008	2019394008	2019395041	2019412750	2019389180	2019392939
<u>E04F 13 /-</u>	2019398716	<u>F16L 1 /-</u>	2019414854	<u>F41H 5 /-</u>	2019397427
2020384152	<u>E21B 47 /-</u>	2019398032	<u>F21Y 115 /-</u>	2019383714	2019398322
<u>E04F 15 /-</u>	2019391606	<u>F16L 101 /-</u>	2019412501	<u>F42D 1 /-</u>	2019402075
2019392310	<u>E21B 49 /-</u>	2019398032	2019412750 2019414854	2020216554	2019404556
<u>E04G 11 /-</u>	2019391606	<u>F16L 11 /-</u>	<u>F23G 5 /-</u>	2020289835	<u>G01N 35 /-</u>
2019400693 2019409113	<u>F03B 3 /-</u>	2019394008	2019395403	2020289836	2019378143
2019427381	2019427381	<u>F16L 11 /-</u>	2019412501	2020289840	2019398123
<u>E04G 21 /-</u>	<u>F03D 1 /-</u>	<u>F16L 15 /-</u>	2019412262	2020289842	-
2019388458	2019427381	2020247986	<u>F24F 110 /-</u>	2020209354	2019401573
<u>E04G 25 /-</u>	<u>F03D 13 /-</u>	<u>F16L 33 /-</u>	2019412262	<u>G01C 11 /-</u>	<u>G01R 21 /-</u>
2019388458	2019408431	2020383290	<u>F24S 23 /-</u>	2018449839	2019401573
<u>E04G 3 /-</u>	2019388458	<u>F16L 53 /-</u>	2019391601	2018450016	<u>G01T 1 /-</u>
		2019394008		2018450426	2019399674
					2020249184

## PCT applications which have entered the National Phase - IPC Index cont'd

<u>G01V 1 /-</u>	2018451720 2018452256 2018452257	2019397240 2019413433	<u>G06Q 90 /-</u>	<u>G10L 25 /-</u>	<u>H01Q 1 /-</u>
2019386380	2019391019	<u>G06K 15 /-</u>	2019398024	2019374400	2019407255 2020384152
<u>G02B 21 /-</u>	2019392181 2019392466	2018451720 2018452256	<u>G06T 17 /-</u>	<u>G16B 20 /-</u>	<u>H01Q 21 /-</u>
2019417318	2019394682	2018452257	2019392844	2019370860 2019404445	2019407255
<u>G02B 26 /-</u>	<u>G06F 15 /-</u>	2019392064	<u>G06T 19 /-</u>	<u>G16B 30 /-</u>	<u>H01R 13 /-</u>
2019423361	2019413433 2020209656	<u>G06K 19 /-</u>	2019380266 2019383776	2019404445	2019398165
<u>G02B 27 /-</u>	<u>G06F 16 /-</u>	<u>G06K 9 /-</u>	2019384515	<u>G16B 40 /-</u>	<u>H01R 24 /-</u>
2019378805 2019391316 2019423361 2020204304	2019379711 2019399660 2019405137 2019409983	2019372300 2019383776 2020218504	<u>G06T 5 /-</u>	2019404445	2019398165
<u>G02B 5 /-</u>	<u>G06F 17 /-</u>	<u>G06N 10 /-</u>	2019374820	<u>G16H 20 /-</u>	<u>H02G 1 /-</u>
2019391316 2019396566 2020204304	2018450271 2020249184	2020209451 <u>G06N 20 /-</u>	<u>G07C 9 /-</u>	2019402149 2020205079	2020216283
<u>G02B 6 /-</u>	<u>G06F 21 /-</u>	2019397068 2019398024	2019407082 2019407243	<u>G16H 40 /-</u>	<u>H02G 15 /-</u>
2019394773	2018448130 2018451612	<u>G06N 5 /-</u>	2019383035	2019397068	<u>H02H 7 /-</u>
<u>G02B 7 /-</u>	2018452256 2018452257	2019397068	<u>G07D 11 /-</u>	<u>G16H 50 /-</u>	2018452655
2020204304	2019379092 2019389007	2019389007	<u>G07F 7 /-</u>	2019387464 2019392939	<u>H02J 3 /-</u>
<u>G02C 13 /-</u>	2019391019	<u>G06Q 10 /-</u>	2020240098	2019398314 2020211108	2018452655 2020278531
2019398640	2019392181 2019392466	2019374775 2019379111	<u>G08B 15 /-</u>	<u>G21G 1 /-</u>	<u>H02M 1 /-</u>
<u>G02C 7 /-</u>	2019396553	2019389244 2019396665	2019402034 2019404267	2019399674	2019385920
2019391316 2019396566 2019398640 2020204304	<u>G06F 3 /-</u>	2019404304 2020264281 2020264285	<u>G08B 21 /-</u>	<u>H01B 7 /-</u>	<u>H02S 20 /-</u>
2019383776	2018448950	2019380266	2019375020	2019394773	2019397167
<u>G03B 17 /-</u>	2019384515 2019393692	2019374899 2019383035	<u>G08B 29 /-</u>	<u>H01F 13 /-</u>	<u>H03F 1 /-</u>
2019371158	2019394172	2019395371	2019402034	2019399929	2018449223
<u>G05B 19 /-</u>	2019401994	2019404304	<u>G08C 17 /-</u>	<u>H01L 27 /-</u>	<u>H03F 3 /-</u>
2019396352	2020209656	2020230451	<u>G08G 5 /-</u>	2020209451	2018449223
<u>G05D 1 /-</u>	2020343932	2020240098	2019426894	<u>H01L 39 /-</u>	<u>H03L 1 /-</u>
2018450490 2019391315 2019399322	<u>G06F 30 /-</u>	<u>G06Q 30 /-</u>	2019383776	2020209451	2019401556
2019392466	2019409983	2019404304	<u>G08G 5 /-</u>	<u>H01M 10 /-</u>	<u>H03L 7 /-</u>
<u>G06F 1 /-</u>	2019409983	2019413433 2020209656	2018450592 2019391315	2019395884 2019400942 2019405960	2019401556
<u>G06F 11 /-</u>	<u>G06F 7 /-</u>	<u>G06Q 40 /-</u>	<u>G10L 17 /-</u>	<u>H01M 12 /-</u>	2019403878
2019392466 2019397240	2019385515 2019404304	2019377866 2019404304	<u>G10L 19 /-</u>	2019419320	<u>H04B 5 /-</u>
<u>G06F 12 /-</u>	<u>G06F 8 /-</u>	<u>G06Q 50 /-</u>	2019374400	<u>H01M 4 /-</u>	2019376002
2018451720	2019379092	2019379111	<u>G10L 21 /-</u>	2019395884	<u>H04B 7 /-</u>
<u>G06F 13 /-</u>	<u>G06F 9 /-</u>	2019383776 2019398024	2019409071	<u>H01M 8 /-</u>	2019407255 2019431484
2018451612	2018448950 2019375392	2019399660 2020209656		2019416115	

**PCT applications which have entered the National Phase - IPC Index cont'd****H04L 12 /-****H04W 72 /-**

2018451720                    2018454465  
2019374785                    2019371949  
2019392389                    2019372674  
2019393045  
2019393436  
2019393437  
2019396431                    2019437093  
2019411787                    2019446194

**H04W 8 /-**

**H04L 29 /-**

2018451720                    2018450592  
2018453104                    2019394853  
2019395371  
2019413433                    **H05H 6 /-**

**H04L 9 /-**

2019399674

2019374899  
2019389007  
2019396431

**H04N 19 /-**

2019381454  
2019386917  
2019392557  
2019397944  
2019401170  
2019433376

**H04N 21 /-**

2018453582  
2019383350  
2019383776  
2019401994  
2020213954

**H04N 7 /-**

2020213954

**H04R 1 /-**

2019403878  
2020230870

**H04R 17 /-**

2020230870

**H04W 24 /-**

2019394853  
2019413741

**H04W 4 /-**

2019372674  
2019400926

**H04W 40 /-**

2019394853  
2019396431

**H04W 52 /-**

2018454465

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(71) 1-800 Contacts, Inc.  
 (11) AU-B-2018385433

(21) 2018385433 (22) 07.12.2018  
 (54) Digital visual acuity eye examination for remote physician assessment

(51) Int. Cl.  
*A61B 3/028* (2006.01)  
*A61B 3/00* (2006.01)  
*G06T 7/70* (2017.01)  
*G10L 15/22* (2006.01)  
*G10L 15/26* (2006.01)  
*G10L 25/60* (2013.01)  
*H04R 1/02* (2006.01)

(87) WO2019/118293  
 (31) 15/838,029 (32) 11.12.17 (33) US  
 (43) 20.06.2019  
 (44) 24.06.2021  
 (72) JENSEN, Brent; RACICOT, Tighe; ALLEN, Chad; STROMBERG, Scott; HURST, Dustin; LUJAN, Rico  
 (74) Spruson & Ferguson

(71) 3M Innovative Properties Company  
 (11) AU-B-2016357216  
 (21) 2016357216 (22) 01.11.2016  
 (54) Ambulatory therapy system incorporating activity and environmental sensing capability  
 (51) Int. Cl.  
*A61M 1/00* (2006.01)  
*A61B 5/11* (2006.01)  
 (87) WO2017/087157  
 (31) 62/256,391 (32) 17.11.15 (33) US  
 (43) 26.05.2017  
 (44) 24.06.2021  
 (72) Locke, Christopher Brian; Luckemeyer, James A.  
 (74) Shelston IP Pty Ltd.

