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# The Patent Office Record

# La Gazette du Bureau des brevets



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# THE CANADIAN PATENT OFFICE RECORD

# LA GAZETTE DU BUREAU DES BREVETS

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

# **Table of Contents**

## **Table des matières**

### Notices

Avis .....	1
------------	---

### Canadian Patents Issued

Brevets canadiens délivrés .....	25
----------------------------------	----

### Canadian Applications Open to Public Inspection

Demandes canadiennes mises à la disponibilité du public.....	82
--	----

### PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale .....	93
---	----

### Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant .....	191
---	-----

### Index of Canadian Patents Issued

Index des brevets canadiens délivrés .....	198
--	-----

### Index of Canadian Applications Open to Public Inspection

Index des demandes canadiennes mises à la disponibilité du public .....	209
---	-----

### Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale .....	211
---	-----

### Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant .....	229
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# Notices

## 1. Dates and Code Numerals Appearing in Patent Headings

### Dates

All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

### Code Numerals

The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

- [11] - Number of Patent document
- [13] - Kind-of-document code
- [21] - Number assigned to the Application
- [22] - Date of Filing Application or
- [22] - Date of filing of related divisional application
- [25] - Language in which the published application was originally filed
- [30] - Data relating to priority under the Paris Convention
  
- [41] - Open to Public Inspection Date
- [45] - Date of Issue
- [48] - Correction Date ( Re-Issued, Re-Examined )
- [51] - International Classification
- [52] - Domestic Classification
- [54] - Title of Invention
- [60] - Related by Supplementary Disclosure
- [62] - Related by Division
- [64] - Related by Reissue
- [71] - Name(s) of Applicant(s)
- [72] - Name(s) of Inventor(s)
- [73] - Name(s) of Grantee(s)
- [85] - National Entry Date
- [86] - PCT International Filing Data
- [87] - PCT International Publication data

# Avis

## 1. Dates et chiffres de code figurant à l'entête des brevets

### Dates

Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

### Chiffres de code

Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques ». Ces codes sont utilisés pour l'identification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), siège à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la Convention de Paris
- [41] - Date de mise à la disponibilité du public
- [45] - Date de délivrance
- [48] - Date de correction ( Redélivrance, Réexamen )
- [51] - Classification internationale
- [52] - Classification nationale
- [54] - Titre de l'invention
- [60] - Apparenté par divulgation supplémentaire
- [62] - Apparenté par division
- [64] - Apparenté par redélivrance
- [71] - Nom(s) du (des) demandeur(s)
- [72] - Nom(s) de(s) l'inventeur(s)
- [73] - Nom(s) du (des) titulaire(s)
- [85] - Date d'entrée en phase nationale
- [86] - Données du dépôt international selon le PCT
- [87] - Données de publication internationale selon le PCT

## Avis

### 2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: ([www.wipo.int/scit/en/standards/standards.htm](http://www.wipo.int/scit/en/standards/standards.htm)).

### 2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: ([www.wipo.int/scit/fr/standards/standards.htm](http://www.wipo.int/scit/fr/standards/standards.htm)).

### 3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of \$1 per page by visiting ([www.strategis.ic.gc.ca/patentsorder](http://www.strategis.ic.gc.ca/patentsorder)) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1\* On requesting copy in electronic form of a document:

- |   |      |
|---|------|
| a) for each request   | N/A  |
| b) plus, for each patent or application to which the request relates  | \$10 |
| c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first | \$10 |
| d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes                                     | \$10 |

### 3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 \$ par page en visitant notre site Web ([www.strategis.ic.gc.ca/brevetscommande](http://www.strategis.ic.gc.ca/brevetscommande)) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1\* Demande d'une copie d'un document sous forme électronique :

- |  |       |
|--|-------|
| a) pour chaque demande   | S.O.  |
| b) pour chaque demande de brevet ou brevet visé par la demande   | 10 \$ |
| c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel | 10 \$ |
| d) pour chaque tranche de 10 mégaoctets qui excède 7 mégaoctets, l'excédant étant arrondi au multiple supérieur        | 10 \$ |

### 4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of \$1 per page from the Patent Office.

### 4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 \$ la page.

## 5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

## 5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

## 6. Licensing of Patents

### Voluntary Licences

Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

### Compulsory Licences

Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

## 6. Octroi de licences en vertu des brevets

### Licences librement accordées

Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

### Licences obligatoires

Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

## 7. Patents Available for Licence or Sale

An asterisk (\*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

## 7. Brevets disponibles pour licence ou vente

Un astérisque (\*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

## 8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

None

## 8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

Aucun

## 9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

## 10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

## 11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After June 3, 2020

<b>1. Transmittal Fee (Rule 14)</b>	<b>\$300</b>
<b>2. International Filing Fee</b>	<b>\$1961*</b>
For each additional sheet over 30	<b>\$22</b>
<b>3. International Search Fee</b>	<b>\$1600</b>

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

## 9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

## 10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

## 11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 3 juin 2020

<b>1. Taxe de transmission (Règle 14)</b>	<b>300 \$</b>
<b>2. Taxe de dépôt internationale</b>	<b>1961 \$*</b>
Pour chaque feuille au delà de 30	<b>22 \$</b>
<b>3. Taxe de recherche internationale</b>	<b>1600 \$</b>

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

## Notices

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

#### **4. Late payment fee**

**50% of the fees that are due, or,  
Minimum: Transmittal fee  
Maximum: 50% of the international filing fee**

## Preliminary Examination

<b>5. Handling fee (Rule 57.2(a))</b>	\$295
<b>6. Preliminary examination fee (Rule 58)</b>	\$800

\* International fees will be reduced by:

- **\$295** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
  - **\$442** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

#### **4. Taxe pour paiement tardif**

**50% du montant impayé, ou,  
Minimum : taxe de transmission  
Maximum : 50% de la taxe de dépôt  
international**

## **Examen préliminaire**

<b>5. Taxe de traitement (Règle 57.2a))</b>	<b>295 \$</b>
<b>6. Taxe d'examen préliminaire (Règle 58)</b>	<b>800 \$</b>

\* Les frais seront réduits de:

- **295 \$** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
  - **442 \$** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

## **12. PCT Notices**

## **Patent Cooperation Treaty (PCT)**

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section  
Post Office Box 18  
1211 Geneva 20 Switzerland  
Telephone (011 41 22) 338-9618  
Facsimile (011 41 22) 740-1812

or by “E-mail” ([publications.mail@wipo.int](mailto:publications.mail@wipo.int)) or visit their Web site ([www.wipo.int](http://www.wipo.int)).

## 12. Avis PCT

## **Traité de Coopération en matière de brevets (PCT)**

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information  
Boîte postale 18  
1211 Genève 20 Suisse  
Téléphone (011 41 22) 338-9618  
Télécopieur (011 41 22) 740-1812

ou par courriel ([publications.mail@wipo.int](mailto:publications.mail@wipo.int)) ou visiter leur site Web ([www.wipo.int](http://www.wipo.int)).

## 13. Practice Notice

### LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

**Note:** This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as “the Offices”) have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term “firm” includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

## 13. Énoncé de pratique

### LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

**Nota :** Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets.**

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais « partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

## Notices

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce*.

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets et de l'alinéa 21d) du Règlement sur les marques de commerce* (1996).

## 14. Correspondence Procedures

The correspondence procedures and the related practice for written communications to the Commissioner of Patents and the Patent Office under the Patent Act and the Patent Rules is outlined in Chapter 2 of the Manual of Patent Office Practice (MOPOP).

Web Link for MOPOP:

[http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h\\_wr00720.html](http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html)

The correspondence procedures and the related practice of written communications with respect to Trademarks and to Industrial Design can be found in the Practice Notice entitled *Correspondence Procedures*, available on CIPO's website.

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:

<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html>

Publication date: May 10, 2017

Amendment date: June 17, 2019

### On this page:

1. Physical Delivery of Correspondence and Written Communications to CIPO
2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
4. General Information
5. Time Period Extensions
6. Procedures in Case of an Unexpected Office Closure at CIPO

## 14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes de communication écrite au commissaire aux brevets ou au Bureau des brevets en vertu de la Loi sur les brevets et des Règles sur les brevets seront exposées dans le chapitre 2 du Recueil des pratiques du Bureau des brevets (RPBB).

Lien Web pour le RPBB :

[http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h\\_wr00720.html](http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html)

Les procédures de correspondance et les pratiques connexes de communication écrite concernant les marques de commerce et les dessins industriels se trouvent dans le document intitulé *Procédures de correspondance*, consultable sur le site Web de l'OPIC.

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :  
<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html>

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### Sur cette page :

1. Remise physique de correspondance et communications écrites à l'OPIC.
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Prorogation des délais
6. Procédures en cas de fermeture imprévue des bureaux de l'OPIC

## Avis

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

This notice is intended to clarify the practice of the Canadian Intellectual Property Office with respect to correspondence procedures and written communications and replaces all previous notices.

### **1. Physical Delivery of Correspondence and Written Communications to CIPO**

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office  
Place du Portage I  
50 Victoria Street, Room C-114  
Gatineau QC K1A 0C9

In accordance with subsections 5(2), 5(3), 54(1) and 54(2) of the Patent Rules, subsection 10(2) of the Trademarks Regulations, subsections 2(2) and (3) of the Copyright Regulations, subsection 5(1) of the Industrial Design Regulations and subsections 3(2) and (3) of the Integrated Circuit Topography Regulations, correspondence and written communications delivered to the above address between 8:30 a.m. to 4:30 p.m. (Eastern Time) Monday to Friday is deemed to have been received on the actual date of their delivery if they are delivered when CIPO is open to the public.

Correspondence delivered at a time when CIPO is closed to the public will be deemed or considered to have been received on the day on which CIPO is next open to the public.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted

Le présent énoncé de pratique a pour but de préciser la pratique de l'Office de la propriété intellectuelle du Canada relativement aux procédures de correspondance et de communications écrites et remplace tout avis antérieur.

### **1. Remise physique de correspondance et communications écrites à l'OPIC**

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

Office de la propriété intellectuelle du Canada  
Place du Portage I  
50, rue Victoria, pièce C-114  
Gatineau (Québec) K1A 0C9

Conformément aux paragraphes 5(2), 5(3), 54(1) et 54(2) des Règles sur les brevets, du paragraphe 10(2) du Règlement sur les marques de commerce, des paragraphes 2(2) et (3) du Règlement sur le droit d'auteur, du paragraphe 5(1) du Règlement sur les dessins industriels et des paragraphes 3(2) et (3) du Règlement sur les topographies de circuits intégrés, la correspondance et les communications écrites ayant été remises à l'adresse ci-dessus entre 8h30 et 16h30 (Heure de l'Est) du lundi au vendredi seront réputées avoir été reçues le jour de leur remise, si elles sont remises alors que l'OPIC est ouvert au public.

La correspondance remise lorsque les bureaux de l'OPIC sont fermés au public sera réputée avoir été reçue le jour de la réouverture de l'OPIC au public.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, celle-ci ne peut pas être retournée à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet qui ne rencontre pas les exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront renvoyés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être

## Notices

to CIPO that contains financial information, such as credit card numbers.

Download the [Fee Payment Form](#).

fourni comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le [formulaire de paiement des frais](#).

### 1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

- Innovation, Science and Economic Development Canada  
C.D. Howe Building  
235 Queen Street, Room S-143  
Ottawa ON K1A 0H5  
Tel.: 343-291-3436

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,  
except statutory holidays

- Innovation, Science and Economic Development Canada  
Sun Life Building  
1155 Metcalfe Street, Room 950  
Montreal QC H3B 2V6  
Tel.: 514-496-1797  
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,  
except statutory holidays

- Innovation, Science and Economic Development Canada  
151 Yonge Street, 4th Floor  
Toronto ON M5C 2W7  
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,

### 1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée et qu'aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

- Innovation, Sciences et Développement économique Canada  
Édifice C.D. Howe  
235, rue Queen, pièce S-143  
Ottawa (Ontario) K1A 0H5  
Tél. : 343-291-3436

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada  
Édifice Sun Life  
1155, rue Metcalfe, bureau 950  
Montréal (Québec) H3B 2V6  
Tél. : 514-496-1797  
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada  
151, rue Yonge, 4e étage  
Toronto (Ontario) M5C 2W7  
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi,

## Avis

except statutory holiday	l'exception des jours fériés
<ul style="list-style-type: none"><li>Innovation, Science and Economic Development Canada Canada Place 9700 Jasper Avenue, Suite 725 Edmonton AB T5J 4C3 Tel.: 780-495-4782 Toll-free: 1-800-461-2646</li></ul>	<ul style="list-style-type: none"><li>Innovation, Sciences et Développement économique Canada Canada Place 9700, avenue Jasper, pièce 725 Edmonton (Alberta) T5J 4C3 Tél. : 780-495-4782 Sans frais : 1-800-461-2646</li></ul>
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays	8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés
<ul style="list-style-type: none"><li>Innovation, Science and Economic Development Canada Library Square 300 West Georgia Street, Suite 2000 Vancouver BC V6B 6E1 Tel.: 604-666-5000</li></ul>	<ul style="list-style-type: none"><li>Innovation, Sciences et Développement économique Canada Library Square 300, rue Georgia Ouest, pièce 2000 Vancouver (C.-B.) V6B 6E1 Tél. : 604-666-5000</li></ul>
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays	8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

In accordance with subsections 5(4), 5(5), 54(3) and 54(4) of the Patent Rules, subsection 10(3) of the Trademarks Regulations, subsections 2(4) and (5) of the Copyright Regulations, subsection 5(2) of the Industrial Design Regulations and subsections 3(4) and (5) of the Integrated Circuit Topography Regulations, correspondence delivered to a designated establishment on a day when CIPO is open to the public will be deemed or considered to be received on the day on which they are delivered to that designated establishment. If CIPO is closed to the public, correspondence will be deemed or considered to be received on the day on which CIPO is next open to the public. For example, if correspondence intended for CIPO is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as CIPO is closed on that day (St-Jean-Baptiste Holiday in Quebec). It will be deemed received on the day on which CIPO is next open to the public.