(71) 3M Innovative Properties Company  
 (11) AU-B-2018326830  
 (21) 2018326830 (22) 30.08.2018  
 (54) Cold-drawn polyolefin copolymer cord for earplug  
 (51) Int. Cl.  
*H01B 7/04* (2006.01)  
*H04R 1/10* (2006.01)  
 (87) WO2019/043625  
 (31) 62/553,639 (32) 01.09.17 (33) US  
 (43) 07.03.2019  
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*G01S 7/00* (2006.01)  
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*C12N 15/55* (2006.01)  
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**A61P 25/16** (2006.01 )  
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**C07D 401/14** (2006.01 )  
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**A61P 27/02** (2006.01 )  
**C07D 401/10** (2006.01 )  
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**C07C 67/30** (2006.01 )  
**C07D 307/44** (2006.01 )

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**B29C 51/10** (2006.01 )  
**B29C 41/00** (2006.01 )  
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G01N 33/49 (2006.01)

A61B 5/00 (2006.01)

G01N 21/64 (2006.01)

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(51) Int. Cl.

G16C 99/00 (2019.01)

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(51) Int. Cl.

C12N 5/0793 (2010.01)

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(51) Int. Cl.

F25B 49/02 (2006.01)

F24F 1/26 (2011.01)

F24F 11/00 (2006.01)

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F26B 3/12 (2006.01)

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G01N 1/20 (2006.01)

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G06K 19/077 (2006.01)

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A61B 5/00 ( 2006.01 )  
G01N 33/48 ( 2006.01 )  
G01N 33/49 ( 2006.01 )  
G01N 33/564 ( 2006.01 )  
G06F 7/06 ( 2006.01 )  
G06Q 50/00 ( 2006.01 )  
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**A61K 31/4035** (2006.01)  
**A61K 31/4155** (2006.01)  
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**A61P 35/00** (2006.01)  
**C07D 405/06** (2006.01)  
**C07D 409/14** (2006.01)  
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 (51) Int. Cl.  
**C12N 5/071** (2010.01)  
**A61K 35/30** (2015.01)  
**A61L 27/38** (2006.01)  
**A61P 27/02** (2006.01)  
**C12N 5/10** (2006.01)  
**A61K 35/545** (2015.01)  
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**B60P 3/34** (2006.01)  
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- (51) Int. Cl.  
*G16H 10/00* (2018.01)  
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*H01M 8/04007* (2016.01)  
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*H01M 8/04701* (2016.01)  
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- (71) Wing Aviation LLC  
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- (51) Int. Cl.  
*G05D 1/02* (2006.01)  
*G05B 23/02* (2006.01)
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## Applications Accepted - Name Index cont'd

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 (11) AU-B-2020250315  
 (21) 2020250315 (22) 09.10.2020  
 (54) Minimally invasive guides and cutting instruments  
 (51) Int. Cl.  
**A61B 17/15** (2006.01)  
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 (72) WONG, Kian-Ming; THOREN, Brian Robert; MCGINLEY, Shawn  
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**Xuzhou Goldfluid Hydraulic Technology Development Co.,Ltd. see China University of Mining and Technology**  
 (21) 2019369210

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(71) YSI, Inc.  
 (11) AU-B-2017229220  
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 (54) Optical nitrate sensor for multiparameter water quality measurement  
 (51) Int. Cl.  
**G01J 1/10** (2006.01)  
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**G01N 21/31** (2006.01)  
**G01N 21/64** (2006.01)  
**G01N 33/18** (2006.01)  
**G06G 7/24** (2006.01)  
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 (11) AU-B-2015320230  
 (21) 2015320230 (22) 06.09.2015  
 (54) Uses of neuregulin in preventing, treating or delaying ventricular arrhythmia, and composition thereof  
 (51) Int. Cl.  
**A61K 38/17** (2006.01)  
**A61P 9/06** (2006.01)  
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 (74) FB Rice Pty Ltd

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 (21) 2015376558 (22) 06.01.2015  
 (54) Anti-VEGF antibody

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**C07K 16/22** (2006.01)  
**A61K 39/395** (2006.01)  
**A61P 27/02** (2006.01)  
**A61P 35/00** (2006.01)  
**C12N 5/10** (2006.01)  
**C12N 15/13** (2006.01)  
**C12N 15/63** (2006.01)  
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 (74) Shelston IP Pty Ltd.

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 (11) AU-B-2016331086  
 (21) 2016331086 (22) 30.09.2016  
 (54) Patient-specific instrumentation for patellar resurfacing surgery and method  
 (51) Int. Cl.  
**A61F 2/30** (2006.01)  
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 (74) Phillips Ormonde Fitzpatrick

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(71) ZTE Corporation  
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 (21) 2018295221 (22) 12.06.2018  
 (54) Design method and apparatus for quasi-cyclic low-density parity-check  
 (51) Int. Cl.  
**H04L 1/00** (2006.01)  
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 (43) 03.01.2019  
 (44) 24.06.2021  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

## Numerical Index

2015229387	Indiana University Research and Technology Corporation	2016276965	DJT Investments, LLC.
2015233383	Lexogen GmbH	2016277469	Chr. Hansen Natural Colors A/S; Danmarks Tekniske Universitet; Københavns Universitet
2015247779	Illumina, Inc.	2016277644	Cobalt Extreme Pty Ltd
2015282876	University of Copenhagen	2016280858	Estetra SPRL
2015283815	Commonwealth Scientific and Industrial Research Organisation	2016281723	The Regents of the University of California
2015317298	Watt Fuel Cell Corp.	2016281771	Render, S.
2015320230	Zensun (Shanghai) Science & Technology Co., Ltd.	2016284706	Fresenius Medical Care Holdings, Inc.
2015329938	PGS Geophysical AS	2016287454	Courtin, K.
2015330775	Seattle Children's Hospital (dba Seattle Children's Research Institute)	2016287460	IMEC vzw
2015332740	Nunhems B.V.	2016288213	Magic Leap, Inc.
2015332742	Nunhems B.V.	2016290360	Electrolux Appliances Aktiebolag
2015340605	BioGaia AB	2016292776	Fresenius Medical Care Holdings, Inc.
2015341922	Novozymes A/S	2016294343	View, Inc.
2015342908	PharmaEssentia Corporation	2016297289	Mintek
2015342964	Genentech, Inc.	2016297691	Hydrexia Pty Ltd
2015343718	La Vit Technology LLC	2016298712	ASSA ABLOY New Zealand Limited
2015346350	The United States of America, as Represented by The Secretary, Department of Health and Human Services	2016302371	Equifax Inc.
2015352385	Universitat Autonoma de Barcelona	2016309356	Eisai R&D Management Co., Ltd.
2015358294	Lifecycle Technologies Pty Ltd	2016310502	GE Oil & Gas, Inc.
2015367301	BHP Billiton Olympic Dam Corporation Pty Ltd	2016311131	Protina Pharmazeutische Gesellschaft mbH
2015367787	VitalFluid B.V.	2016315110	ETH Zurich
2015368254	Kuraray Co., Ltd.	2016315632	Bayer HealthCare LLC
2015371254	Principia Biopharma Inc.	2016322039	Shaw-Almex Industries Ltd.
2015373036	Kuraray Kuraflex Co., Ltd.	2016322694	UEA Enterprises Limited; Cambridge Enterprise Limited
2015373111	Cell Cure Neurosciences Ltd.	2016323049	Whoop, Inc.
2015375390	Ardelyx, Inc.	2016323600	Treace Medical Concepts, Inc.
2015376558	Zhuhai Essex Bio-Pharmaceutical Co., Ltd.	2016323617	Merit Medical Systems, Inc.; Abiomed, Inc.
2015377304	Dutch Terahertz Inspection Services B.V	2016325720	Procyron, Inc.
2015381840	Ishida Co., Ltd.	2016328262	Hilti Aktiengesellschaft
2015400338	Kimberly-Clark Worldwide, Inc.	2016328358	Hilti Aktiengesellschaft
2015402506	Joy Global Underground Mining LLC	2016331086	Zimmer, Inc.
2015408286	Smith & Nephew, Inc.	2016340023	Flex-G Pty Ltd
2015411341	Universidad Politecnica de Madrid; Alise Devices, S.L.	2016340167	AbbVie Inc.
2015413334	Halliburton Energy Services, Inc.	2016340522	Tokuyama Dental Corporation
2015413693	GEA Process Engineering A/S	2016340897	Terumo Medical Corporation
2016201491	Fujitsu General Limited	2016341547	Caffitaly System S.p.A.
2016201780	Workright Edge Protection Systems Pty Ltd	2016344720	Tesmec S.p.A.
2016203644	Palo Alto Research Center Incorporated	2016349649	Reinheart GmbH
2016203646	dormakaba Deutschland GmbH	2016352431	CMI Defence S.A.
2016203773	Bradken Resources Pty Limited	2016352874	Children's Research Institute, Children's National Medical Center
2016208972	Saluda Medical Pty Ltd	2016355108	Venator Materials UK Limited
2016211165	Sutro Biopharma, Inc.	2016355261	The LoveSac Company
2016215058	Board of Regents, The University of Texas System	2016356537	Cabin Air Group B.V.
2016219505	Hans Tech, LLC	2016356858	Chiesi Farmaceutici S.p.A.
2016220572	Bungy New Zealand Limited	2016357216	3M Innovative Properties Company
2016224125	Gekko Systems Pty Ltd	2016359686	Caterpillar Inc.
2016233557	Bristol-Myers Squibb Company	2016360828	Heidelberg Pharma Research GmbH
2016238349	Utilis Israel Ltd	2016361922	Neurescue ApS
2016238448	Stora Enso Oyj	2016366680	The Board of Trustees of the University of Illinois
2016239689	Ceva Sante Animale	2016369409	Faneco, S.
2016242900	PepsiCo, Inc.	2016372613	Commissariat a l'energie Atomique et aux Energies Alternatives
2016243789	Drilltech Services (Asia) Pte Ltd	2016381523	Clean Resources PTE. LTD.
2016249375	Viscofan Collagen USA Inc.	2016388932	Thai Union Group Public Company Limited
2016252619	University of Washington	2016411853	Dow Global Technologies LLC; Rohm And Haas Company
2016257910	The Brigham and Women's Hospital, Inc.	2016432358	Patriot Campers Holdings Pty Ltd
2016260431	Crown Packaging Technology, Inc.	2017200035	The Boeing Company
2016262117	The Commonwealth of Australia	2017200151	The Boeing Company
2016262747	Kewley, D.; Kewley, D.	2017200815	Russo, W.
2016269267	Licentia Group Limited; MyPinPad Limited	2017201055	AG GROWTH INTERNATIONAL
2016269722	De Staat der Nederlanden, vert. door de minister van VWS, Ministerie van Volksgezondheid, Welzijn en Sport	2017201531	SarTec Corporation
2016274518	RAI Strategic Holdings, Inc.	2017203414	Vorwerk & Co. Interholding GmbH
2016274683	Indigo AG, Inc.	2017205170	Celgene Corporation
2016275699	IHF Food A/S; SFK Leblanc A/S	2017205320	Tabomedex Biosciences, Inc.
		2017207420	Bostik, Inc.

## Applications Accepted - Numerical Index cont'd

2017207823	Arr-Maz Products, L.P.	2018244573	Apple Inc.
2017210140	Biogen MA Inc.	2018250811	The Gillette Company LLC
2017211960	Iveco Magirus AG	2018250840	F. Hoffmann-La Roche AG
2017218148	Incube Labs, LLC	2018251685	The Gillette Company LLC
2017218906	Marine Canada Acquisition Inc.	2018257226	Advanced New Technologies Co., Ltd.
2017221083	Sanofi	2018265070	Medizinische Universität Graz
2017225018	Adobe Inc.	2018267632	Mallinckrodt Hospital Products IP Limited
2017225676	Kimberly-Clark Worldwide, Inc.	2018272234	National University Corporation Yokohama National University; De Nora Permelec Ltd
2017226267	Gilead Apollo, LLC	2018275214	Instrumentation Laboratory Company
2017226830	Grünenthal GmbH	2018276231	Inventio AG
2017229220	YSI, Inc.	2018279678	WANG, Z.
2017230806	Arthrex, Inc.	2018282265	Illinois Tool Works Inc.
2017233909	Construction Research & Technology GmbH	2018284249	Shih, C.; National Health Research Institutes
2017246327	Advance DX, Inc.	2018285681	ConMed Corporation
2017247134	Qualcomm Incorporated	2018285708	RTC Industries, Inc.
2017250025	British Columbia Cancer Agency Branch; The University of British Columbia	2018287827	Reef Arabia For Marine Wealth Co. Wll
2017252163	Qualcomm Incorporated	2018295221	ZTE Corporation
2017259275	The Scripps Research Institute	2018298925	Fillon Technologies
2017259872	Bayer Pharma Aktiengesellschaft	2018300174	Biomet Sports Medicine, LLC
2017262727	Dennert Poraver GmbH	2018307218	Purple Innovation, LLC
2017269331	Bardex Corporation	2018313839	Equinix, Inc.
2017269953	Alphabet Communications, Inc.	2018317258	Nantong CIMC-Special Transportation Equipment Manufacture Co., Ltd.; China International Marine Containers (Group) Ltd.; CIMC Containers Holding Company Ltd.
2017271524	Sarepta Therapeutics, Inc.	2018318793	Changzhou Fuxing Electrical Appliance Co., Ltd.
2017275297	Suntory Holdings Limited	2018321096	Agfa NV
2017276830	Aerial Technologies Inc.	2018323983	Waymo LLC
2017286217	Institut National De La Santé Et De La Recherche Médicale (Inserm); Centre National De La Recherche Scientifique (CNRS); Universite Paris Sud; Assistance Publique - Hopitaux De Paris (APHP); Hopital Marie Lannelongue	2018326830	3M Innovative Properties Company
2017286289	DePuy Synthes Products, Inc.	2018331512	Boston Scientific Neuromodulation Corporation; Onanon Inc.
2017286673	Adverum Biotechnologies, Inc.	2018335455	Konecranes Global Corporation
2017294640	UWB X Ltd	2018335854	Novadip Biosciences
2017295717	The Regents of the University of California	2018336017	UMC Utrecht Holding B.V.
2017295752	Puratos NV	2018342203	Illumina, Inc.; Illumina Cambridge Limited
2017299083	F. Hoffmann-La Roche AG	2018350039	Hitachi, Ltd.
2017301884	Simon Fraser University	2018352520	W. L. Gore & Associates, Inc.
2017311542	Repligen Corporation	2018353837	Intuit Inc.
2017313065	Fujifilm Cellular Dynamics Inc.	2018360224	Huawei Technologies Co., Ltd.
2017321289	Allegiance Corporation	2018363250	G.C. Technology
2017321797	Eriez Manufacturing Co.	2018364658	J-Lok Co.
2017336692	Fater S.p.A.	2018365791	Greenened U.S. Holdings II, LLC
2017341088	NSC Therapeutics GmbH	2018366770	Huawei Technologies Co., Ltd.
2017363313	Dana-Farber Cancer Institute, Inc.	2018368222	Huawei Technologies Co., Ltd.
2017371421	Haldor Topsøe A/S	2018372734	Hefei Hualing Co., Ltd.; Hefei Midea Refrigerator Co., Ltd.; Midea Group Co., Ltd.
2017380282	Orion Corporation	2018373751	JENOPTIK Robot GmbH
2017383475	Guangdong Qizhi Biotechnology Co., Ltd	2018374994	Omnicell, Inc.
2017393059	Osaka University	2018376020	Huawei Technologies Co., Ltd.
2017397003	Telefonaktiebolaget LM Ericsson (publ)	2018380357	Kobelco Construction Machinery Co., Ltd.
2017409871	Genelec Oy	2018381245	Ecolab USA Inc.
2017417130	Telefonaktiebolaget LM Ericsson (publ)	2018382678	Konecranes Global Corporation
2017422167	Liu, Q.	2018383590	Eli Lilly And Company
2017425150	Epiroc Drilling Tools AB	2018385433	1-800 Contacts, Inc.
2017430988	De Nora Permelec Ltd	2018389114	W. L. Gore & Associates, Inc.
2017432256	Bumil Industrial Co., Ltd.	2018390463	Colgate-Palmolive Company
2017440239	Hill's Pet Nutrition, Inc.	2018390708	Nitto Kohki Co., Ltd.
2017440654	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2018393937	Colgate-Palmolive Company
2017441072	Colgate-Palmolive Company	2018395084	Innovent Biologics (Suzhou) Co., Ltd.
2017442694	Colgate-Palmolive Company	2018401946	Siemens Aktiengesellschaft
2017443225	Colgate-Palmolive Company	2018406114	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.
2018220445	Song, S.	2018411768	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2018230678	Raytheon Company	2018420992	Ranpak Corp.
2018230973	Veripath, Inc.	2019200094	Regeneron Pharmaceuticals, Inc.
2018233079	F. Hoffmann-La Roche AG	2019200805	Evogene Ltd.
2018233576	The University of Melbourne	2019200824	Phaim Pharma Ltd
2018234074	Numares AG	2019201624	Tyr Tactical, LLC
2018236901	Sun Pharmaceutical Industries Australia Limited; The University of York	2019202160	Regeneron Pharmaceuticals, Inc.
2018237895	Telefonaktiebolaget LM Ericsson (publ)	2019202517	Stryker Corporation
2018242788	Daikin Industries, Ltd.		