Conformément aux paragraphes 5(4), 5(5), 54(3) et 54(4) des Règles sur les brevets, au paragraphe 10(3) du Règlement sur les marques de commerce, aux paragraphes 2(4) et (5) du Règlement sur le droit d'auteur, au paragraphe 5(2) du Règlement sur les dessins industriels et aux paragraphes 3(4) et (5) du Règlement sur les topographies de circuits intégrés, la correspondance remise à l'un des établissements désignés susmentionnés lorsque les bureaux de l'OPIC sont ouverts au public sera réputée ou considérée avoir été reçue le jour de leur remise à cet établissement désigné. Si les bureaux de l'OPIC sont fermés au public, la correspondance sera réputée ou considérée avoir été reçue à le jour de la réouverture de l'OPIC au public. Par exemple, la correspondance adressée à l'OPIC remise à l'établissement désigné de Toronto le 24 juin ne sera pas considérée avoir été reçue le 24 juin puisque les bureaux de l'OPIC sont fermés ce jour-là (la Saint-Jean Baptiste est un jour férié au Québec). La correspondance sera alors réputée avoir été reçue le jour de la réouverture des bureaux de l'OPIC au public.

## 1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

## 1.2. Services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada sont des établissements ou des

## Notices

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

## 2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 10(5) of the Trademarks Regulations specifies certain categories of correspondence to which the provisions of subsection 10(4) do not apply.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered to the Commissioner of Patents by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is

bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

L'OPIC considère que la correspondance remise par l'entremise des services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation de Postes Canada, en autant que l'OPIC soit ouvert au public ce jour-là. Si l'OPIC est fermé au public ce jour-là, la correspondance sera réputée ou considérée avoir été reçue le jour de réouverture de l'OPIC au public.

## 2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 10(5) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 10(4) ne s'appliquent pas.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies constitue une version originale. Par conséquent, un duplicata sur support papier ne devrait pas être expédié.

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale,

## Avis

open for business.

Correspondence delivered to the Registrar of Trademarks or the Industrial Design Office by electronic means of transmission, including facsimile, is deemed to have been received on the day on which CIPO receives it (Eastern Time).

### 2.1 Facsimile

Black and white facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent to the following facsimile numbers:

(819) 953-CIPO (2476) or (819) 953-OPIC (6742)

Colour facsimile correspondence addressed to the Registrar of Trademarks or the Industrial Design Office **must** be sent to the following facsimile number:

(819) 934-3833

Note that the model of facsimile is a Xerox C505/X and that this information may be needed to ensure a successful colour transmission.

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment, will be considered not to have been received.

Evidence submitted by facsimile in respect of an opposition or section 45 proceeding **will not be accepted** due to issues such as the often-poor quality of transmission, the risk of incomplete transmission and the voluminous nature of the documents.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting by facsimile a document that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

La correspondance fournie au registraire des marques de commerce ou transmise au Bureau des dessins industriels par voie électronique, y compris par télécopieur, est réputée avoir été reçue le jour où l'OPIC l'a reçue (Heure de l'Est).

### 2.1 Correspondance par télécopieur

La correspondance en noir et blanc par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise aux numéros ci-dessous :

819-953-OPIC (6742) ou 819-953-CIPO (2476)

La correspondance en couleur par télécopieur (modèle : Xerox C505/X) adressée au registraire des marques de commerce ou au Bureau des dessins industriels doit être transmise au numéro ci-dessous :

(819) 934-3833

À noter que le modèle de télécopieur est un Xerox C505/X; information qui peut être nécessaire afin de compléter une transmission en couleur.

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements désignés, sera considérée comme n'ayant pas été reçue.

Les éléments de preuve présentés par télécopieur dans le cadre d'une procédure d'opposition ou de radiation en vertu de l'article 45 de la Loi **ne seront pas acceptés** en raison des inconvenients reliés à la mauvaise qualité de la transmission, au risque que la transmission soit incomplète et à la nature volumineuse de ces documents.

Le rapport de transmission électronique que vous recevrez après votre transmission par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'une interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Lors de la transmission par télécopieur d'un document comprenant une demande d'acquittement de droit ou taxe, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements des frais afin d'assurer un traitement rapide.

## Notices

### Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

### 2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

### Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- [filing an application](#) (regular application);
- [filing a request for national entry](#);
- [filing an international application](#) (PCT Safe or ePCT);
- [general correspondence relating to applications and patents](#);
- [maintaining the name of a patent agent on the register of patent agents](#); and
- [ordering copies in paper, or electronic form of a document](#).

### Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called [PCT E-Filing](#).

**Note:** Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a [designated establishment](#).

### Trademarks

For the purpose of subsection 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by

### Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

### 2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

### Brevets

Pour l'application du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment en accédant aux pages suivantes :

- [déposer une demande](#) (demande régulière);
- [déposer une demande d'entrée dans la phase nationale](#);
- [déposer une demande internationale](#) (PCT Safe ou ePCT);
- [correspondance générale concernant des demandes et des brevets](#);
- [maintien du nom d'un agent de brevets dans le registre des agents de brevets](#);
- [commande de copies papier ou d'un document sous forme électronique](#).

### Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé [Dépôt en ligne de demandes PCT](#).

**Note:** La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un [établissement désigné](#).

### Marques de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment en accédant aux pages suivantes

## Avis

accessing the following pages:

- [filing a new or revised trademark application;](#)
- [renewal of a trademark registration;](#)
- [request to enter a name on the list of trademark agents;](#)
- [annual renewal of a trademark agent;](#)
- [requesting copies of trademark documents;](#)
- [registration of a trademark application;](#)

- [nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;](#)
- [renouvellement de l'enregistrement d'une marque de commerce;](#)
- [demande d'inscription d'un nom à la liste des agents de marques de commerce;](#)
- [renouvellement annuel d'un agent de marques de commerce;](#)
- [commande de copies de documents de marques de commerce,](#)
- [l'enregistrement d'une marque de commerce](#)

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the [Trademarks Opposition Board's online web application](#):

### *Opposition proceedings before the Trademarks Opposition Board*

- filing a statement of opposition;
- filing of a counter statement;
- submission of the opponent's evidence, or statement;
- submission of the applicant's evidence, or statement;
- submission of the opponent's reply evidence;
- submission of the opponent's written representations, or statement;
- submission of the applicant's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

### *Section 45 proceedings before the Trademarks Opposition Board*

- filing a request for a section 45 notice;
- submission of the registered owner's evidence;
- submission of the requesting party's written representations, or statement;
- submission of the registered owner's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce dans le cadre des procédures d'opposition ou de radiation en vertu de l'article 45 peut être envoyée par voie électronique en accédant à l'[application web en ligne de la Commission des oppositions des marques de commerce](#).

### *Procédures d'opposition devant la Commission des oppositions des marques de commerce*

- production d'une déclaration d'opposition;
- Production d'une contre-déclaration d'opposition;
- Production de la preuve de l'opposant, ou d'une déclaration;
- Production de la preuve du requérant, ou d'une déclaration;
- Production de la contre-preuve de l'opposant;
- Production des arguments écrits de l'opposant, ou déclarations;
- Soumission des arguments écrits du requérant, ou déclarations;
- Produire une demande pour une audience; et
- demande de prolongation de délai.

### *Procédures en vertu de l'article 45 devant la Commission des oppositions des marques de commerce*

- Production d'une demande pour un avis en vertu de l'article 45;
- Production de la preuve du propriétaire inscrit;
- Production des arguments écrits de la demanderesse, ou déclaration;
- Production des arguments écrits du propriétaire inscrit, ou déclaration;
- Produire une demande pour une audience; et
- Demande de prolongation de délai.

## Copyright

## Droits d'auteur

## Notices

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- [application for registration of a copyright in a work](#);
- [application for registration of a copyright in a performer's performance, sound recording or a communication signal](#);
- [filing a grant of interest](#);
- [request for certificate of correction](#);
- [ordering copies in paper, or electronic form of a document](#); and
- [general correspondence relating to copyright](#).

Pour l'application du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [demande d'enregistrement d'un droit d'auteur sur une œuvre](#),
- [demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de communication](#);
- [dépôt d'une concession d'intérêt](#);
- [demande de certificat de correction](#);
- [commande de copies des documents papier ou électroniques](#) et
- [correspondance générale relative aux droits d'auteur](#).

## Industrial Designs

For the purpose of subsection 24.1(1) of the Industrial Design Act, the following correspondence addressed to the Industrial Design Office may be sent electronically, by accessing the following pages:

- [application for registration of an industrial design](#);
- [ordering copies in paper, or electronic form of a document](#);
- [general correspondence relating to industrial designs](#); and
- [payment of industrial design maintenance fees](#).

## Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au Bureau des dessins industriels peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [demande d'enregistrement d'un dessin industriel](#);
- [commande de copies de documents papier ou électroniques](#);
- [correspondance générale relative aux dessins industriels](#); et
- [paiement des droits de maintien des dessins industriels](#).

## Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- [general correspondence relating to integrated circuit topographies](#).

## Topographies de circuits intégrés

Pour l'application du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [correspondance générale relative aux topographies de circuits intégrés](#).

## 2.3 Electronic medium

**Note :** all electronic media must be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

## 2.3 Supports électroniques

**Note :** Les supports électroniques doivent être exempts de ver informatique, de virus, ou de tout autre contenu malveillant. Les fichiers qui comprennent du contenu malveillant seront supprimés.

## Brevets

## Avis

### Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the application itself or amendment(s) thereof.

### Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

- i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or
- ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui contient des parties de la demande elle-même ou des modifications relatives à la demande.

### Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrédition du requérant :

- i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou
- ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

## Notices

the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

## Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of the PCT Administration Instructions.

## Trademarks and Industrial Design

The Office of the Registrar of Trademarks and the Industrial Design Office will accept the following types of electronic media: CD-ROM, CD-R, DVD, DVD-R, and USB stick.

## 3. Details Concerning the Electronic Formats Accepted

### Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically site using the relevant links set out in [section 2.2](#) of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stelligent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

### Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe F des Instructions administratives du PCT.

### Marques de commerce et dessins industriels

Le Bureau du registraire des marques de commerce et le Bureau des dessins industriels acceptent les supports électroniques suivants : CD ROM, CD-R, DVD, DVD-R, et clé USB.

## 3. Précisions concernant les formats électroniques acceptés

### Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stelligent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

## Avis

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

## Trademarks

For the purposes of subsection 64(1) of the Trademarks Act, the acceptable file formats for documents submitted electronically using the relevant links set out in [section 2.2](#) of these correspondence procedures are: PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP and Doc.

## Industrial Design

For the purposes of subsection 24.1(1) of the Industrial Design Act, the acceptable file formats for documents, other than a representation of a design, submitted electronically are WPD, DOC, DOCX and PDF. The acceptable file formats for the representation of a design are PDF, JPEG, TIFF and GIF. The file size limit is of 60MB for PDF, 10MB for the other file formats. The scanned/stored images should be of a resolution of at least 300 dpi and the dimensions must be of 21.59 cm by 27.94 cm (8.5 in by 11 in).

Note that the conversion of files to an acceptable format may result in a change to the quality of the drawings.

## Marques de commerce

Pour l'application du paragraphe 64(1) de la Loi sur les marques de commerce, les formats de fichiers acceptables pour les documents fournis par un moyen électronique énoncé à la [section 2.2](#) des présentes procédures de correspondance sont : PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP et Doc.

## Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, les formats de fichiers acceptables pour les documents autres que la représentation d'un dessin, transmis par voie électronique sont : WPD, DOC, DOCX, PDF. Les formats de fichiers acceptables pour la représentation d'un dessin sont PDF, JPEG, TIFF, et GIF. La taille maximale est de 60MB pour le format PDF et de 10MB pour tout autre format. L'image numérisée/stockée devrait être dans une résolution d'au moins 300 dpi et les dimensions doivent être de 21,59 cm par 27,94 cm (8,5 po par 11po)

Veuillez noter que la conversion de fichiers vers un format acceptable pourrait résulter en un changement à la qualité des dessins.

### 4. General Information

General information may be obtained by communicating with CIPO's [Client Service Centre](#).

### 5. Time Period Extensions

- [Time period extensions under the Patent, Trademarks and Industrial Design Acts](#)
- [Time period extensions under the Copyright and Integrated Circuit Topography Acts](#)
- [Time period extensions under the Patent Cooperation Treaty](#)
- [Time period extensions under the Madrid Protocol and the Hague Agreement](#)

#### Time period extensions under the Patent, Trademarks and Industrial Design Acts

For the purposes of subsection 78(1) of the Patent Act, subsection 66(1) of the Trademarks Act, and subsection 21(1) of the Industrial Design Act, any time period fixed under those Acts and ending on 1) a **prescribed day** set out in the list below or 2) a **designated day** on account of unforeseen circumstances, will be extended to the next day that is not a prescribed day or a designated day and where CIPO is open to the public.

**Designated days** are those days that are designated by the Commissioner, the Registrar, or the Minister, on account of unforeseen circumstances and if they are satisfied that it is in the public interest to do so. If a day is designated, the public will be informed of that fact on CIPO's website.

**Prescribed days** under the Patent Act, Trademarks Act and Industrial Design Act are as follows:

- Every Saturday and Sunday;
- New Year's Day (January 1)\*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)\*;
- Canada Day (July 1)\*;
- The first Monday in August;\*\*\*
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;

### 4. Renseignements généraux

Des renseignements généraux peuvent être obtenus en communiquant avec [le Centre de services à la clientèle de l'OPIC](#).

### 5. Prorogation des délais

- [Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels](#)
- [Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés](#)
- [Prorogation des délais en vertu du le Traité de coopération en matière de brevets](#)
- [Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye](#)

#### Prorogation des délais prévus par les Lois sur les brevets, les marques de commerce, et les dessins industriels

Pour l'application du paragraphe 78(1) de la Loi sur les brevets, du paragraphe 66(1) de la Loi sur les marques de commerce, et du paragraphe 21(1) de la Loi sur les dessins industriels, tout délai fixé sous le régime de ces lois et qui expire 1) un **jour prescrit ou règlementaire** tel qu'indiqué dans la liste ci-dessous, ou 2) un **jour désigné** en raison de circonstances imprévues, sera prorogé jusqu'au jour suivant qui n'est ni un jour prescrit ni un jour désigné et où l'OPIC est ouvert au public.

Les **jours désignés** sont les jours désignés par le commissaire, le registraire, ou le ministre, où, en raison de circonstances imprévues, s'il est dans l'intérêt public de le faire. Si un jour est désigné, le public en sera informé sur le site web de l'OPIC.

Les **jours prescrits ou règlementaires** en vertu de la Loi sur les brevets, de la Loi sur les marques de commerce et de la Loi sur les dessins industriels sont les suivants :

- Tous les samedis et dimanches;
- Nouvel An (1<sup>er</sup> janvier)\*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)\*;
- Fête du Canada (1<sup>er</sup> juillet)\*;
- Le premier lundi du mois d'août\*\*\*;
- Fête du travail : Premier lundi du mois de septembre;

## Avis

- Remembrance Day (November 11)\*;
- Christmas Day (December 25)\*\*;
- Boxing Day (December 26)\*\* ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

\*In the case of New Year's Day, St. Jean Baptiste Day, Canada Day and Remembrance Day, if the day falls on a Saturday or Sunday, deadlines will be extended to the following Tuesday.

\*\*If December 25 falls on a Friday, deadlines will be extended to the following Tuesday. If December 25 falls on a Saturday or Sunday, any time periods ending on December 25 or December 26 will be extended to the following Wednesday.

\*\*\*Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public (first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

Extensions for prescribed days occur regardless of place of residence or of the establishment to which documents are delivered.

Please be aware that not all provincial and territorial holidays are days where deadlines are extended. It is recommended that clients be mindful and ensure that all deadlines are respected.

- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)\*;
- Jour de Noël (25 décembre)\*\*;
- Lendemain de Noël\*\* ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

\*Si le Nouvel An, la Saint-Jean-Baptiste, la Fête du Canada, ou le Jour du Souvenir est un samedi ou un dimanche, les délais seront prorogés au mardi suivant.

\*\*Si le 25 décembre est un vendredi, les délais seront prorogés au mardi suivant. Si le 25 décembre est un samedi ou un dimanche, les délais seront prorogés au mercredi suivant.

\*\*\*Veuillez noter que les Bureaux sont ouverts au public le premier lundi du mois d'août. Tout délai qui expire ce jour-là sera prorogé au prochain jour ouvrable (premier mardi du mois d'août). Cependant, toute correspondance, droits ou taxes fournis au Bureau ce jour-là seront réputés ou considérés avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou réglementaires s'appliquent nonobstant du lieu de résidence ou du lieu de l'établissement auquel les documents ont été remis.

Veuillez noter que ce ne sont pas tous les jours fériés provinciaux ou territoriaux qui sont des jours prescrits ou réglementaires pour lesquels un délai peut être prorogé. Il est recommandé que les clients soient attentifs et s'assurent que tout délai soit respecté.

## Time period extensions under the Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to CIPO or a designated establishment (including the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly,

## Prorogation des délais prévus par les Lois sur le droit d'auteur et sur les topographies de circuits

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à l'OPIC ou à un établissement désigné (y compris un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé<sup>MC</sup>, ou par Xpresspost<sup>MC</sup> de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont

## Notices

where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

### Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

- i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;
- ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;
- iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or
- iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

### Time period extensions under the Madrid Protocol and the Hague Agreement

If a period within which a communication must be received by the International Bureau of the World Intellectual Property Office would expire on a day on which the International

livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

### Prolongations de délais prévus au Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour :

- i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;
- ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;
- iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou
- iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

### Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Si un délai à l'intérieur duquel une communication doit être reçue par le Bureau international de l'Organisation mondiale de propriété intellectuelle expire un jour où le Bureau international n'est pas ouvert au public, le délai expirera lors du

## Avis

Bureau is not open to the public, it will expire on the next subsequent day on which the International Bureau is open. Likewise, if the period within which a communication (such as a notification of refusal of protection) must be sent by CIPO to the International Bureau would expire on a day on which CIPO is not open to the public, it will expire on the next subsequent day on which CIPO is open.

A list of the days on which the International Bureau is closed to the public during the current and the following calendar year is available on the [WIPO website](#).

## 6. Procedures in Case of an Unexpected Office Closure at CIPO

In case of unforeseen circumstances, CIPO will attempt to remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or a designated day and where CIPO is open to the public.

For Copyright and Integrated Circuit Topography, if CIPO is closed to the public due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open to the public. In such situations, mail delivered to CIPO or to designated establishments will be considered to be received on the date that CIPO re-opens to the public, with the exception of correspondence addressed to the Registrar of Topographies.

In view of the date-sensitive nature of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information with respect to [service interruptions](#) on our website as it becomes available and as circumstances permit.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in [section 2.2](#) of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee

premier jour suivant où le Bureau international est ouvert au public. Similairement, si un délai à l'intérieur duquel une communication (tel qu'une notification de refus de la protection) doit être envoyée par l'OPIC au Bureau international expire un jour où les bureaux de l'OPIC sont fermés au public, ce délai expirera lors du premier jour suivant la réouverture de l'OPIC.

Une liste des jours pendant lesquels le Bureau international est fermé au public pendant l'année civile en cours et à venir est disponible [sur le site web de l'OMPI](#).

## 6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Conformément à l'alinéa 27.01n) des Règles sur les Brevets, l'alinéa 15n) du Règlement sur les marques de commerce et de l'alinéa 36n) du Règlement sur les dessins industriels, lorsque les bureaux de l'OPIC sont fermés au public pendant toute ou une partie des heures normales d'ouverture, y compris une fermeture en raison de circonstances extraordinaires, les délais seront prorogés au jour suivant qui ne sera pas un jour prescrit ou un jour désigné et où l'OPIC est ouvert au public .

Pour les droits d'auteur et les topographies de circuits intégrés, si les bureaux de l'OPIC sont fermés au public en raison de circonstances extraordinaires, l'OPIC considère que tous les délais sont prorogés au prochain jour d'ouverture au public. Dans de telles circonstances, le courrier livré à l'OPIC ou à des établissements désignés sera considéré avoir été reçu à la date du jour de la réouverture de l'OPIC au public, à l'exception de la correspondance adressée au registraire des topographies.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

En situation d'urgence, les systèmes d'information et de recherche resteront, dans la mesure du possible, accessibles à partir de notre site Web. Toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre [page d'interruptions des services](#), lorsque ceux-ci seront disponibles et les circonstances le permettront.

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé<sup>MC</sup>, par Xpresspost<sup>MC</sup> ou par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance. Il est toujours

## Notices

payment that is sent by fax must be accompanied by a VISA™, MasterCard™, or American Express™ credit card number, or CIPO deposit account number.

Please note that there may also be instances in which the designated offices may be temporarily closed, yet CIPO remains open to the public. In such situations, it remains **the responsibility of CIPO's clients** to ensure that all deadlines are respected.

possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés d'un numéro de carte VISA<sup>MC</sup>, Mastercard<sup>MC</sup> ou American Express<sup>MC</sup> ou d'un numéro de compte de dépôt à l'OPIC.

Veuillez noter qu'il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, **les clients de l'OPIC demeurent responsables** du respect de tous les échéanciers.

## 7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office

### Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open to the public but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

### Trademarks

The Trademarks Act and Regulations allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. In order for a retroactive extension of time to be granted, the Registrar of Trademarks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee is required in certain cases.

## 7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office

### Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif en rapport aux types de propriété intellectuelle mentionnés ci-haut ne donne pas à l'OPIC la flexibilité de proroger les délais lorsque l'Office est ouvert au public, mais les clients sont dans l'impossibilité de communiquer avec le l'Office.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

### Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prolongation rétroactive lorsqu'un délai n'a pas été respecté en raison d'un cas de force majeure. Pour qu'une prolongation de délai rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit est exigé dans certains cas.

## 8. Intellectual property acts, rules and regulations

- [Copyright Act](#)
- [Copyright Regulations](#)
- [Industrial Design Act](#)
- [Industrial Design Regulations](#)
- [Integrated Circuit Topography Act](#)
- [Integrated Circuit Topography Regulations](#)
- [Interpretation Act](#)
- [Patent Act](#)

## 8. Lois, règles et règlements sur la propriété intellectuelle

- [Loi sur le droit d'auteur](#)
- [Règlement sur le droit d'auteur](#)
- [Loi sur les dessins industriels](#)
- [Règlement sur les dessins industriels](#)
- [Loi sur les topographies de circuits intégrés](#)
- [Règlement sur les topographies de circuits intégrés](#)
- [Loi d'interprétation](#)
- [Loi sur les brevets](#)
- [Règles sur les brevets](#)

## Avis

- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trademarks Act](#)
- [Trademarks Regulations](#)

- [Règlement d'exécution du PCT](#)
- [Loi sur les marques de commerce](#)
- [Règlement sur les marques de commerce](#)

## 15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of July 11, 2023 contains applications open to public inspection from June 25, 2023 to July 1, 2023.

## 15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 11 juillet 2023 contient les demandes disponibles au public pour consultation pour la période du 25 juin 2023 au 1 juillet 2023.

# Canadian Patents Issued

July 11, 2023

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- [51] Int.Cl. H04N 21/40 (2011.01) H04N 21/41 (2011.01)
  - [25] EN
  - [54] SET TOP BOX AUTOMATION
  - [54] AUTOMATISATION DE BOITIER DE DECODAGE
  - [72] HWANG, JUNGTAIK, US
  - [72] EYRING, MATTHEW J., US
  - [72] NYE, JAMES E., US
  - [72] WARREN, JEREMY B., US
  - [73] VIVINT, INC., US
  - [85] 2015-12-01
  - [86] 2014-06-06 (PCT/US2014/041352)
  - [87] (WO2014/200858)
  - [30] US (61/834,409) 2013-06-12
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- [51] Int.Cl. G06Q 30/0251 (2023.01) H04N 21/478 (2011.01) H04N 21/80 (2011.01)
  - [25] EN
  - [54] SYSTEM AND METHOD OF PROMOTING ITEMS RELATED TO PROGRAMMING CONTENT
  - [54] SYSTEME ET PROCEDE DE PROMOTION D'ARTICLES EN LIEN AVEC UN CONTENU DE PROGRAMME
  - [72] CIPOLLETTA, ANTHONY LUIGI, CA
  - [72] WARGER, GABRIELLA RAQUELLE, CA
  - [73] THE TALARIAST INC., CA
  - [85] 2015-12-15
  - [86] 2014-06-19 (PCT/CA2014/000507)
  - [87] (WO2014/201546)
  - [30] US (61/837507) 2013-06-20
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- [51] Int.Cl. G01K 7/02 (2021.01)
- [25] FR
- [54] DIFFERENTIAL TEMPERATURE SENSOR
- [54] CAPTEUR DIFFERENTIEL DE TEMPERATURE
- [72] SAVELLI, GUILLAUME, FR
- [72] DUFOURCQ, JOEL, FR
- [73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
- [73] HOTBLOCK ONBOARD, FR
- [86] (2915853)
- [87] (2915853)
- [22] 2015-12-18
- [30] FR (14 62 975) 2014-12-19