## Applications Accepted - Numerical Index cont'd

2019202527	Bioniz, LLC	2019309604	S. C. Johnson & Son, Inc.
2019202565	Patriot Campers Holdings Pty Ltd	2019321688	Steve Feeney Consulting, LLC
2019202707	Evogene Ltd.	2019330630	Intuit Inc.
2019202718	Venturi, M.	2019356038	ASCO Coiltechnik GmbH
2019202840	The Brigham and Women's Hospital, Inc.	2019369210	China University of Mining and Technology; Xuzhou Goldfluid Hydraulic Technology Development Co.,Ltd.
2019203186	Janssen Pharmaceutica NV	2019369240	Apple Inc.
2019203284	Accenture Global Solutions Limited	2019422007	Dark Reign Industries Pty Ltd
2019203881	Cordynamix, Inc.	2020200011	LG Electronics Inc.
2019204076	Series International, LLC	2020200014	Howmedica Osteonics Corp.
2019204196	RUNWAY INNOVATIONS LIMITED	2020200139	Protechna S.A.
2019204352	Forced Physics LLC	2020200518	Canon Kabushiki Kaisha
2019204577	Regeneron Pharmaceuticals, Inc.	2020200591	Weatherford Technology Holdings, LLC
2019204585	LG ELECTRONICS INC.	2020200670	Davis, T.; Nemir, D.
2019204758	BackBeat Medical, LLC	2020201096	Huawei Technologies Co., Ltd.
2019205813	Vivonics, Inc.	2020201149	Google LLC
2019208210	Lippert Components, Inc	2020201183	Greyrock Technology, LLC
2019209199	Illumina, Inc.	2020201211	Apple Inc.
2019210495	Polaris Industries Inc.	2020201293	Board of Regents, the University of Texas System; Soliton, Inc.
2019210610	Brown, D.	2020201379	NTT DOCOMO, INC.
2019213188	Nicoventures Trading Limited	2020201554	QINGDAO UNIVERSITY OF TECHNOLOGY
2019213408	Snap-on Incorporated	2020201660	Amazon Technologies, Inc.
2019213867	Komatsu Ltd.	2020201874	Chembio Diagnostic Systems, Inc.
2019214163	Nanjing Iaso Biotherapeutics Co., Ltd.; Innovent Biologics (Suzhou) Co., Ltd.	2020201895	Huawei Technologies Co., Ltd.
2019217416	Boston Scientific Neuromodulation Corporation	2020202291	NuVasive, Inc.
2019219832	W. L. Gore & Associates, Inc.	2020202496	Air Products and Chemicals, Inc.
2019220150	Grundfos Holding A/S	2020202670	Johnson & Johnson GmbH
2019220327	Supergrid Institute; Universite D'evry Val D'essonne	2020202814	Seventh Sense Biosystems, Inc.
2019221632	Dover Fueling Solutions UK Limited	2020202961	University of Massachusetts
2019222860	Radio Systems Corporation	2020203026	RAYTHEON COMPANY
2019226164	Free Form Factory Inc.	2020203583	AVERY DENNISON CORPORATION
2019226201	Virginia Polytechnic Institute and State University	2020203799	RUSSIER, D.; RUSSIER, J.
2019226242	Slurry Solutions Inc.	2020203927	The Johns Hopkins University
2019226247	Allied Healthcare Products, Inc.	2020204259	Apple Inc.
2019229361	SOUTHERN INNOVATION INTERNATIONAL PTY LTD	2020204363	Samsung Electronics Co., Ltd.
2019229775	Etme: Peppas Kai Synergates E.E.	2020204465	Seapa IP Pty Ltd
2019232839	BAE Systems plc	2020223717	SUBSTRATE HD
2019232899	Tata Consulting Limited	2020223752	Apple Inc.
2019236713	NeuroVasc Technologies Inc.	2020226397	Equashield Medical Ltd.
2019236717	TOMRA Sorting GmbH	2020230346	GI Scientific, LLC
2019238219	Nippon Telegraph and Telephone Corporation	2020250315	Wright Medical Technology, Inc.
2019238344	NeoChord, Inc.	2020267180	Gurtech (Pty) Ltd
2019239397	Terumo Kabushiki Kaisha	2020267259	University of Pittsburgh - Of the Commonwealth System of Higher Education
2019241874	Intuit Inc.	2020291391	Soletluna Holdings, Inc.
2019246095	Komatsu Ltd.	2020327347	Citrix Systems, Inc.
2019246800	SharkNinja Operating LLC	2020327350	Qingdao University of Technology
2019246852	DEKA Products Limited Partnership	2020343999	Nantong University
2019250004	BOE Technology Group Co., Ltd.; Chengdu BOE Opto-electronics Technology Co., Ltd.	2021200822	Digilog Technologies Pty Ltd
2019250183	W & H Dentalwerk Buermoos GmbH		
2019250222	Cala Health, Inc.		
2019252450	Giesecke+Devrient Mobile Security GmbH		
2019257292	Wing Aviation LLC		
2019257473	MODULATED IMAGING, INC.		
2019257515	OilQuick Deutschland KG		
2019259866	Atlas Elektronik GmbH		
2019261698	Thermo Fisher Scientific (Bremen) GmbH		
2019261752	University of Tennessee Research Foundation; GTx, Inc.		
2019263344	Jun, B.		
2019264534	Snap-on Incorporated		
2019264601	Ionis Pharmaceuticals, Inc.; AstraZeneca AB		
2019268202	Fisher & Paykel Healthcare Limited		
2019271627	Samsung Electronics Co., Ltd.		
2019272058	State Grid Hunan Electric Power Company Limited; State Grid Hunan Electric Company Limited Disaster Prevention and Reduction Center; State Grid Corporation of China		
2019275521	Navico Holding AS		
2019275607	Global Blood Therapeutics, Inc.; The Regents of the University of California		
2019284156	Hanwha Corporation		

## IPC Index

<u>A01C 1 /-</u>	<u>A23K 20 /-</u>	<u>A47C 7 /-</u>	2020201293 2020202961	<u>A61K 31 /-</u>	2019200824
2016274683	2015341922 2017201531 2017440239	2019204076 <u>A47F 1 /-</u>	2020230346 2020250315	2015340605 <u>A61B 18 /-</u>	<u>A61K 47 /-</u> 2015283815 2015375390
<u>A01D 57 /-</u>	<u>A23K 50 /-</u>	2018285708	2018285681	2015375390 <u>A61B 18 /-</u>	2016280858 2016309356
2017201055	2017201531 2017440239	<u>A47J 27 /-</u>	2020291391	2016239689 <u>A61B 3 /-</u>	2015375390 2016356858
<u>A01G 9 /-</u>	2017203414	2018285433	2016311131 <u>A61B 34 /-</u>	2016352874 2016356858	<u>A61K 48 /-</u> 2016257910 2017286673
2019204585	<u>A23L 13 /-</u>	2017432256	<u>A47J 31 /-</u>	2017205170 <u>A61B 34 /-</u>	2019264601
2015332740	<u>A23L 17 /-</u>	2015343718	<u>A47J 31 /-</u>	2017205320	<u>A61K 6 /-</u>
2015332742	2016341547	2016361922	<u>A61B 34 /-</u>	2017221083 2017226267	2016340522
<u>A01H 1 /-</u>	2016388932	2019250183	2017226830 <u>A61B 5 /-</u>	2017250025	<u>A61K 8 /-</u>
2015332740	<u>A24F 47 /-</u>	2017203414	<u>A47J 36 /-</u>	2017259872	2016311131
2015332742	2016274518	2015358294	<u>A61B 5 /-</u>	2017299083	2017441072
2019200805	2019213188	<u>A47J 43 /-</u>	2016284706	2017341088 2017363313	2017442694
<u>A01K 61 /-</u>	<u>A44C 5 /-</u>	2016323049	2017380282	2017422167	2017443225
2018287827	2020291391	2016357216	2017422167	2018233576	2018233576
2020204465	<u>A45F 3 /-</u>	2016361922	2018233079	<u>A61K 9 /-</u>	
<u>A01N 35 /-</u>	2015400338	2017218148	2018284249		
2019275607	2019201624	<u>A47K 5 /-</u>	2019203186		
<u>A01N 63 /-</u>	<u>A46B 15 /-</u>	2020202814	2019261752		
2016274683	2018393937	2020223717	2019264601		
<u>A21D 13 /-</u>	<u>A46B 5 /-</u>	202023799	2019275607		
2017295752	2018250811	<u>A47K 7 /-</u>	2020203927		
	2018251685	<u>A61B 6 /-</u>	2020267259		
<u>A21D 2 /-</u>	<u>A46B 9 /-</u>	2019250183	<u>A61K 33 /-</u>		
2017295752	2018250811	<u>A47L 13 /-</u>	2016311131		
	2018251685	2016215058	2018233576		
<u>A21D 8 /-</u>	2019246800	2016315110	<u>A61K 35 /-</u>		
2018393937	<u>A47L 5 /-</u>	<u>A61F 13 /-</u>	2017336692		
2017295752	<u>A47C 1 /-</u>	2019246800	2015340605		
	2018250811	2015373036	<u>A61L 17 /-</u>		
<u>A22B 5 /-</u>	2018251685	2015408286	2015373111		
2018393937	<u>A47L 9 /-</u>	2017225676	2016269722		
2017295752	<u>A47C 1 /-</u>	2019246800	2018389114		
	2018250811	2020202670	<u>A61L 2 /-</u>		
<u>A22C 13 /-</u>	2018251685	2017393059	2017336692		
2016249375	2018393937	2020267259	2020203799		
<u>A22C 17 /-</u>	<u>A47C 17 /-</u>	2020202814	<u>A61L 9 /-</u>		
2016275699	2016355261	<u>A61B 17 /-</u>	2019202527		
	2019204076	<u>A47C 27 /-</u>	2019214163		
<u>A23J 1 /-</u>	2018307218	2016323600	2020267259		
2016249375	2016340897	2016340897	2020343999		
<u>A23J 3 /-</u>	2016361922	2016361922	2015408286		
2016249375	<u>A47C 3 /-</u>	2018285681	2016325720		
	2018300174	2018300174	2016357216		
<u>A23K 10 /-</u>	2019204076	2018352520	2018267632		
2017201531	<u>A47C 5 /-</u>	2018389114	2019202718		
	2019203881	2019202517	<u>A61M 16 /-</u>		
	2019204076	2019236713	2018336017		
		2019238344	2018395084		
		2020200014	2019204577		
			<u>A61K 45 /-</u>		
			2019205813		
			2019268202		
			2017259275		