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<p><b>[11] 2,919,045</b> [13] C</p> <p>[51] Int.Cl. F24D 19/10 (2006.01) F16K 31/50 (2006.01) G05D 7/03 (2006.01)</p> <p>[25] EN</p> <p>[54] PRESSURE INDEPENDENT HYDRAULIC VALVE FOR FLOW CONTROL AND REGULATION</p> <p>[54] VALVE HYDRAULIQUE INDEPENDANTE DE LA PRESSION DESTINEE AU CONTROLE ET A LA REGULATION DU DEBIT</p> <p>[72] GIUBERTONI, EFREM, IT</p> <p>[73] VIR VALVOINDUSTRIA ING. RIZZIO S.P.A., IT</p> <p>[86] (2919045)</p> <p>[87] (2919045)</p> <p>[22] 2016-01-27</p> <p>[30] IT (MI2015A 000255) 2015-02-20</p>	<p><b>[11] 2,923,325</b> [13] C</p> <p>[51] Int.Cl. C12P 21/02 (2006.01) C07K 5/083 (2006.01) C12M 1/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND DEVICE FOR CELL-FREE PROTEIN SYNTHESIS IN THE PRESENCE OF A CASPASE INHIBITOR</p> <p>[54] PROCEDE ET DISPOSITIF DE SYNTHESE DE PROTEINES ACELLULAIRE A L'AIDE D'UN LYSAT DE CELLULES EUCHARYOTES EN PRESENCE D'UN INHIBITEUR DE CASPASES, ET L'UTILISATION D'UN INHIBITEUR DE CASPASES POUR AUGMENTER LE RENDEMENT ET/OU AUGMENTER LA STABILITE DES PROTEINES SYNTHETISEES DANS UN TEL PROCEDE</p> <p>[72] KUBICK, STEFAN, DE</p> <p>[72] STECH, MARLITT, DE</p> <p>[72] WUSTENHAGEN, DOREEN, DE</p> <p>[72] QUAST, ROBERT, DE</p> <p>[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE</p> <p>[85] 2016-03-04</p> <p>[86] 2014-09-17 (PCT/EP2014/002520)</p> <p>[87] (WO2015/043729)</p> <p>[30] DE (10 2013 015 977.6) 2013-09-25</p> <p>[30] DE (10 2013 020 900.5) 2013-12-11</p>	<p><b>[11] 2,925,515</b> [13] C</p> <p>[51] Int.Cl. E04C 2/24 (2006.01) B62D 25/00 (2006.01)</p> <p>[25] EN</p> <p>[54] LIGHTWEIGHT MODULAR STRUCTURAL PANEL</p> <p>[54] PANNEAU STRUCTUREL MODULAIRE LEGER</p> <p>[72] KUMAR, ANJANI, US</p> <p>[72] PATEL, Miteshkumar Hasmukhlal, US</p> <p>[72] LAROSE, PAUL, US</p> <p>[73] NEW ENGLAND WHEELS, INC., US</p> <p>[86] (2925515)</p> <p>[87] (2925515)</p> <p>[22] 2016-03-30</p> <p>[30] US (14/739,569) 2015-06-15</p>
<p><b>[11] 2,922,319</b> [13] C</p> <p>[51] Int.Cl. E21B 33/068 (2006.01) E21B 34/02 (2006.01) E21B 43/26 (2006.01)</p> <p>[25] EN</p> <p>[54] BALL INJECTOR FOR FRAC TREE</p> <p>[54] INJECTEUR DE BALLE DESTINE A UN ARBRE DE FRACTURATION</p> <p>[72] ALLEN, GREGORY WAYNE, CA</p> <p>[72] FARQUHARSON, KEITH DAVID, CA</p> <p>[72] BEBLOW, DEAN ASHLEY, CA</p> <p>[72] ELENIAK, GLEN MURRAY, CA</p> <p>[72] WAKEFORD, JERRY, CA</p> <p>[73] STREAM-FLO INDUSTRIES LTD., CA</p> <p>[86] (2922319)</p> <p>[87] (2922319)</p> <p>[22] 2016-03-02</p> <p>[30] US (62/127,680) 2015-03-03</p>	<p><b>[11] 2,924,302</b> [13] C</p> <p>[51] Int.Cl. A01C 5/06 (2006.01) A01C 5/00 (2006.01) B60C 11/03 (2006.01)</p> <p>[25] FR</p> <p>[54] TIRE FOR AGRICULTURAL ROLLER AND AGRICULTURAL ROLLER EQUIPPED WITH SUCH TIRES</p> <p>[54] PNEUMATIQUE POUR ROULEAU AGRICOLE ET ROULEAU AGRICOLE EQUIPE DE TELS PNEUMATIQUES</p> <p>[72] PHELY, OLIVIER, FR</p> <p>[73] OTICO, FR</p> <p>[86] (2924302)</p> <p>[87] (2924302)</p> <p>[22] 2016-03-17</p> <p>[30] FR (1552687) 2015-03-30</p>	<p><b>[11] 2,926,113</b> [13] C</p> <p>[51] Int.Cl. E01F 9/627 (2016.01) E01F 15/00 (2006.01)</p> <p>[25] EN</p> <p>[54] IMPROVED PARKING BARRIER SYSTEM AND POST</p> <p>[54] SYSTEME DE BARRIERE DE STATIONNEMENT AMELIOREE ET POTEAU</p> <p>[72] PAVEY, PETER, AU</p> <p>[73] INDUSTRIAL GALVANIZERS CORPORATION PTY LTD, AU</p> <p>[86] (2926113)</p> <p>[87] (2926113)</p> <p>[22] 2016-04-06</p> <p>[30] AU (2015261682) 2015-11-27</p>
<p><b>[11] 2,922,784</b> [13] C</p> <p>[51] Int.Cl. B65D 90/48 (2006.01)</p> <p>[25] EN</p> <p>[54] SOLIDS LEVEL INDICATOR</p> <p>[54] INDICATEUR DE NIVEAU DE SOLIDES</p> <p>[72] KAIPAINEN, VESA, FI</p> <p>[72] POPE, SCOTT ARTHUR, US</p> <p>[72] VOGEL, KEITH, US</p> <p>[73] ANDRITZ INC., US</p> <p>[86] (2922784)</p> <p>[87] (2922784)</p> <p>[22] 2016-03-04</p> <p>[30] US (62/128,580) 2015-03-05</p> <p>[30] US (15/058,734) 2016-03-02</p>	<p><b>[11] 2,928,308</b> [13] C</p> <p>[51] Int.Cl. C12Q 1/37 (2006.01) G01N 33/543 (2006.01) G01N 33/573 (2006.01)</p> <p>[25] EN</p> <p>[54] DETECTION OF CLEAVAGE ACTIVITY OF AN ENZYME</p> <p>[54] DETECTION DE L'ACTIVITE DE COUPURE D'UNE ENZYME</p> <p>[72] DAVIS, PAUL, GB</p> <p>[72] PAREKH, GITA, GB</p> <p>[72] SCHOUTEN, JAMES, GB</p> <p>[73] MOLOGIC LIMITED, GB</p> <p>[85] 2016-04-21</p> <p>[86] 2014-10-23 (PCT/GB2014/053171)</p> <p>[87] (WO2015/059487)</p> <p>[30] GB (1318728.1) 2013-10-23</p>	

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  - [25] EN
  - [54] **BISPECIFIC ANTIBODIES SPECIFIC AGAINST BETA-KLOTHO AND FIBROBLAST GROWTH FACTOR RECEPTOR 1**
  - [54] **ANTICORPS BISPECIFIQUES CONTRE LE BETA-KLOTHO ET LE RECEPTEUR FIXANT LESFACTEURS DE CROISSANCE DES FIBROBLASTES**
  - [72] CHEN, YONGMEI, US
  - [72] ERNST, JAMES, US
  - [72] KIM, HOK SEON, US
  - [72] SONODA, JUNICHIRO, US
  - [72] SPIESS, CHRISTOPH, US
  - [72] STAwicki, SCOTT, US
  - [72] WU, YAN, US
  - [73] GENENTECH, INC., US
  - [85] 2016-05-05
  - [86] 2014-12-23 (PCT/US2014/072245)
  - [87] (WO2015/100366)
  - [30] US (61/920,396) 2013-12-23
  - [30] US (62/081,435) 2014-11-18
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[13] C

- [51] Int.Cl. C07K 16/40 (2006.01) A01P 1/00 (2006.01) A61K 39/40 (2006.01) A61L 27/54 (2006.01) A61P 31/04 (2006.01) C07K 16/12 (2006.01) C07K 16/46 (2006.01) C12N 5/16 (2006.01) C12P 21/08 (2006.01) G01N 33/577 (2006.01)
- [25] EN
- [54] **PASSIVE IMMUNIZATION FOR STAPHYLOCOCCUS INFECTIONS**
- [54] **IMMUNISATION PASSIVE POUR INFECTIONS PAR LE STAPHYLOCOCCUS**
- [72] DAISS, JOHN L., US
- [72] SCHWARZ, EDWARD, US
- [72] VARRONE, JOHN J., US
- [72] BRODELL, JAMES, US
- [72] BELLO-IRIZARRY, SHEILA N., US
- [73] UNIVERSITY OF ROCHESTER, US
- [85] 2016-05-17
- [86] 2014-12-15 (PCT/US2014/070337)
- [87] (WO2015/089502)
- [30] US (61/915,953) 2013-12-13

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[13] C

- [51] Int.Cl. C07K 16/24 (2006.01) A61K 39/395 (2006.01) C07K 16/46 (2006.01)
  - [25] EN
  - [54] **ANTIBODIES COMPRISING AN ANTIGEN-BINDING SITE THAT SPECIFICALLY BINDS TO TWO DIFFERENT EPITOPE AND METHODS OF MAKING THEM**
  - [54] **ANTICORPS COMPRENANT UN SITE DE LIAISON D'ANTIGENES SE LIANT PRECISEMENT A DEUX DETERMINANTS ANTIGENIQUES DIFFERENTS, ET METHODES DE PRODUCTION**
  - [72] FUH, GERMAINE, US
  - [72] LEE, CHINGWEI V., US
  - [72] KOENIG, PATRICK, US
  - [73] GENENTECH, INC., US
  - [85] 2016-05-18
  - [86] 2014-12-18 (PCT/US2014/071193)
  - [87] (WO2015/095539)
  - [30] US (61/919,552) 2013-12-20
  - [30] US (61/946,547) 2014-02-28
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[13] C

- [51] Int.Cl. A61C 7/12 (2006.01) A61C 7/00 (2006.01)
- [25] EN
- [54] **TOOTH POSITIONING APPLIANCE WITH CURVED INTERCONNECTING ELEMENTS**
- [54] **APPAREIL DE POSITIONNEMENT DE DENT COMPORTEANT DES ELEMENTS D'INTERCONNEXION COURBES**
- [72] MARTZ, MARTIN G., US
- [72] MARTZ, ANDREW S., US
- [73] MARTZ, MARTIN G., US
- [73] MARTZ, ANDREW S., US
- [86] (2932100)
- [87] (2932100)
- [22] 2016-06-03

**[11] 2,932,310**

[13] C

- [51] Int.Cl. G06F 17/00 (2019.01) G06F 16/35 (2019.01) G06N 20/00 (2019.01) G06F 7/00 (2006.01)
- [25] EN
- [54] **SYSTEM AND METHOD FOR AUTOMATING INFORMATION ABSTRACTION PROCESS FOR DOCUMENTS**
- [54] **SISTÈME ET MÉTHODE SERVANT À L'AUTOMATISATION DE PROCÉDÉ D'ABSTRACTION D'INFORMATION DE DOCUMENTS**
- [72] SENGUPTA, SHUBHASHIS, IN
- [72] MOHAMEDRASHEED, ANNERRAVAZ KARUKAPADATH, IN
- [72] LAKSHMINARASIMHAN, CHAKRAVARTHY, IN
- [72] KAPUR, MANISHA, IN
- [72] GEORGE, JOVIN, IN
- [72] SRIVASTAVA, MANSI, IN
- [72] SUMANTH, VAIDYA, IN
- [72] NATRAJAN, RAJEH GANESH, IN
- [72] SWAMY, SIDDESHA, IN
- [73] ACCENTURE GLOBAL SERVICES LIMITED, IE
- [86] (2932310)
- [87] (2932310)
- [22] 2016-06-06
- [30] IN (2920/CHE/2015) 2015-06-10
- [30] US (14/836,659) 2015-08-26

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- [51] Int.Cl. C40B 40/08 (2006.01) B82Y 5/00 (2011.01) B82Y 15/00 (2011.01) B82Y 40/00 (2011.01) B01J 19/12 (2006.01) B32B 37/24 (2006.01) B32B 38/06 (2006.01) B32B 38/10 (2006.01) B82B 3/00 (2006.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01) C40B 30/04 (2006.01) C40B 40/00 (2006.01) C40B 50/14 (2006.01) G01N 33/483 (2006.01) G02F 1/39 (2006.01) H01L 29/12 (2006.01) H03F 3/04 (2006.01) C07H 21/00 (2006.01)
- [25] EN
- [54] STRUCTURED SUBSTRATES FOR IMPROVING DETECTION OF LIGHT EMISSIONS AND METHODS RELATING TO THE SAME
- [54] SUBSTRATS STRUCTURES PERMETTANT D'AMELIORER LA DETECTION DES EMISSIONS DE LUMIERE ET PROCEDES SE RAPPORTANT A CES DERNIERS
- [72] BOWEN, M. SHANE, US  
[72] VENKATESAN, BALA MURALI, US  
[72] HAN, HUI, US  
[72] PARK, SANG RYUL, US  
[73] ILLUMINA, INC., US  
[85] 2016-06-09  
[86] 2014-12-23 (PCT/US2014/072256)  
[87] (WO2015/100373)  
[30] US (61/920,244) 2013-12-23

**[11] 2,934,588**  
[13] C

- [51] Int.Cl. G06Q 10/063 (2023.01)
- [25] EN
- [54] COMPUTER-IMPLEMENTED METHODS OF ANALYZING SPATIAL, TEMPORAL AND CONTEXTUAL DATA FOR PREDICTIVE DECISION-MAKING
- [54] PROCEDES MIS EN OEUVRE PAR ORDINATEUR PERMETTANT D'ANALYSER DES DONNEES SPATIALES, TEMPORELLES ET CONTEXTUELLES POUR UNE PRISE DE DECISION PREDICTIVE
- [72] BLOOMQUIST, KIRK E., US  
[72] PARK, CHRISTOPHER, US  
[72] GROSECLOSE, DENNIS W., US  
[73] TRANVOYANT LLC, US  
[85] 2016-03-24  
[86] 2014-09-26 (PCT/US2014/057670)  
[87] (WO2015/048412)  
[30] US (14/039,771) 2013-09-27

**[11] 2,934,867**  
[13] C

- [51] Int.Cl. C22C 38/40 (2006.01) B01J 19/02 (2006.01) B22F 3/15 (2006.01) F28F 9/02 (2006.01) F28F 21/08 (2006.01)
- [25] EN
- [54] CORROSION RESISTANT DUPLEX STEEL ALLOY, OBJECTS MADE THEREOF, AND METHOD OF MAKING THE ALLOY
- [54] ALLIAGE D'ACIER DUPLEX RESISTANT A LA CORROSION, OBJETS CONSTITUÉS DE CELUI-CI ET PROCEDE DE FABRICATION DE L'ALLIAGE
- [72] LARSSON, LINN, SE  
[72] GULLBERG, DANIEL, SE  
[72] KIVISAKK, ULF, SE  
[72] OSTLUND, MARTIN, SE  
[72] SCHEERDER, ALEXANDER ALEIDA ANTONIUS, NL  
[73] STAMICARBON B.V., NL  
[85] 2016-06-22  
[86] 2014-12-23 (PCT/NL2014/050902)  
[87] (WO2015/099530)  
[30] EP (13199704.1) 2013-12-27

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[13] C

- [51] Int.Cl. B32B 13/00 (2006.01) B32B 37/15 (2006.01)
- [25] EN
- [54] APPARATUS AND METHOD FOR CONSTRUCTING BUILDING BOARDS USING LOW FRICTION SURFACES
- [54] APPAREIL ET PROCEDE DE FABRICATION DE PANNEAUX DE CONSTRUCTION UTILISANT DES SURFACES A FAIBLE FROTTEMENT
- [72] HAUBER, ROBERT J., US  
[72] BOYDSTON, GERALD D., US  
[72] FRAILEY, NATHAN GREGORY, US  
[72] FAHEY, MICHAEL P., US  
[72] WILTZIUS, BRYAN J., US  
[72] BRIDENSTINE, JOHN M., US  
[73] SAINT-GOBAIN PLACO SAS, FR  
[85] 2016-06-30  
[86] 2015-01-12 (PCT/US2015/010968)  
[87] (WO2015/106182)  
[30] US (14/153,156) 2014-01-13

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[13] C

- [51] Int.Cl. C07K 19/00 (2006.01) A61P 3/00 (2006.01) C07K 14/705 (2006.01) C12N 9/16 (2006.01) C12N 15/62 (2006.01)
- [25] EN
- [54] P97-IDS FUSION PROTEINS
- [54] PROTEINES DE FUSION P97-IDS
- [72] VITALIS, TIMOTHY Z., CA  
[72] GABATHULER, REINHARDT, CA  
[73] BIOASIS TECHNOLOGIES, INC., CA  
[85] 2016-06-30  
[86] 2015-02-12 (PCT/US2015/015662)  
[87] (WO2015/126729)  
[30] US (61/941,896) 2014-02-19

**[11] 2,938,366**  
[13] C

- [51] Int.Cl. A61K 38/17 (2006.01)
- [25] EN
- [54] NEW PHARMACEUTICAL COMPOSITIONS AND THEIR USE FOR THE TREATMENT OF AUTOIMMUNE DISORDERS
- [54] NOUVELLES COMPOSITIONS PHARMACEUTIQUES ET LEUR UTILISATION POUR LE TRAITEMENT DE TROUBLES AUTO-IMMUNS
- [72] HUARD, BERTRAND, FR  
[72] LALIVE, PATRICE, CH  
[73] UNIVERSITE GRENOBLE ALPES, FR  
[85] 2016-07-29  
[86] 2015-03-13 (PCT/EP2015/055371)  
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[30] EP (14305362.7) 2014-03-13

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[13] C

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A61P 37/04 (2006.01) C07K 17/02 (2006.01) C12N 15/31 (2006.01)
- [25] EN
- [54] **MODIFIED MENINGOCOCCAL FHBP POLYPEPTIDES**
- [54] **POLYPEPTIDES FHBP MENINGOCOCCIALES MODIFIES**
- [72] BOTTOMLEY, MATTHEW, IT
- [72] MALITO, ENRICO, IT
- [72] MARTINELLI, MANUELE, IT
- [72] SCARSELLI, MARIA, IT
- [73] GLAXOSMITHKLINE BIOLOGICALS SA, BE
- [85] 2016-08-23
- [86] 2015-02-27 (PCT/EP2015/054174)
- [87] (WO2015/128480)
- [30] EP (14157399.8) 2014-02-28
- [30] EP (14177566.8) 2014-07-17

[11] **2,940,682**

[13] C

- [51] Int.Cl. F27D 1/16 (2006.01)
- [25] EN
- [54] **BLAST FURNACE HEARTH REPAIR MATERIAL**
- [54] **MATERIAU DE REPARATION DE SOLE DE HAUT FOURNEAU**
- [72] HERSHY, RYAN, US
- [73] VESUVIUS U S A CORPORATION, US
- [85] 2016-08-25
- [86] 2015-01-21 (PCT/US2015/012204)
- [87] (WO2015/142417)
- [30] US (61/968,423) 2014-03-21

[11] **2,941,601**

[13] C

- [51] Int.Cl. A42B 3/06 (2006.01) A42B 3/04 (2006.01)
- [25] EN
- [54] **IMPACT ABSORPTION PADDING FOR CONTACT SPORTS HELMETS**
- [54] **COUSSINET D'ABSORPTION D'IMPACT DESTINE AUX CASQUES DE SPORTS DE CONTACT**
- [72] KUNTZ, CARL, CA
- [73] KUNTZ, CARL, CA
- [86] (2941601)
- [87] (2941601)
- [22] 2016-09-09
- [30] US (62/294,356) 2016-02-12

[11] **2,943,857**

[13] C

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C07K 16/18 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) G01N 33/53 (2006.01)
- [25] EN
- [54] **ANTIBODIES AGAINST HPA-1A**
- [54] **ANTICORPS ANTI-HPA-1A**
- [72] MICHAELSEN, TERJE, NO
- [72] IHLE, OISTEIN, NO
- [72] STUGE, TOR BRYNJAR, NO
- [72] HUSEBEKK, ANNE, NO
- [72] TILLER, HEIDI, NO
- [72] EKSTEEN, MARIANA, NO
- [72] SKOGEN, BJORN RAGNAR, NO
- [73] RALLYBIO IPA, LLC, US
- [85] 2016-09-26
- [86] 2015-03-31 (PCT/EP2015/057102)
- [87] (WO2015/150417)
- [30] GB (1405775.6) 2014-03-31
- [30] GB (1417614.3) 2014-10-06

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[13] C

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C07K 14/075 (2006.01) C12N 7/01 (2006.01) C12N 15/34 (2006.01) C12N 15/62 (2006.01)
- [25] EN
- [54] **ADENOVIRUS COMPRISING AN ALBUMIN-BINDING MOIETY**
- [54] **ADENOVIRUS COMPRENANT UN FRAGMENT DE LIAISON A L'ALBUMINE**
- [72] ALEMANY BONASTRE, RAMON, ES
- [72] ROJAS EXPOSITO, LUIS ALFONSO, ES
- [73] FUNDACIO INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL), ES
- [73] INSTITUT CATALA D'ONCOLOGIA (ICO), ES
- [85] 2016-10-21
- [86] 2015-04-30 (PCT/EP2015/059593)
- [87] (WO2015/166082)
- [30] EP (14382162.7) 2014-04-30

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- [54] **COLOURED MIRROR**
- [54] **MIROIR COLORE**
- [72] BON SAINT COME, YEMINA, FR
- [72] MEUNIER, ELODIE, FR
- [72] GEORGES, BENOIT, AE
- [72] MOREAU, VIRGINIE, FR
- [73] SAINT-GOBAIN GLASS FRANCE, FR
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- [54] **SANDWICH ELEMENT**
- [54] **ELEMENT DE SANDWICH**
- [72] HARMS, ANDREAS, DE
- [72] HOFFMANN, MATTHIAS, DE
- [73] DIEHL AVIATION LAUPHEIM GMBH, DE
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- [54] **CONTINUOUS METHOD FOR PRODUCING PRE-INSULATED PIPING**
- [54] **METHODE CONTINUE DE PRODUCTION DE TUYAUTERIE PRE-ISOLEE**
- [72] KEYES, THOMAS JOSEPH, US
- [73] THERMACOR PROCESS, INC., US
- [86] (2950860)
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- [22] 2016-12-07
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  - [54] **AUBE DE TURBINE A EPAISSEUR ASYMETRIQUE**
  - [72] MUNTS, EDWIN ALBERT, NL
  - [73] IHC HOLLAND IE B.V., NL
  - [85] 2017-02-24
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  - [54] **MACHINE FOR PRODUCING TUBES BY WINDING STRIP MATERIAL AROUND A FORMING MANDREL**
  - [54] **MACHINE POUR PRODUIRE DES TUBES PAR ENROULEMENT DE MATERIAU EN BANDE AUTOUR D'UN MANDRIN DE FORMATION**
  - [72] DETTORI, DANIELE, IT
  - [72] BERTOLI BARSOtti, GIOVANNI, IT
  - [72] PARDINI, GIONATA, IT
  - [73] MAXIMA S.R.L., IT
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  - [72] STANLEY, DR. ANTHONY G., US
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  - [54] **CANTINE CHAUFFABLE**
  - [72] ANERINO, DANIEL J., US
  - [73] ANERINO, DANIEL J., US
  - [86] (2960796)
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  - [54] **SOURCE D'ALIMENTATION POUR RECHAUFFEUR A GAZ A ARC ELECTRIQUE**
  - [72] OSTERMEYER, JOHN, BE
  - [72] HEULENS, JEROEN, BE
  - [73] UMICORE, BE
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  - [54] **INJECTION OF WATER IN ELECTROCHEMICAL SYSTEMS**
  - [54] **INJECTION D'EAU DANS DES SYSTEMES ELECTROCHIMIQUES**
  - [72] MILNES, THOMAS B., US
  - [72] MCKAY, IAN, US
  - [72] HUMPLIK, THOMAS, US
  - [73] L3HARRIS OPEN WATER POWER, INC., US
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  - [54] **CANNABINOID COMPOSITION AND METHOD FOR TREATING PAIN**
  - [54] **COMPOSITION CANNABINOIDE ET METHODE DE TRAITEMENT DE LA DOULEUR**
  - [72] MUKUNDA, RAMACHANDRA, US
  - [72] KRISHNA, RANGA CHELVA, US
  - [73] INDIA GLOBALIZATION CAPITAL, INC., US
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- [54] **MICRONIZED EGGSHELL MEMBRANE PARTICLES AND THE USE THEREOF TO PROMOTE THE HEALING OF WOUNDS**
- [54] **PARTICULES DE MEMBRANE DE COQUELILLE D'OEUF MICRONISEE ET LEUR UTILISATION POUR FAVORISER LA CICATRISATION DES PLAIES**
- [72] SCHMIDT, RALF, NO
- [72] SUSO, HENRI-PIERRE, NO
- [72] KENNY, ENDA, IE
- [73] BIOVOTEC AS, NO
- [85] 2017-04-04
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 [54] **BIPOLAR PLATE COMPRISING GRAPHENE-LIKE COATING FOR ELECTROCHEMICAL CELLS AND PRODUCTION METHOD THEREFOR**  
 [54] **PLAQUE BIPOLAIRE COMPORTANT UN REVETEMENT SEMBLABLE AU GRAPHENE POUR CELLULES ELECTROCHIMIQUES ET PROCEDE DE FABRICATION**  
 [72] WEISSBECKER, VITALI, DE  
 [72] LEHNERT, WERNER, DE  
 [72] REIMER, UWE, DE  
 [73] FORSCHUNGSZENTRUM JULICH GMBH, DE  
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 [54] **FINANCIAL STATUS DISPLAY**  
 [54] **DISPOSITIF D'AFFICHAGE D'ETAT FINANCIER**  
 [72] KOEPPEL, ADAM R., US  
 [72] NIDERBERG, ALEX L., US  
 [73] CAPITAL ONE SERVICES, LLC, US  
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 [54] **ARMOIRE D'AERONEF DOTEE DE PANNEAUX EXTERNES DETACHABLES ET MECANISME DE FIXATION ASSOCIE**  
 [72] ROCAMORA, YVAN, CA  
 [72] PERROTTA, PASQUO, CA  
 [72] CHARLEBOIS, FREDERIC, CA  
 [72] HOULE, MATHIEU, CA  
 [72] BHARAJ, SURINDER, CA  
 [72] BEAUPARLANT, JONATHAN, CA  
 [73] BOMBARDIER INC., CA  
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 [86] 2015-10-29 (PCT/IB2015/058368)  
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 [54] **T CELL RECEPTORS DIRECTED AGAINST BOB1 AND USES THEREOF**  
 [54] **RECEPTEURS DE CELLULES T DIRIGEES CONTRE BOB1 ET LEURS UTILISATIONS**  
 [72] HEEMSKERK, MIRJAM H.M., NL  
 [72] FALKENBURG, J.H. FREDERIK, NL  
 [73] ACADEMISCH ZIEKENHUIS LEIDEN (H.O.D.N. LUMC), NL  
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 [54] **METHODES DE FABRICATION DE COMPOSANTES COULEES A CANAUX DE REFROIDISSEMENT**  
 [72] BULGRIN, CHARLES ALAN, US  
 [72] RUSSO, CARL R., US  
 [72] KUSH, MATTHEW T., US  
 [73] ROLLS-ROYCE CORPORATION, US  
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 [54] **DRILLING RIG**  
 [54] **INSTALLATION DE FORAGE**  
 [72] ROSANO, HUGO LEONARDO, NO  
 [72] TRYDAL, STIG VIDAR, NO  
 [72] HAAVIND, ERIK, NO  
 [72] JENSEN, FRODE, NO  
 [73] NATIONAL OILWELL VARCO NORWAY AS, NO  
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  - [54] DERIVES D'ACIDE BILIAIRE UTILISES COMME AGONISTES DE FXR/TGR5 ET LEURS PROCEDES D'UTILISATION
  - [72] WANG, GUOQIANG, US
  - [72] OR, YAT SUN, US
  - [72] SHEN, RUICHAO, US
  - [72] LONG, JIANG, US
  - [72] DAI, PENG, US
  - [72] XING, XUECHAO, US
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- [54] SEPARATEUR CENTRIFUGE
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- [72] HOFFMAN, HUGH J., US
- [72] NOWAK, AMBER D., US
- [72] SLOWIK, STEVEN C., US
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- [73] EXTRACTOR CORPORATION, US
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  - [72] GOLETTA, VALERIE, FR
  - [73] SAINT-GOBAIN ISOVER, FR
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  - [54] POUDRE DE LAIT A SENSATION EN BOUCHE AMELIOREE
  - [72] KREUSS, MARKUS, CH
  - [72] ROHRER, NICOLE, CH
  - [72] SCHMITT, CHRISTOPHE JOSEPH ETIENNE, CH
  - [72] KOLODZIEJCZYK, ERIC, CH
  - [72] VAGHELA, MADANSINH NATHUSINH, US
  - [73] SOCIETE DES PRODUITS NESTLE S.A., CH
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  - [54] SYSTEME DE DETERMINATION DE POSITION POUR UN ASCENSEUR
  - [72] BITZI, RAPHAEL, CH
  - [72] SCHERRER, DANIEL, CH
  - [72] BROSSI, STEVEN, CH
  - [73] INVENTIO AG, CH
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  - [72] BUSSIERE, STEPHANE ERIC, CA
  - [72] APPS, CHRISTOPHER PAUL, CA
  - [73] C-FER TECHNOLOGIES (1999) INC., CA
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  - [73] GROUNDPROBE PTY LTD, AU
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  - [54] SYSTEME OPTIQUE ET PROCEDE DE CARACTERISATION D'IMPULSION LASER ULTRACOURTE
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  - [72] COJOCARU, CRINA MARIA, ES
  - [72] SOLA LARRANAGA, INIGO JUAN, ES
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  - [72] HERTEL, CHRISTOPH, DE
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ANALOG AND DIGITAL AUDIO  
BLEND FOR HD RADIO  
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[72] DOMAZETOVIC, ANDREJ, RS  
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[72] VALTONEN, TUOMAS, FI  
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[25] EN  
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DEVICE AND PROCESS FOR  
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[54] DISPOSITIF DE TRANSMISSION  
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[54] SYSTEME DE FREINAGE POUR  
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- [25] EN
- [54] SELF-REPAIRING AND SELF-SEALING WATERPROOF MEMBRANE, FOR INSULATING BUILT STRUCTURES SUBJECTED TO HYDROSTATIC PRESSURE
- [54] MEMBRANE AUTOREPARABLE ET AUTO-OBTURANTE ETANCHE A L'EAU, SERVANT A ISOLER DES STRUCTURES BATIES SOUMISES A UNE PRESSION HYDROSTATIQUE
- [72] GUDERZO, MARCO, IT
- [73] VOLTECO S.P.A., IT
- [85] 2017-09-15
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- [87] (WO2016/146709)
- [30] IT (MI2015A000403) 2015-03-17
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- [25] EN
- [54] THERMOELECTRIC TEMPERATURE CONTROLLED COOLER FOR BIOMEDICAL APPLICATIONS
- [54] REFRIGERISSEUR A REGULATION DE TEMPERATURE THERMOELECTRIQUE POUR APPLICATIONS BIOMEDICALES
- [72] VERGARA, JULIO L., US
- [72] PADULA, ANDREW, US
- [72] RESTREPO, LUCAS, US
- [73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
- [85] 2017-09-22
- [86] 2016-03-28 (PCT/US2016/024501)
- [87] (WO2016/160691)
- [30] US (62/139,676) 2015-03-28
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- [25] EN
- [54] BONE GRAFT CAGE
- [54] LOGEMENT POUR GREFFE OSSEUSE
- [72] LARSEN, SCOTT, US
- [72] HAMEL, ROSS, US
- [72] PIERSON, GLEN, US
- [73] DEPUY SYNTHES PRODUCTS, INC., US
- [85] 2017-09-28
- [86] 2016-02-24 (PCT/US2016/019315)
- [87] (WO2016/160183)
- [30] US (14/675,313) 2015-03-31
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[13] C