## Applications Accepted - IPC Index cont'd

<u>A61M 19 /-</u>	<u>A61P 27 /-</u>	2019272058	<u>B05B 1 /-</u>	<u>B29C 41 /-</u>	<u>B60W 50 /-</u>
2019205813	2015373111	<u><b>A63B 5 /-</b></u>	2019309604	2019226164	2018323983
	2015376558				
<u>A61M 35 /-</u>	2017286673	2016220572	<u><b>B05B 15 /-</b></u>	<u><b>B29C 51 /-</b></u>	<u><b>B62D 23 /-</b></u>
	2017393059				
2015373111	2018233079	<u><b>A63G 31 /-</b></u>	2019309604	2019226164	2019210495
<u>A61M 39 /-</u>	<u><b>A61P 29 /-</b></u>	2016220572	<u><b>B05D 5 /-</b></u>	<u><b>B29C 55 /-</b></u>	<u><b>B62D 25 /-</b></u>
2016323617	2017205320	<u><b>B01D 15 /-</b></u>	2018285681	2016249375	2019210495
2017210140	2019203186	2016233557		<u><b>B29C 71 /-</b></u>	<u><b>B62D 33 /-</b></u>
2017321289	2020203927		<u><b>B07C 5 /-</b></u>		
2020226997					
<u>A61M 5 /-</u>	<u><b>A61P 3 /-</b></u>	<u><b>B01D 19 /-</b></u>	2019236717	2016249375	2019202565
		2019221632	2020327350	<u><b>B31D 5 /-</b></u>	2019210495
2016315632	2016311131	<u><b>B01D 35 /-</b></u>	<u><b>B09B 3 /-</b></u>	2018420992	<u><b>B62M 9 /-</b></u>
2016361922	2017205320				2016369409
2017210140	2017226267	2017432256	2017336692	<u><b>B32B 29 /-</b></u>	<u><b>B63B 21 /-</b></u>
2018383590					
2019239397	<u><b>A61P 31 /-</b></u>	<u><b>B01D 46 /-</b></u>	<u><b>B21C 47 /-</b></u>	2016238448	2017269331
2019246852					
2020226997	2017301884	2015413693	2019356038	<u><b>B41M 5 /-</b></u>	<u><b>B63B 22 /-</b></u>
<u>A61M 60 /-</u>	<u><b>A61P 35 /-</b></u>	<u><b>B01D 53 /-</b></u>	<u><b>B22D 11 /-</b></u>	2016238448	
2016349649	2015376558	2019226247	2016219505	2016260431	2019229775
<u>A61N 1 /-</u>	2016211165	2019321688	<u><b>B22D 21 /-</b></u>	<u><b>B44F 9 /-</b></u>	<u><b>B63B 35 /-</b></u>
	2016309356				
2016208972	2016340167	<u><b>B01F 11 /-</b></u>	2016297691	2018321096	2019229775
2017218148	2017205320	2018275214		<u><b>B60C 29 /-</b></u>	<u><b>B63H 20 /-</b></u>
2018331512	2017221083		<u><b>B23B 27 /-</b></u>	2020267180	2017218906
2019204758	2017250025	<u><b>B01F 15 /-</b></u>	2016328262		
2019217416	2017363313		2020200139	<u><b>B60H 1 /-</b></u>	<u><b>B63H 21 /-</b></u>
2019250222	2017380282				
	2017422167				
	2018395084				
<u>A61N 2 /-</u>	2019214163	<u><b>B01F 3 /-</b></u>	<u><b>B23P 9 /-</b></u>	2017211960	2017218906
					2019275521
2018363250	<u><b>A61P 37 /-</b></u>	2017321797	2016328262	<u><b>B60J 1 /-</b></u>	<u><b>B63H 23 /-</b></u>
			2016328358		
<u>A61N 5 /-</u>	2019200824	<u><b>B01F 7 /-</b></u>		2016262747	
	2019203186		<u><b>B23Q 11 /-</b></u>		2019275521
2016372613	2018298925				
2020291391	<u><b>A61P 43 /-</b></u>	2020200139	2016328358	<u><b>B60L 9 /-</b></u>	<u><b>B63H 25 /-</b></u>
<u>A61N 7 /-</u>	2016311131	<u><b>B01J 19 /-</b></u>		2018350039	2017218906
			<u><b>B25B 23 /-</b></u>		
2020201293	<u><b>A61P 5 /-</b></u>	2016381523	2019213408	<u><b>B60M 1 /-</b></u>	<u><b>B64C 21 /-</b></u>
<u>A61P 1 /-</u>	2019200824	<u><b>B01J 21 /-</b></u>	<u><b>B25G 1 /-</b></u>	2016344720	2017200151
2015340605	<u><b>A61P 9 /-</b></u>	2016355108	2018381245	<u><b>B60N 3 /-</b></u>	<u><b>B64C 3 /-</b></u>
2018233576					
<u>A61P 11 /-</u>	2015320230	<u><b>B01J 35 /-</b></u>	<u><b>B25J 13 /-</b></u>		2017200151
	2016252619	2016355108	2020201554	<u><b>B60P 3 /-</b></u>	<u><b>B64C 39 /-</b></u>
2017286217	2017259872				
	2020203927	<u><b>B01J 47 /-</b></u>	<u><b>B25J 19 /-</b></u>	2016432358	2017200035
<u>A61P 13 /-</u>	<u><b>A61Q 11 /-</b></u>	2017371421	2020201554	2019202565	
				2019208210	
2017259872	2017441072	<u><b>B01L 3 /-</b></u>	<u><b>B25J 9 /-</b></u>	2019210495	<u><b>B64F 1 /-</b></u>
<u>A61P 21 /-</u>	2018233576				
2016252619	<u><b>A61Q 15 /-</b></u>	2017230806	2020201554	2019202565	<u><b>B65D 1 /-</b></u>
		2018342203			
<u>A61P 25 /-</u>	2017443225	<u><b>B01L 9 /-</b></u>	<u><b>B29B 17 /-</b></u>	<u><b>B60W 30 /-</b></u>	2017275297
2017226830	<u><b>A61Q 5 /-</b></u>	2018342203	2017336692	2018323983	<u><b>B65D 17 /-</b></u>
2017299083	2017442694	<u><b>B03D 1 /-</b></u>	<u><b>B29C 35 /-</b></u>	<u><b>B60W 40 /-</b></u>	2016260431
2017341088					
2020203927	<u><b>A62D 1 /-</b></u>	2017321797	2016249375	2018323983	<u><b>B65D 35 /-</b></u>