- [51] Int.Cl. A61F 2/04 (2013.01) A61N 1/40 (2006.01)
- [25] EN
- [54] COIL APPARATUS FOR USE IN TRANSCRANIAL MAGNETIC STIMULATION APPARATUS
- [54] APPAREIL DE BOBINE A UTILISER DANS UN APPAREIL DE STIMULATION MAGNETIQUE TRANSCRANIENNE
- [72] SAITO, YOICHI, JP
- [72] SEKINO, MASAKI, JP
- [72] YAMAMOTO, KEITA, JP
- [73] THE UNIVERSITY OF TOKYO, JP
- [73] OSAKA UNIVERSITY, JP
- [85] 2017-09-29
- [86] 2016-03-30 (PCT/JP2016/060492)
- [87] (WO2016/159139)
- [30] US (62/142380) 2015-04-02
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23/00 (2006.01)  
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[54] APPARATUS FOR USE IN A  
TRACTOR IN A WELLBORE AND  
METHODS  
[54] APPAREIL DESTINE A ETRE  
UTILISE DANS UN TRACTEUR  
DANS UN PUITS DE FORAGE ET  
PROCEDES CORRESPONDANTS  
[72] MCINALLY, GERALD, NO  
[73] QINTERRA TECHNOLOGIES AS,  
NO  
[85] 2017-09-29  
[86] 2016-03-31 (PCT/NO2016/050059)  
[87] (WO2016/159780)  
[30] NO (20150395) 2015-04-01

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[54] DEFORMATION MEASURING  
TORQUE METER  
[54] COUPEMETRE A MESURE DE  
DEFORMATION  
[72] FULLERINGER, BENJAMIN, FR  
[72] BUENO, ARMAND, FR  
[72] CAZAUX, YANNICK, FR  
[73] SAFRAN HELICOPTER ENGINES,  
FR  
[85] 2017-10-18  
[86] 2016-04-20 (PCT/FR2016/050916)  
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[13] C

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[25] EN  
[54] CV JOINT FOR DRILLING  
MOTOR AND METHOD  
[54] JOINT CV POUR MOTEUR DE  
FORAGE ET PROCEDE  
[72] VON GYNZ-REKOWSKI, GUNTHER  
HH, US  
[72] HERBEN, WILLIAM C., US  
[73] RIVAL DOWNHOLE TOOLS LC, US  
[85] 2017-10-18  
[86] 2016-04-14 (PCT/US2016/027400)  
[87] (WO2016/178805)  
[30] US (14/702,324) 2015-05-01

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[25] EN  
[54] GAS-TIGHT LOW GRAVITY  
SEPARATION DEVICE  
[54] DISPOSITIF DE SEPARATION A  
FAIBLE GRAVITE ETANCHE AU  
GAZ  
[72] ROSS, STAN, CA  
[72] SCALLEY, MATTHEW, CA  
[73] RECOVER ENERGY SERVICES  
INC., CA  
[86] (2983841)  
[87] (2983841)  
[22] 2017-10-26  
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[13] C

[51] Int.Cl. B32B 5/02 (2006.01) A63B 6/00  
(2006.01) A63B 21/00 (2006.01) B32B  
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B32B 5/26 (2006.01) B32B 7/06  
(2019.01) D03D 11/00 (2006.01)  
[25] EN  
[54] A FABRIC ARTICLE  
[54] ARTICLE EN TISSU  
[72] KALATI, RITESH, IN  
[73] KALATI, RITESH, IN  
[85] 2017-10-26  
[86] 2016-04-28 (PCT/IN2016/000108)  
[87] (WO2016/174684)  
[30] IN (1693/MUM/2015) 2015-04-28

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[11] **2,984,502**

[13] C

[51] Int.Cl. B25J 5/02 (2006.01) B02C  
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[25] EN  
[54] SUSPENSION AND GUIDANCE  
APPARATUS FOR TOOLS AND  
PLATFORMS RELATIVE TO A  
MILL  
[54] APPAREIL DE SUSPENSION ET  
DE GUIDAGE POUR OUTILS ET  
PLATEFORMES ASSOCIES A UN  
BROYEUR  
[72] RUBIE, PETER JOHN, AU  
[73] RUSSELL MINERAL EQUIPMENT  
PTY LTD, AU  
[85] 2017-10-31  
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[13] C

[51] Int.Cl. C07D 471/04 (2006.01) A61K  
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[25] EN  
[54] A CASEIN KINASE 1 DELTA  
INHIBITOR  
[54] INHIBITEUR DE LA CASEINE  
KINASE 1 DELTA  
[72] PIKE, IAN H., GB  
[72] KUHN, KARSTEN, GB  
[72] KIENLE, STEFAN, GB  
[72] HAMILTON, WILLIAM D.O., GB  
[72] HEAL, JONATHAN R., GB  
[72] SHERIDAN, JOSEPH M., GB  
[73] ELECTROPHORETICS LIMITED, GB  
[85] 2017-11-03  
[86] 2016-05-13 (PCT/EP2016/060918)  
[87] (WO2016/180981)  
[30] GB (1508276.1) 2015-05-14  
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[11] **2,985,321**

[13] C

[51] Int.Cl. A47J 31/46 (2006.01) A47J  
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[25] EN  
[54] DELIVERY UNIT FOR AN  
APPARATUS FOR MAKING A  
BEVERAGE AND APPARATUS  
COMPRISING THAT DELIVERY  
UNIT  
[54] UNITE DE DISTRIBUTION POUR  
UN APPAREIL DE PREPARATION  
DE BOISSON, ET APPAREIL  
COMPRENANT CETTE UNITE DE  
DISTRIBUTION  
[72] PAOLETTI, LUCIANO, IT  
[72] ZACCANTI, GIOVANNI, IT  
[73] CAFFITALY SYSTEM S.P.A., IT  
[85] 2017-11-07  
[86] 2016-05-13 (PCT/IB2016/052786)  
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[30] IT (102015000050735) 2015-09-11

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<p style="text-align: right;">[11] <b>2,986,762</b>  [13] C</p> <p>[51] Int.Cl. C08J 9/12 (2006.01) C08J 3/20 (2006.01) C08K 3/04 (2006.01) C08L 25/06 (2006.01)  [25] EN  [54] EXTRUDED POLYSTYRENE FOAM  [54] MOUSSE DE POLYSTYRENE EXTRUDE  [72] HAN, XIANGMIN, US  [72] DELAVIZ, YADOLLAH, US  [72] BOUDREAUX, CHASE J., US  [72] WEEKLEY, MITCHELL ZANE, US  [72] TURNER, CHRISTINE, US  [73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US  [85] 2017-11-21  [86] 2016-05-25 (PCT/US2016/034012)  [87] (WO2016/196100)  [30] US (62/167,949) 2015-05-29</p>	<p style="text-align: right;">[11] <b>2,987,998</b>  [13] C</p> <p>[51] Int.Cl. B44C 1/17 (2006.01) B41F 16/00 (2006.01) B44B 5/02 (2006.01)  [25] EN  [54] METHOD AND DEVICE FOR TRANSFERRING A DECORATIVE SEGMENT OF AN EMBOSSED FILM  [54] PROCEDE ET DISPOSITIF DE TRANSFERT D'UNE PORTION DECORATIVE D'UN FILM A GAUFRE  [72] BURKHARDT, MARKUS, DE  [72] MANNSFELD, TIBOR, DE  [72] AMMON, GERHARD, DE  [72] LOCHNER, THOMAS, DE  [73] LEONHARD KURZ STIFTUNG &amp; CO. KG, DE  [73] HINDERER + MUHLICH GMBH &amp; CO. KG, DE  [85] 2017-12-01  [86] 2016-05-31 (PCT/EP2016/062291)  [87] (WO2016/206926)  [30] DE (10 2015 110 077.0) 2015-06-23  [30] DE (10 2015 116 514.7) 2015-09-29  [30] DE (10 2015 119 888.6) 2015-11-17</p>	<p style="text-align: right;">[11] <b>2,989,239</b>  [13] C</p> <p>[51] Int.Cl. C07C 267/00 (2006.01) C08G 18/02 (2006.01)  [25] EN  [54] METHOD FOR THE SYNTHESIS OF POLYMER CARBODIIMIDES WITH ADDED CESIUM SALTS, POLYMER CARBODIIMIDES, USE THEREOF  [54] PROCEDE DE FABRICATION DE CARBODIIMIDES POLYMERES AVEC AJOUT DE SELS DE CESIUM, POLYMERES CARBODIIMIDES ET LEUR UTILISATION  [72] LAUFER, WILHELM, DE  [72] HERD, OLIVER, DE  [72] SPERBER, ROLF, DE  [73] LANXESS DEUTSCHLAND GMBH, DE  [85] 2017-12-12  [86] 2016-06-14 (PCT/EP2016/063601)  [87] (WO2016/202781)  [30] EP (15172169.3) 2015-06-15</p>

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[13] C

[51] Int.Cl. A61K 31/216 (2006.01) A61K 31/41 (2006.01) A61K 45/06 (2006.01)

[25] EN

[54] STIMULATORS AND/OR ACTIVATORS OF SOLUBLE GUANYLATE CYCLASE (SGC) IN COMBINATION WITH AN INHIBITOR OF NEUTRAL ENDOPEPTIDASE (NEP INHIBITOR) AND/OR AN ANGIOTENSIN II ANTAGONIST AND THE USE THEREOF

[54] STIMULATEURS ET/OU ACTIVATEURS DE LA GUANYLATE-CYCLASE SOLUBLE (SGC) EN ASSOCIATION AVEC UN INHIBITEUR DE L'ENDOPEPTIDASE NEUTRE (INHIBITEUR NEP) ET/OU DES ANTAGONISTES D'UNE ANGIOTENSINE II ET LEUR UTILISATION

[72] MARQUARDT, TOBIAS, DE

[72] FOLLMANN, MARKUS, DE

[72] STASCH, JOHANNES-PETER, IT

[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE

[85] 2017-12-15

[86] 2016-07-15 (PCT/EP2016/066891)

[87] (WO2017/013010)

[30] EP (15178141.6) 2015-07-23

[11] **2,990,466**

[13] C

[51] Int.Cl. H01L 27/144 (2006.01) G01J 1/44 (2006.01) G01T 1/24 (2006.01) G06F 13/38 (2006.01) H01L 31/107 (2006.01)

[25] EN

[54] SPAD ARRAY STRUCTURES AND METHODS OF OPERATION

[54] STRUCTURES DE RESEAU SPAD ET PROCEDES DE FONCTIONNEMENT

[72] DELIC, DENNIS VICTOR, AU

[73] THE COMMONWEALTH OF AUSTRALIA, AU

[85] 2017-12-21

[86] 2016-07-08 (PCT/AU2016/000247)

[87] (WO2017/004663)

[30] AU (2015902699) 2015-07-08

[11] **2,990,987**

[13] C

[51] Int.Cl. G21C 1/09 (2006.01) G21C 1/32 (2006.01) G21C 13/02 (2006.01) G21C 17/116 (2006.01)

[25] FR

[54] NUCLEAR REACTOR WITH HEATING ELEMENTS HOUSED IN THEIR ENTIRETY IN AN INTEGRATED PRESSURISER AND CORRESPONDING METHOD OF USE

[54] REACTEUR NUCLEAIRE AVEC ELEMENTS CHAUFFANTS ENTIEREMENT LOGES DANS UN PRESSURISEUR INTEGRE, PROCEDE D'EXPLOITATION CORRESPONDANT

[72] BRUN, MICHEL, FR

[73] SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE, FR

[85] 2017-12-28

[86] 2016-07-01 (PCT/EP2016/065506)

[87] (WO2017/001663)

[30] FR (15 56218) 2015-07-01

[11] **2,991,101**

[13] C

[51] Int.Cl. A61K 9/107 (2006.01) A61K 38/42 (2006.01) A61K 47/10 (2017.01)

[25] EN

[54] COMPOSITIONS AND METHODS FOR IMPROVED ENCAPSULATION OF FUNCTIONAL PROTEINS IN POLYMERIC VESICLES

[54] COMPOSITIONS ET PROCEDES D'ENCAPSULATION AMELIOREEE DE PROTEINES FONCTIONNELLES DANS DES VESICULES POLYMERES

[72] YEWLE, JIVAN NAMDEO, US

[72] GHOROGHCHIAN, P. PETER, US

[73] POSEIDA THERAPEUTICS, INC., US

[85] 2017-12-28

[86] 2016-07-01 (PCT/US2016/040657)

[87] (WO2017/004498)

[30] US (62/187,942) 2015-07-02

[30] US (15/198,836) 2016-06-30

[11] **2,991,599**

[13] C

[51] Int.Cl. C08L 83/04 (2006.01) C08K 3/36 (2006.01) C08L 83/06 (2006.01) C09K 3/10 (2006.01)

[25] EN

[54] HIGH TEMPERATURE RESISTANT, TWO COMPONENT, LOW VISCOSITY SILICONE COMPOSITION

[54] COMPOSITION SILICONEE, RESISTANTE A HAUTE TEMPERATURE, A DEUX CONSTITUANTS, DE BASSE VISCOSITE

[72] VEROISKY, CHRISTOPHER, US

[72] LANAU, SEBASTIEN, IT

[72] ZAFFARONI, GIORGIO, IT

[73] HENKEL AG & CO. KGAA, DE

[85] 2018-01-05

[86] 2016-06-07 (PCT/US2016/036127)

[87] (WO2017/007560)

[30] US (62/189,251) 2015-07-07

[11] **2,992,108**

[13] C

[51] Int.Cl. B32B 7/12 (2006.01) B32B 27/08 (2006.01) B32B 27/36 (2006.01) B32B 37/12 (2006.01) B65D 65/40 (2006.01)

[25] FR

[54] MULTILAYER FILM FOR RECLOSABLE PET PACKAGING

[54] FILM MULTICOUCHE POUR EMBALLAGE REFERMABLE EN PET

[72] ROBERT, CHRISTOPHE, FR

[72] BRESTAZ, MARC, FR

[72] SALLET, LUDOVIC, FR

[72] PEYRAS-CARRATTE, JEREMIE, FR

[73] BOSTIK SA, FR

[85] 2018-01-11

[86] 2016-07-12 (PCT/FR2016/051796)

[87] (WO2017/013330)

[30] FR (15.56805) 2015-07-17

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[13] C

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- [25] FR
- [54] FECO ALLOY, FESI ALLOY OR FE SHEET OR STRIP AND PRODUCTION METHOD THEREOF, MAGNETIC TRANSFORMER CORE PRODUCED FROM SAID SHEET OR STRIP, AND TRANSFORMER COMPRISING SAME
- [54] TOLE OU BANDE EN ALLIAGE FECO OU FESI OU EN FE ET SON PROCEDE DE FABRICATION, NOYAU MAGNETIQUE DE TRANSFORMATEUR REALISE A PARTIR D'ELLE ET TRANSFORMATEUR LE COMPORANT
- [72] WAECKERLE, THIERRY, FR
- [72] BAUDIN, THIERRY, FR
- [72] HELBERT, ANNE-LAURE, FR
- [72] HUBERT, OLIVIER, FR
- [72] BATONNET, REMY, FR
- [73] APERAM, LU
- [85] 2018-01-11
- [86] 2016-07-29 (PCT/EP2016/068172)
- [87] (WO2017/017256)
- [30] EP (PCT/EP2015/067443) 2015-07-29
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[13] C

- [51] Int.Cl. G06F 11/36 (2006.01)
- [25] EN
- [54] A SYSTEM AND METHOD FOR USE IN REGRESSION TESTING OF ELECTRONIC DOCUMENT HYPERLINKS
- [54] SYSTEME ET PROCEDE DESTINES A ETRE UTILISES DANS DES TESTS DE REGRESSION D'HYPERLIENS DE DOCUMENTS ELECTRONIQUES
- [72] JOWETT, ROBIN ERIC NICHOLAS, AU
- [73] SOURCE OF TRUE PTY LTD, AU
- [85] 2018-01-16
- [86] 2016-06-14 (PCT/AU2016/050484)
- [87] (WO2016/201495)
- [30] AU (2015902272) 2015-06-15
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[13] C

- [51] Int.Cl. C09K 23/00 (2022.01) C09K 8/584 (2006.01) C09K 8/592 (2006.01) E21B 43/24 (2006.01)
- [25] EN
- [54] MIXED DIMERS FROM ALPHA-OLEFIN SULFONIC ACIDS
- [54] DIMERES MIXTES PROVENANT D'ACIDE ALPHA-OLEFINE SULFONIQUE
- [72] ROJAS, CAROLINA E., US
- [72] DONG, XUE MIN, US
- [72] SANDERS, AARON, US
- [72] DADO, GREGORY P., US
- [73] STEPAN COMPANY, US
- [85] 2018-01-29
- [86] 2016-07-28 (PCT/US2016/044378)
- [87] (WO2017/023665)
- [30] US (62/200,986) 2015-08-04
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[13] C

- [51] Int.Cl. C07K 19/00 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)
- [25] EN
- [54] CHIMERIC ANTIGEN RECEPTORS BASED ON SINGLE-DOMAIN ANTIBODIES AND METHODS OF USE THEREOF
- [54] RECEPTEURS D'ANTIGENES CHIMERIQUES BASES SUR DES ANTICORPS A DOMAINE UNIQUE ET LEURS METHODES D'UTILISATION
- [72] FAN, XIAOHU, CA
- [72] CHOU, CHUAN-CHU, US
- [72] ZHUANG, QIUCHUAN, CN
- [72] WANG, PINGYAN, CN
- [72] WANG, LIN, CN
- [72] YANG, LEI, CN
- [72] HAO, JIAYING, CN
- [73] LEGEND BIOTECH IRELAND LIMITED, IE
- [85] 2018-02-02
- [86] 2016-08-10 (PCT/CN2016/094408)
- [87] (WO2017/025038)
- [30] CN (201510490002.8) 2015-08-11
- [30] CN (201510733585.2) 2015-11-02
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[13] C

- [51] Int.Cl. G02F 1/11 (2006.01) G02F 1/33 (2006.01)
- [25] EN
- [54] ACOUSTO-OPTIC DEFLECTOR WITH LAYERED STRUCTURE AND METHOD FOR DEFLECTING AN OPTICAL BEAM WITH SUCH DEFLECTOR
- [54] DEFLECTEUR ACOUSTO-OPTIQUE A STRUCTURE EN COUCHES ET PROCEDE POUR DEVIER UN FAISCEAU OPTIQUE AVEC UN TEL DEFLECTEUR
- [72] ROZSA, BALAZS, HU
- [72] KATONA, GERGELY, HU
- [72] VERESS, MATE, HU
- [72] MAAK, PAL, HU
- [72] SZALAY, GERGELY, HU
- [73] FEMTONICS KFT, HU
- [85] 2018-02-06
- [86] 2016-05-31 (PCT/HU2016/050020)
- [87] (WO2016/193770)
- [30] HU (P1500264) 2015-06-01
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- [25] EN
- [54] COMPOUNDS AND METHODS FOR INHIBITING JAK
- [54] COMPOSES ET PROCEDES D'INHIBITION DE JAK
- [72] ASTRAND, ANNICA BIRGITTA MARGARETA, SE
- [72] GRIMSTER, NEIL PATRICK, US
- [72] KAWATKAR, SAMEER, US
- [72] KETTLE, JASON GRANT, GB
- [72] NILSSON, MAGNUS K., SE
- [72] RUSTON, LINETTE LYS, GB
- [72] SU, QIBIN, US
- [72] VASBINDER, MELISSA MARIE, US
- [72] WINTER-HOLT, JON JAMES, GB
- [72] WU, DEDONG, US
- [72] YANG, WENZHAN, US
- [72] GRECU, TUDOR, GB
- [72] MCCABE, JAMES, GB
- [72] WOESSNER, RICHARD DONALD, US
- [72] CHUAQUI, CLAUDIO EDMUNDO, US
- [73] DIZAL (JIANGSU) PHARMACEUTICAL CO., LIMITED, CN
- [85] 2018-02-12
- [86] 2016-09-22 (PCT/EP2016/072616)
- [87] (WO2017/050938)
- [30] US (62/232,629) 2015-09-25
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[13] C

- [51] Int.Cl. F16B 2/22 (2006.01) F16B 2/24 (2006.01)  
[25] EN  
[54] CLIP FOR BUNDLED ARTICLES  
[54] PINCE DESTINÉE A DES ARTICLES REGROUPEES  
[72] DESPRES, MICHAEL J., US  
[73] GCK PRODUCTS, LLC, US  
[86] (2996568)  
[87] (2996568)  
[22] 2018-02-26  
[30] US (62/464,421) 2017-02-28
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- [51] Int.Cl. A01G 9/02 (2018.01) A47G 7/00 (2006.01)  
[25] EN  
[54] PLANTING POT AND TRAY SYSTEM AND METHOD  
[54] SYSTEME DE PLATEAU ET JARDINIÈRE, ET METHODE  
[72] DILLER, SCOTT P., US  
[72] LERCEL, MARK S., US  
[73] EAST JORDAN PLASTICS, INC., US  
[86] (2998235)  
[87] (2998235)  
[22] 2018-03-16  
[30] US (62/472197) 2017-03-16
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[13] C

- [51] Int.Cl. B61G 7/04 (2006.01)  
[25] EN  
[54] UNCOUPLING LEVER FOR RAIL CAR WITH BIASING MEMBER  
[54] LEVIER DE DESACCOUPLEMENT DE WAGON DOTE D'UN ELEMENT D'INCLINAISON  
[72] MAKI, BRIAN, US  
[73] IRECO, LLC, US  
[86] (2998932)  
[87] (2998932)  
[22] 2018-03-22  
[30] US (15/475,372) 2017-03-31
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- [51] Int.Cl. C08J 3/18 (2006.01) C08K 5/053 (2006.01) C08L 29/04 (2006.01)  
[25] EN  
[54] PROCESS AND APPARATUS FOR MANUFACTURE OF PROCESSABLE POLYVINYL ALCOHOL  
[54] PROCEDE ET APPAREIL POUR LA FABRICATION D'UN ALCOOL POLYVINYLIQUE POUVANT ETRE TRAITE  
[72] JOHNSON, ANTHONY FRANCIS, GB  
[72] WONG, STEPHEN SIK FAN, GB  
[73] AQUAPAK IP LTD, AF  
[85] 2018-03-16  
[86] 2016-09-16 (PCT/EP2016/072029)  
[87] (WO2017/046361)  
[30] EP (15185965.9) 2015-09-18
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[25] EN  
[54] NCC FILMS AND PRODUCTS BASED THEREON  
[54] FILMS NCC ET PRODUITS A BASE DE CEUX-CI  
[72] SLATTEGARD, RIKARD, IL  
[72] ROTH SHALEV, SIGAL, IL  
[72] AZERRAF, CLARITE, IL  
[72] NEVO, YUVAL, IL  
[73] MELODEA LTD., IL  
[85] 2018-03-16  
[86] 2016-09-15 (PCT/IL2016/051024)  
[87] (WO2017/046798)  
[30] US (62/219, 816) 2015-09-17  
[30] US (62/244, 243) 2015-10-21  
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[54] VALVE  
[54] SOUPAPE  
[72] SATTELBERG, MANFRED, DE  
[72] GOODWIN, MATTHEW STANLEY, GB  
[72] PRESTON, TIMOTHY JAMES, GB  
[72] ROOT, PAUL MICHAEL, GB  
[73] GOODWIN PLC, GB  
[85] 2018-03-19  
[86] 2016-09-29 (PCT/GB2016/053038)  
[87] (WO2017/055856)  
[30] GB (1517368.5) 2015-10-01
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[13] C