## Applications Accepted - IPC Index cont'd

2016287454	<u>B65D 43 /-</u>	<u>B67D 7 /-</u>	<u>C07C 227 /-</u>	<u>C07D 333 /-</u>	<u>C07F 13 /-</u>	<u>C08G 63 /-</u>
			2016360828	2018250840	2018250840	2017275297
2020203799	<u>B65D 5 /-</u>	<u>B81B 1 /-</u>	<u>C07C 229 /-</u>	<u>C07D 335 /-</u>	<u>C07F 15 /-</u>	<u>C08L 23 /-</u>
			2016360828	2018250840	2018250840	2017207420
2018420992	<u>B65D 81 /-</u>	<u>B82Y 10 /-</u>	<u>C07C 27 /-</u>	<u>C07D 401 /-</u>	<u>C07F 9 /-</u>	<u>C09D 11 /-</u>
			2020201183	2017205170	2017271524	2018321096
2016287454	<u>B82Y 40 /-</u>		<u>C07C 29 /-</u>	2017221083		<u>C09D 5 /-</u>
2018390463				2017363313	<u>C07H 21 /-</u>	2016355108
2018420992			2018250840	2018233079	2015330775	2017233909
<u>B65D 83 /-</u>		<u>C01B 17 /-</u>	<u>C07C 311 /-</u>	<u>C07D 403 /-</u>	2016257910	<u>C09J 123 /-</u>
2019309604		2015282876	2017250025	2017221083	<u>C07K 1 /-</u>	2017207420
<u>B65D 90 /-</u>		<u>C01B 32 /-</u>	<u>C07C 317 /-</u>	2018233079	2016233557	<u>C09J 153 /-</u>
2018317258			2017250025	<u>C07D 405 /-</u>	2016360828	
<u>B65G 15 /-</u>		<u>C01C 3 /-</u>	<u>C07C 43 /-</u>	2017221083	<u>C07K 14 /-</u>	<u>C09K 11 /-</u>
2016322039			2017250025	2017380282	2015346350	
<u>B65G 17 /-</u>		<u>C01D 5 /-</u>	<u>C07C 45 /-</u>	2018233079	2016269722	2016322694
2016276965			2020267259	<u>C07D 409 /-</u>	2017311542	<u>C10L 1 /-</u>
2017201055					2020203583	
<u>B65G 41 /-</u>		<u>C02F 1 /-</u>	<u>C07C 47 /-</u>	2017311542		
2017371421			2018233079			
2016276965						
2016203644						
<u>B65G 41 /-</u>		<u>C07C 65 /-</u>	2017221083	<u>C07K 16 /-</u>	2016340023	
2016297289			2017363313			
2020200670			2017380282			
2017201055						
<u>B65G 47 /-</u>		<u>C02F 101 /-</u>	<u>C07C 67 /-</u>			
2016297289			<u>C07D 417 /-</u>			
2017201055			2018250840			
<u>B66B 7 /-</u>		<u>C02F 103 /-</u>	<u>C07C 69 /-</u>			
2016297289			2017205170			
<u>B66C 11 /-</u>			<u>C07D 207 /-</u>			
2016297289			2017221083			
2018276231		<u>C03B 19 /-</u>	<u>C07D 451 /-</u>			
<u>B66C 11 /-</u>			2018233079			
2017262727						
2018335455		<u>C04B 111 /-</u>	<u>C07D 231 /-</u>			
<u>B66C 13 /-</u>						
2017233909			<u>C07D 471 /-</u>			
2018382678		<u>C04B 41 /-</u>	<u>C07D 233 /-</u>			
<u>B66C 23 /-</u>			2017221083			
2017233909			2019203186			
2018380357			2020203927			
<u>B66C 9 /-</u>		<u>C05G 1 /-</u>	<u>C07D 487 /-</u>			
2017207823			2017250025			
2018335455		<u>C05G 3 /-</u>	2017301884	<u>C07D 235 /-</u>		
<u>B66D 3 /-</u>				2016340167		
2017207823				2017205320		
2018335455				2017299083	<u>C08F 220 /-</u>	
<u>B66F 19 /-</u>		<u>C07B 53 /-</u>	<u>C07D 295 /-</u>			
2018250840			2017250025	<u>C07D 495 /-</u>	2016411853	
2018282265		<u>C07C 1 /-</u>	2017341088		2020203583	
<u>B67D 1 /-</u>						
2020201183			2018250840	<u>C07D 513 /-</u>		
2017432256				2017341088		
				<u>C07D 307 /-</u>	2020203583	
				2017341088		
				<u>C07D 509 /-</u>		
				2018250840		
				<u>C07F 1 /-</u>		
				2016322694		

## Applications Accepted - IPC Index cont'd

2019214163	2016328358	<u>E04G 21 /-</u>	<u>E21D 20 /-</u>	2016369409	<u>F28F 9 /-</u>
<u>C12N 5 /-</u>	<u>C25B 1 /-</u>		2017425150	<u>F16J 15 /-</u>	2018242788
2015229387	2017430988	2016201780	2018364658	2016359686	<u>F41A 9 /-</u>
2015376558		2018282265		2020202496	
2017313065	<u>C25B 11 /-</u>	<u>E04G 3 /-</u>	2017425150	<u>F16K 15 /-</u>	2016352431
2017393059			2018364658		<u>F42D 1 /-</u>
2018335854	2018272234	2018276231		2020267180	
2019214163	<u>C25B 9 /-</u>	<u>E04H 15 /-</u>	<u>F03B 13 /-</u>		2019284156
<u>C12N 7 /-</u>	2017430988	2016432358	2019220327	<u>F16M 11 /-</u>	<u>G01G 19 /-</u>
2017259275	2018272234	2019202565		2019232839	2015381840
<u>C12N 9 /-</u>	<u>C40B 60 /-</u>	2019263344	<u>F03B 15 /-</u>	<u>F21K 9 /-</u>	<u>G01J 1 /-</u>
2015247779	2020201874	<u>E05B 15 /-</u>	2019220327	2018318793	2017229220
2015341922		2018220445	<u>F03D 7 /-</u>		
2018236901	<u>D04H 1 /-</u>	<u>E05B 17 /-</u>	2018406114	<u>F21V 17 /-</u>	<u>G01J 5 /-</u>
2019202160					
2020343999	2015368254	2018220445	<u>F04B 23 /-</u>	2018318793	2016242900
<u>C12P 17 /-</u>	2015373036	2015400338		<u>F21W 111 /-</u>	<u>G01L 3 /-</u>
		<u>E05F 1 /-</u>	2016325720		
2016277469	<u>D06B 1 /-</u>	2016298712	<u>F04B 39 /-</u>	2019204196	2019213408
<u>C12P 19 /-</u>	2015400338	<u>E05F 15 /-</u>	2018390708	<u>F24F 1 /-</u>	<u>G01N 1 /-</u>
2015330775	<u>D06F 39 /-</u>	2016203646	2020202496	2016201491	2016224125
<u>C12P 21 /-</u>	2020200011	<u>E05F 3 /-</u>	<u>F04B 49 /-</u>	<u>F24F 11 /-</u>	<u>G01N 21 /-</u>
2015342964	<u>D07B 1 /-</u>	2016203646	2019220150	2016201491	2015377304
<u>C12P 7 /-</u>	2016356537	<u>E05F 5 /-</u>	<u>F04D 13 /-</u>	<u>F24S 20 /-</u>	2016215058
2016277469	<u>D21H 17 /-</u>	2016298712	2016325720	2016281723	2016229220
2017383475	2016238448	201620150	2019220150	<u>F24S 90 /-</u>	2019236717
<u>C12Q 1 /-</u>	<u>D21H 19 /-</u>	<u>E06B 9 /-</u>	<u>F04D 15 /-</u>	2016201491	2020201874
2015233383	2016238448	2016262747	2019220150	<u>F25B 39 /-</u>	2015352385
2015332740		<u>E21B 17 /-</u>	<u>F04D 29 /-</u>	2018242788	<u>G01N 33 /-</u>
2015332742	<u>E02D 5 /-</u>	2016243789	2016325720		
2016257910		2016277644		<u>F25B 49 /-</u>	2015352385
2017295717	2017425150	2019226242	<u>F04D 3 /-</u>	2016201491	2015358294
<u>C12R 1 /-</u>	<u>E02F 3 /-</u>	2016325720			2016215058
2017383475	<u>E21B 19 /-</u>	2016203773	<u>F25D 11 /-</u>	2016284706	
<u>C22B 15 /-</u>	2019213867	2020200591	<u>F16B 2 /-</u>	2018372734	2017229220
	2019257515				2018234074
2015367301	<u>E02F 9 /-</u>	<u>E21B 23 /-</u>	2020204465	<u>F25D 17 /-</u>	2018265070
<u>C22B 3 /-</u>	2016203773	2015413334	<u>F16C 33 /-</u>	2018372734	2019200824
2015367301	2019213867	<u>E21B 33 /-</u>	2016359686	<u>F25D 23 /-</u>	2019236717
	2019246095	2015413334			2019257473
<u>C22B 60 /-</u>	<u>E04B 1 /-</u>	2019226242	<u>F16G 11 /-</u>	2018372734	2020201874
2015367301	2018282265	2016356537		<u>G01N 35 /-</u>	
<u>C22B 9 /-</u>	<u>E04C 5 /-</u>	2018382678	<u>F25J 1 /-</u>	2018342203	
2016219505	2016281771	2020204465			
<u>C22C 23 /-</u>	<u>E04F 21 /-</u>	<u>F16G 3 /-</u>	2016310502	<u>G01P 13 /-</u>	
2016297691	2017200815	2015402506			
<u>C23C 4 /-</u>	<u>E04G 1 /-</u>	2016322039	<u>F26B 3 /-</u>	2017321797	
2016328262	2018276231	<u>E21C 25 /-</u>	2015413693	<u>G01R 33 /-</u>	
		2018275214	<u>F16H 25 /-</u>	2017321797	
		2019369210	<u>F28D 20 /-</u>		
			<u>F16H 37 /-</u>	<u>G01S 13 /-</u>	
				2017211960	
				2018373751	

## Applications Accepted - IPC Index cont'd

<u>G01S 17 /-</u>	2019226201	<u>G06T 7 /-</u>	2020200670	<u>H04B 13 /-</u>	<u>H04W 24 /-</u>
2016238349		<u>G06F 21 /-</u>		<u>H01J 49 /-</u>	2019259866
		2018385433			2018376020
<u>G01S 7 /-</u>	2016262117	2020203026	2019261698	<u>H04B 7 /-</u>	2019222860
2016269267					<u>H04W 4 /-</u>
2018373751	2018257226	<u>G07D 7 /-</u>	<u>H01L 27 /-</u>	2017417130	2019369240
2019229775	2019203284	2015411341	2019250004	<u>H04L 1 /-</u>	<u>H04W 48 /-</u>
<u>G01T 1 /-</u>	<u>G06F 3 /-</u>	<u>G07F 7 /-</u>	<u>H01L 29 /-</u>	2018237895	
2019229361	2016262117	2016269267	2015282876	2018295221	2017397003
	2017225018		2018230678	<u>H04L 12 /-</u>	2017440654
<u>G01V 3 /-</u>	2018244573	<u>G08B 13 /-</u>	<u>H01L 39 /-</u>	2017269953	<u>H04W 56 /-</u>
2018365791				2018376020	2018368222
2015329938	2020201096	2017276830	2015282876	2019241874	<u>H04W 72 /-</u>
	2020201149			2019330630	
<u>G01V 9 /-</u>	2020204259	<u>G08C 23 /-</u>	<u>H01L 51 /-</u>	<u>H04L 25 /-</u>	2017252163
2020223752				2017269953	2017440654
2016238349	2020327347	2019259866	2016322694	2018237895	2018366770
<u>G02B 21 /-</u>	<u>G06F 7 /-</u>	<u>G08G 1 /-</u>	<u>H01M 10 /-</u>	<u>H04L 27 /-</u>	2018411768
2019209199	2015358294	2018373751	2016203644	2017252163	<u>H04W 74 /-</u>
<u>G02F 1 /-</u>	<u>G06F 9 /-</u>	<u>G08G 5 /-</u>	<u>H01M 4 /-</u>		
2016294343	2018360224	2017200035	2016297691	<u>H04L 29 /-</u>	2017440654
2019250004	2020201660				
<u>G03B 17 /-</u>	<u>G06G 7 /-</u>	<u>G09C 1 /-</u>	<u>H01M 8 /-</u>	2018230973	<u>H04W 76 /-</u>
2019232839	2017229220	2019238219	2015317298	2018365791	2017397003
<u>G03G 21 /-</u>	<u>G06K 19 /-</u>	<u>G10L 15 /-</u>	<u>H01Q 1 /-</u>	2019241874	<u>H05B 6 /-</u>
2020200518	2015413334	2018385433	2020204363	2019271627	
	2019252450			2019330630	
<u>G05B 19 /-</u>	<u>G06K 9 /-</u>	2019422007	<u>H01R 13 /-</u>	<u>H04L 5 /-</u>	2016290360
2017203414	2015377304		2019264534	2017247134	2017432256
2018374994	2016238349	<u>G10L 25 /-</u>	<u>H01R 25 /-</u>	2017252163	<u>H05H 1 /-</u>
2020201554		2018385433		2018237895	2015367787
<u>G05B 23 /-</u>	<u>G06N 20 /-</u>	<u>G16C 99 /-</u>	<u>H02J 1 /-</u>	<u>H04L 9 /-</u>	
2019257292	2020203026				
<u>G05D 1 /-</u>	<u>G06N 3 /-</u>	<u>G16H 10 /-</u>	2018401946	<u>H04M 1 /-</u>	
2017200035	2019232899				
2017218906	2020203026	2019250183	<u>H02J 13 /-</u>	2018360224	
2018323983			2019250183	2019422007	
2019246095	<u>G06Q 10 /-</u>	<u>G16H 50 /-</u>	2018313839		
2019257292	2020204259		<u>H02J 3 /-</u>	2020201379	
2020201554		2019250183			
<u>G05F 1 /-</u>	<u>G06Q 50 /-</u>	<u>H01B 7 /-</u>	2018313839	<u>H04N 7 /-</u>	
2021200822	2015358294	2018326830	2021200822		
	2016302371			2019232839	
<u>G06F 1 /-</u>	2020204259	<u>H01F 19 /-</u>	2018401946	<u>H04R 1 /-</u>	
2018244573	<u>G06T 11 /-</u>	2017294640	<u>H02S 10 /-</u>	2017409871	
2018313839	2016315110	<u>H01F 21 /-</u>	2021200822	2018326830	
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2020201211	<u>G06T 15 /-</u>	2017294640	<u>H03K 5 /-</u>	<u>H04W 12 /-</u>	
<u>G06F 15 /-</u>	2016288213	<u>H01F 27 /-</u>	2019229361	2018230973	
2018365791	<u>G06T 19 /-</u>	2017294640	<u>H04B 11 /-</u>	<u>H04W 16 /-</u>	
<u>G06F 17 /-</u>	2017225018	<u>H01G 9 /-</u>	2019259866	2020201895	
	2020201554				

**Certified Innovation Patents****Name Index**

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

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(71) QIAN, Y.  
(11) AU-B-2020101083  
(21) 2020101083 (22) 23.06.2020  
(54) A LUMINESCENT DISPLAY  
(51) Int. Cl.  
    *G09F 13/20* (2006.01)  
    *F21L 4/08* (2006.01)  
    *F21S 9/03* (2006.01)  
    *G09F 13/00* (2006.01)  
    *G09F 13/04* (2006.01)  
    *H02J 7/00* (2006.01)  
    *H02J 7/35* (2006.01)  
(31) 2019902219 (32) 25.06.19 (33) AU  
(45) 24.06.2021  
(72) QIAN, YUANDE  
(74) Griffith Hack

Numerical Index

2020101083 QIAN, Y.

**IPC Index**

**F21L 4 /-**

2020101083

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**G09F 13 /-**

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**H02J 7 /-**

2020101083

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2014202293	2014274650	2014306416	2014361730
2014377537	2015202099	2015203457	2015203683
2015215750	2015216875	2015218416	2015230748
2015231804	2015253309	2015254257	2015254558
2015255223	2015256075	2015257334	2015259877
2015260725	2015267045	2015276237	2015276978
2015277218	2015277924	2015280275	2015281781
2015283805	2015284263	2015288918	2015288957
2015289642	2015300778	2015301640	2015302015
2015306198	2015308818	2015310965	2015314685
2015317447	2015318537	2015323328	2015323334
2015325055	2015326506	2015330241	2015330905
2015331621	2015332168	2015332218	2015333544
2015334717	2015345309	2015345401	2015352482
2015353747	2015353823	2015357551	2015360386
2015363042	2015365650	2015365719	2015366578
2015370651	2015370672	2015371705	2015371732
2015372420	2015376292	2015394633	2015400181
2015400346	2015402332	2015403299	2015406253
2015412754	2015412776	2015414534	2016201774
2016203448	2016209247	2016214083	2016214968
2016215179	2016215195	2016215268	2016219862
2016220252	2016225962	2016226151	2016229398
2016231483	2016232703	2016232839	2016238832
2016239875	2016244187	2016244394	2016245868
2016245959	2016246751	2016246860	2016247024
2016250030	2016250296	2016250580	2016254520
2016257724	2016257777	2016258976	2016259243
2016260529	2016261635	2016262985	2016264985
2016268045	2016268514	2016269728	2016270692
2016270941	2016270984	2016272732	2016274664
2016274897	2016275073	2016275127	2016275311
2016275327	2016277583	2016277923	2016278051
2016280283	2016282767	2016284168	2016284490
2016287754	2016290334	2016291641	2016293309
2016293619	2016295158	2016295764	2016297153
2016297513	2016303021	2016303585	2016303907
2016304696	2016305294	2016305968	2016306213
2016306446	2016307064	2016308553	2016308613
2016314170	2016315720	2016317828	2016318340
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2016323977	2016324370	2016324974	2016326347
2016333789	2016336133	2016336343	2016337309
2016337416	2016338265	2016338648	2016341409
2016343674	2016343920	2016346016	2016346210
2016347044	2016348493	2016353474	2016354522
2016354661	2016356726	2016361823	2016364705
2016365214	2016365938	2016366306	2016367094
2016367642	2016379971	2016381977	2016383497
2016383531	2016391050	2016409478	2016427305
2016428048	2017200211	2017200496	2017204231
2017205183	2017205628	2017205978	2017207510
2017212658	2017217560	2017218791	2017220380
2017220617	2017223698	2017225932	2017231817
2017232394	2017232927	2017233132	2017235382
2017235618	2017238206	2017244135	2017246452
2017248180	2017249265	2017252251	2017255912
2017258934	2017266811	2017267184	2017269256
2017269763	2017270485	2017275112	2017280298
2017280412	2017286368	2017292997	2017294643
2017297285	2017299685	2017305413	2017306706
2017313828	2017323898	2017331802	2017338197
2017344752	2017359915	2017364644	2017366410
2017367187	2017369018	2017372587	2017374721
2017376544	2017382440	2017384613	2017385599
2017387765	2017408164	2017416327	2017418990
2017420421	2017420948	2017429631	2017430855

## Patents Granted

## Standard Patents

2017433305	2017440072	2018207501	2018208844
2018210524	2018212003	2018212531	2018212559
2018212756	2018213539	2018218542	2018219550
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2018227813	2018228986	2018229690	2018233403
2018241897	2018248695	2018256423	2018260961
2018260971	2018261914	2018262843	2018262866
2018263095	2018266106	2018271054	2018274871
2018274985	2018275009	2018276888	2018278999
2018282431	2018285148	2018285198	2018286221
2018286304	2018287147	2018288489	2018288720
2018290776	2018293753	2018296306	2018297035
2018297757	2018298060	2018300577	2018301994
2018302611	2018306114	2018311553	2018311661
2018313976	2018314059	2018319544	2018319545
2018327983	2018330542	2018330633	2018333356
2018336913	2018347535	2018353931	2018359016
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2018370396	2018371807	2018371966	2018372452
2018372453	2018375185	2018376026	2018376758
2018378746	2018385554	2018386132	2018386361
2018392212	2018394147	2018406326	2018413695
2018421568	2018423506	2019200020	2019200330
2019200356	2019200526	2019200537	2019200545
2019200586	2019200628	2019200690	2019200764
2019200891	2019200941	2019201031	2019201075
2019201358	2019201481	2019201565	2019201593
2019201882	2019201950	2019201951	2019202396
2019202449	2019202618	2019202679	2019202689
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2019204992	2019206018	2019206067	2019206390
2019207254	2019208270	2019210635	2019210645
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2019216085	2019216602	2019216650	2019216677
2019216717	2019222834	2019222844	2019222937
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2019251514	2019252670	2019253897	2019257359
2019257368	2019257524	2019261677	2019261689
2019264648	2019268077	2019268207	2019269391
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2019280034	2019280041	2019280050	2019283800
2019285660	2019291869	2019333948	2020200116
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2020200509	2020200917	2020201037	2020201141
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2020260429	2020277286		

Innovation Patents

2019101790	2019101797	2019101800	2019101801
2020104425	2021101315	2021101369	2021101477
2021101511	2021101592	2021101667	2021101671
2021101687	2021101701	2021101737	2021101746
2021101748	2021102001	2021102023	2021102034
2021102045	2021102055	2021102102	2021102129
2021102133	2021102182	2021102193	2021102228
2021102280	2021102281	2021102288	2021102290
2021102306	2021102320	2021102327	2021102330
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2021102363	2021102364	2021102365	2021102366
2021102367	2021102368	2021102370	2021102371
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**Patents Granted****Innovation Patents**

2021102380 2021102381 2021102382 2021102383  
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 2021102392 2021102394 2021102396 2021102397  
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 2021102408 2021102409 2021102411 2021102413  
 2021102420 2021102429 2021102431 2021102432  
 2021102433 2021102434 2021102436 2021102439  
 2021102440 2021102441 2021102442 2021102443  
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 2021102452 2021102455 2021102456 2021102459  
 2021102460 2021102465 2021102468 2021102469  
 2021102470 2021102471 2021102472 2021102473  
 2021102474 2021102479 2021102480 2021102481

**Assignments Registered**

2001292907 Merck Sharp & Dohme Corp. The patent has been assigned to **Organon LLC**

2002247019 Merck Sharp & Dohme Corp. The patent has been assigned to **Organon LLC**

2004264463 Japan Tobacco Inc. The patent has been assigned to **KANEKA CORPORATION**

2004264470 Japan Tobacco Inc. The patent has been assigned to **KANEKA CORPORATION**

2006202618 Merck Sharp & Dohme Corp. The patent has been assigned to **Organon LLC**

2006203175 Merck Sharp & Dohme Corp. The patent has been assigned to **Organon LLC**

2006324560 Japan Tobacco Inc. The patent has been assigned to **KANEKA CORPORATION**

2007201970 Merck Sharp & Dohme Corp. The patent has been assigned to **Organon LLC**

2007261964 JAPAN TOBACCO INC. The patent has been assigned to **KANEKA CORPORATION**

2007327072 James Fisher MFE Limited The patent has been assigned to **James Fisher Offshore Limited**

2008201609 Merck Sharp & Dohme Corp. The patent has been assigned to **Organon LLC**

2008219991 JAPAN TOBACCO INC. The patent has been assigned to **KANEKA CORPORATION**

2008221585 Japan Tobacco Inc. The patent has been assigned to **KANEKA CORPORATION**

2008267383 ENDURA S.p.A.; SIPCAM S.p.A. The patent has been assigned to **SIPCAM OXON S.p.A.**

2008267762 SmartCap Technologies Pty Ltd The patent has been assigned to **Wenco International Mining Systems Limited**

2009232967 JAPAN TOBACCO INC. The patent has been assigned to **KANEKA CORPORATION**

2010278126 JAPAN TOBACCO INC. The patent has been assigned to **KANEKA CORPORATION**

2011232339 Newrow, Inc. The patent has been assigned to **Kaltura, Inc.**

2011234469 Pierre Fabre Dermo-Cosmetique The patent has been assigned to **GALENIC COSMETICS LABORATORY**

**Assignments Registered**

2011283474 Japan Tobacco Inc. The patent has been assigned to **KANEKA CORPORATION**

2012297569 Cardiora Pty Ltd The patent has been assigned to **Baker Heart and Diabetes Institute**

2013397276 Biofiltro S.p.A. The patent has been assigned to **BIOFILTRO USA, INC.**

2015266453 Beijing Pearl Biotechnology Limited Liability Company The patent has been assigned to **Shanghai Emerald Wellcares Pharmaceutical Co., LTD**

2015372434 Cardiora Pty Ltd The patent has been assigned to **Baker Heart and Diabetes Institute**

2015377905 Siemens Aktiengesellschaft The patent has been assigned to **Siemens Energy AS; Siemens Energy Global GmbH & Co. KG**

2016299343 Raymondos, Konstantinos; Mölgen, Roland; Ebnet, Jens The patent has been assigned to **Mölsen, Roland; Raymondos, Konstantinos; Ebnet Medical GmbH**

2016369371 LEO Pharma A/S The patent has been assigned to **UNION therapeutics A/S**

2018256666 Parksen Group Pty Ltd The patent has been assigned to **Resources Unity Enterprise Pty Ltd**

2018256667 Parksen Group Pty Ltd The patent has been assigned to **Resources Unity Enterprise Pty Ltd**

2019100282 Dynatrim Pty Ltd The patent has been assigned to **Schenck Process Australia Pty Ltd**

**Corrigenda**

In Vol 35 , No 14 , Page(s) 3237 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name FG Innovation Company Limited, Application No. 2019322270, under INID (71) add co-applicant Sharp Kabushiki Kaisha

In Vol 35 , No 22 , Page(s) 4757 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name BravoVax Co., Ltd, Application No. 2019349036, under INID (72) correct the co-inventor to WU, Ke

In Vol 35 , No 23 , Page(s) 4934 under the heading **PCT applications that have entered the National Phase - Name Index** Under the names AbbVie Inc.; NewSouth Innovations Pty Limited; Chelsea and Westminster Hospital NHS Foundation Trust, Application No. 2019384793, under INID (71) correct the applicant name to The Chelsea and Westminster Hospital NHS Foundation Trust

In Vol 35 , No 24 , Page(s) 5116 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name GloFish, LLC, Application No. 2020207368, under INID (72) correct the co-inventor to CROCKETT, Richard

In Vol 35 , No 24 , Page(s) 5142 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Wonderland Nurserygoods Co., Ltd., Application No. 2019382420, under INID (71) correct the applicant name to China Wonderland Nurserygoods Co., Ltd.

In Vol 35 , No 24 , Page(s) 5188 under the heading **Corrigenda** Under the names Universite de Caen Normandie, Institut National de la Sante et de la Recherche Medicale (INSERM), Centre National de la

**Corrigenda**

Recherche Scientifique and Université de Montpellier, Application No. 2019350443, under INID (54) correct the title to read Combination of acetylcholinesterase inhibitor and 5-HT4 receptor agonist as neuroprotective agent in the treatment of neurodegenerative diseases

**Specifications Republished**

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

2016364990	<b>NJ Sharing Network</b>
2017374402	<b>LG Electronics Inc.</b>
2017428640	<b>Mitsubishi Electric Corporation</b>
2017445062	<b>GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.</b>
2018218557	<b>Novartis AG</b>
2018304943	<b>Nicoventures Trading Limited</b>
2018385254	<b>Vetco Gray Scandinavia AS</b>
2019203153	<b>Amazon Technologies, Inc.</b>
2019203926	<b>BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.</b>