- [51] Int.Cl. G07F 11/00 (2006.01) G06Q 20/18 (2012.01) G07F 13/06 (2006.01)  
[25] EN  
[54] DISPENSER CONNECTIVITY  
[54] CONNECTIVITE DE DISTRIBUTEURS  
[72] KIM, KYUSANG, US  
[73] THE COCA-COLA COMPANY, US  
[85] 2018-03-29  
[86] 2016-09-27 (PCT/US2016/053961)  
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[30] US (62/234,078) 2015-09-29

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- [25] EN
- [54] COMBINATION COMPRISING AN AMINOTHIOLESTER COMPOUND OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF AND A COMPOUND ABLE TO INCREASE THE H<sub>2</sub>O<sub>2</sub> LEVEL IN CANCER CELLS OF A SUBJECT
- [54] COMBINAISON COMPRENANT UN COMPOSE AMINOTHIOLESTER OU UN SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CELUI-CI ET UN COMPOSE CAPABLE D'AUGMENTER LE TAUX DE H<sub>2</sub>O<sub>2</sub> DANS DES CELLULES CANCEREUSES D'UN SUJET
- [72] CEYLAN, ISMAIL, FR
- [72] QUASH, GERRY, FR
- [72] PEREZ-ALEA, MILEIDYS, FR
- [72] MARTIN, GUILLAUME, FR
- [73] ADVANCED BIODESIGN, FR
- [85] 2018-04-06
- [86] 2016-10-14 (PCT/EP2016/074682)
- [87] (WO2017/064241)
- [30] EP (15306650.1) 2015-10-15
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[13] C

- [51] Int.Cl. E04G 3/20 (2006.01) E04B 5/00 (2006.01) E04G 1/15 (2006.01) E04G 1/36 (2006.01)
- [25] EN
- [54] A VOID PLATFORM AND A METHOD FOR PROVIDING A PLATFORM SUPPORT ACROSS A BUILDING VOID
- [54] UNE PLATEFORME DE VIDE ET UNE METHODE DE FOURNITURE D'UN SUPPORT DE PLATEFORME TRAVERSANT UN VIDE DE BATIMENT
- [72] JURY, KEVIN, NZ
- [73] VOIDECK IPCO LIMITED, NZ
- [86] (3001228)
- [87] (3001228)
- [22] 2018-04-12
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[13] C

- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 9/19 (2006.01) A61K 38/20 (2006.01) A61K 47/00 (2006.01) A61K 47/20 (2006.01)
- [25] EN
- [54] PHARMACEUTICAL COMPOSITIONS OF IL-2
- [54] COMPOSITIONS PHARMACEUTIQUES D'IL-2
- [72] MARIAU, JEREMIE, FR
- [72] THIRY, MICHEL, BE
- [73] ILTOO PHARMA, FR
- [85] 2018-04-09
- [86] 2016-10-20 (PCT/EP2016/075204)
- [87] (WO2017/068031)
- [30] EP (15306696.4) 2015-10-22
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[13] C

- [51] Int.Cl. E21B 43/12 (2006.01) E21B 47/00 (2012.01) E21B 49/00 (2006.01)
- [25] EN
- [54] METHOD AND SYSTEM FOR THE OPTIMISATION OF THE ADDITION OF DILUENT TO AN OIL WELL COMPRISING A DOWNHOLE PUMP
- [54] PROCEDE ET SYSTEME D'OPTIMISATION DE L'AJOUT DE DILUANT A UN PUITS DE PETROLE COMPRENANT UNE POMPE DE FOND
- [72] PAVLOV, ALEXEY, NO
- [72] FJAESTAD, KJETIL, NO
- [73] EQUINOR ENERGY AS, NO
- [85] 2018-04-16
- [86] 2015-10-22 (PCT/NO2015/000027)
- [87] (WO2017/069633)
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[13] C

- [51] Int.Cl. C09J 11/08 (2006.01)
- [25] EN
- [54] AQUEOUS ADHESIVE COMPOSITIONS WITH IMPROVED STABILITY, USES THEREOF, AND PRODUCTS COMPRISING THE SAME
- [54] COMPOSITIONS D'ADHESIF AQUEUX A STABILITE AMELIOREE, UTILISATIONS CONNEXES ET PRODUITS LES COMPRENANT
- [72] DE BLOCK, RUDOLPH FRANK, NL
- [72] HEUSINKVELD, LEONARD JOHAN, NL
- [73] STRONGBOND B.V., NL
- [85] 2018-04-25
- [86] 2016-10-26 (PCT/NL2016/050743)
- [87] (WO2017/074184)
- [30] NL (2015698) 2015-10-30
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[13] C

- [51] Int.Cl. G02B 5/23 (2006.01) G02B 5/30 (2006.01) G02C 7/10 (2006.01) G02C 7/12 (2006.01)
- [25] EN
- [54] OPTICAL ARTICLES AND METHOD OF PREPARING THE SAME
- [54] ARTICLES OPTIQUES ET LEUR PROCEDE DE PREPARATION
- [72] KUMAR, ANIL, US
- [72] PARK, DAVID JOHN, IE
- [72] SMYTH, BRIAN, IE
- [72] JACKSON, DELWIN S., US
- [72] NGUYEN, HENRY, US
- [72] LIGAS, JOHN S., US
- [72] ANDERSON, LINDA K., US
- [73] TRANSITIONS OPTICAL, INC., US
- [85] 2018-04-27
- [86] 2015-10-30 (PCT/US2015/058385)
- [87] (WO2017/074434)

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[13] C

[51] Int.Cl. A61M 1/28 (2006.01) A61M  
3/02 (2006.01)  
[25] EN  
[54] MEDICAL FLUID PUMPING  
SYSTEMS AND RELATED  
METHODS  
[54] SYSTEMES DE POMPAGE DE  
FLUIDE MEDICAL ET PROCEDES  
ASSOCIES  
[72] EGLEY, BERT D., US  
[73] FRESENIUS MEDICAL CARE  
HOLDINGS, INC., US  
[85] 2018-05-08  
[86] 2016-11-17 (PCT/US2016/062428)  
[87] (WO2017/095636)  
[30] US (14/959,678) 2015-12-04

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[13] C

[51] Int.Cl. H02M 1/32 (2007.01) H02H  
7/12 (2006.01)  
[25] EN  
[54] OVERVOLTAGE PROTECTION  
CIRCUIT FOR A POWER  
CONVERTER  
[54] CIRCUIT DE PROTECTION  
CONTRE LES SURTENSIONS  
POUR CONVERTISSEUR DE  
PUISSEANCE  
[72] FROSTEROD, JARLE, NO  
[72] PEDERSEN, TOR VANG, NO  
[73] COMROD AS, NO  
[85] 2018-05-10  
[86] 2016-11-10 (PCT/NO2016/050226)  
[87] (WO2017/082740)  
[30] NO (20151549) 2015-11-12

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[11] **3,006,686**  
[13] C

[51] Int.Cl. G01L 19/00 (2006.01) B64D  
43/00 (2006.01) G01M 9/08 (2006.01)  
[25] EN  
[54] SYSTEMS AND METHODS FOR  
CORRECTING ACOUSTIC ERROR  
IN PRESSURE SENSORS  
[54] SYSTEMES ET METHODES DE  
CORRECTION DE L'ERREUR  
ACOUSTIQUE DANS LES  
CAPTEURS DE PRESSION  
[72] SATO, SHO, US  
[72] CHUCK, CHEN, US  
[73] THE BOEING COMPANY, US  
[86] (3006686)  
[87] (3006686)  
[22] 2018-05-29  
[30] US (15/641,148) 2017-07-03

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[11] **3,010,190**  
[13] C

[51] Int.Cl. B01D 15/18 (2006.01) B01J  
39/05 (2017.01) B01J 41/05 (2017.01)  
A61K 51/06 (2006.01) A61K 51/12  
(2006.01) B01D 15/36 (2006.01) G21G  
1/00 (2006.01)  
[25] EN  
[54] ISOTOPE PREPARATION  
METHOD  
[54] PROCEDE DE PREPARATION  
D'ISOTOPE  
[72] MANTZILAS, DIMITRIOS, NO  
[72] KARLSON, JAN ROGER, NO  
[72] OSTBY, JUDIT TJELMELAND, NO  
[73] BAYER AS, NO  
[85] 2018-06-29  
[86] 2016-12-29 (PCT/EP2016/082835)  
[87] (WO2017/118591)  
[30] GB (1600154.7) 2016-01-05

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[13] C

[51] Int.Cl. F28D 3/00 (2006.01) F28F 1/02  
(2006.01) F28F 13/00 (2006.01)  
[25] EN  
[54] ELLIPTICALLY FINNED HEAT  
EXCHANGER COMPRISING  
INDIRECT AND DIRECT HEAT  
EXCHANGE SECTIONS  
[54] ECHANGEUR DE CHALEUR A  
AILETTES ELLIPTIQUES  
COMPRENANT DES SECTIONS  
D'ECHANGE THERMIQUE  
INDIRECTES ET DIRECTES  
[72] BUGLER, THOMAS W., US  
[73] EVAPCO, INC., US  
[85] 2018-07-06  
[86] 2017-01-09 (PCT/US2017/012765)  
[87] (WO2017/120603)  
[30] US (62/276,328) 2016-01-08  
[30] US (15/402,069) 2017-01-09

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[13] C

[51] Int.Cl. F24C 7/08 (2006.01) G05D  
23/19 (2006.01) H05B 1/02 (2006.01)  
[25] EN  
[54] A GLASS-CERAMIC COOKING  
APPARATUS AND A METHOD  
RELATING TO TEMPERATURE  
LIMITING CONTROL FOR  
PREVENTING COOKING OIL  
IGNITION  
[54] UN APPAREIL DE CUISSON  
VITROCERAMIQUE ET UNE  
METHODE PORTANT SUR LE  
CONTROLE DE LIMITATION DE  
TEMPERATURE EN VUE DE  
PREVENIR L'ALLUMAGE  
D'HUILE DE CUISSON  
[72] BAI, YUN, CN  
[72] SHEN, CHUNLEI, CN  
[73] ZHEJIANG JIU KANG ELECTRIC  
APPLIANCES CO., LTD., CN  
[73] BAI, YUN, CN  
[86] (3010966)  
[87] (3010966)  
[22] 2018-07-10  
[30] US (62/594,716) 2017-12-05

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[11] **3,012,556**  
[13] C

[51] Int.Cl. C05G 3/90 (2020.01)  
[25] EN  
[54] LIQUID UREASE INHIBITOR  
FORMULATIONS  
[54] FORMULATIONS LIQUIDES  
D'INHIBITEURS D'UREASE  
[72] COLPAERT, FILIP, BE  
[72] LEDOUX, FRANCOIS, FR  
[72] VAN BELZEN, RUUD, NL  
[73] YARA INTERNATIONAL ASA, NO  
[85] 2018-07-25  
[86] 2017-02-24 (PCT/EP2017/054397)  
[87] (WO2017/144698)  
[30] EP (16157221.9) 2016-02-24

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[25] EN  
[54] COOLING DEVICE FOR AN ELECTRICAL MACHINE  
[54] DISPOSITIF DE REFROIDISSEMENT POUR UNE MACHINE ELECTRIQUE  
[72] DECAUX, STEPHANE, FR  
[72] TAVERNIER, GUILLAUME, FR  
[72] PARIS, FRANCOIS, FR  
[73] NISSAN MOTOR CO., LTD., JP  
[85] 2018-07-30  
[86] 2017-01-24 (PCT/FR2017/050142)  
[87] (WO2017/134364)  
[30] FR (1650860) 2016-02-03
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[11] 3,015,100  
[13] C

- [51] Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)  
[25] EN  
[54] WHEAT VARIETY YW16J  
[54] VARIEITE DE BLE YW16J  
[72] CLARKSON, ROBERT LEWIS, US  
[72] LASKAR, WILLIAM JOSEPH, US  
[72] LIVELY, KYLE JAY, US  
[72] MARSHALL, GREGORY CHARLES, US  
[72] UPHAUS, JAMES JOSEPH, US  
[73] PIONEER HI-BRED INTERNATIONAL, INC., US  
[86] (3015100)  
[87] (3015100)  
[22] 2018-08-23  
[30] US (62/550,776) 2017-08-28

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[11] 3,015,812  
[13] C

- [51] Int.Cl. E05G 1/10 (2006.01) B65D 88/74 (2006.01) B65D 90/00 (2006.01) B65D 90/48 (2006.01) B65G 1/00 (2006.01) E05B 73/00 (2006.01) G06K 7/10 (2006.01)  
[25] EN  
[54] MOBILE STORAGE, TRACKING AND SECURITY SYSTEM AND METHOD THEREOF  
[54] SYSTEME DE STOCKAGE, SUIVI ET SECURITE MOBILE ET METHODE ASSOCIEE  
[72] HALL, KEVIN MARK, US  
[73] JS2 SYSTEM SOLUTIONS LLC, US  
[86] (3015812)  
[87] (3015812)  
[22] 2018-08-28  
[30] US (62/594,712) 2017-12-05  
[30] US (16/042,202) 2018-07-23
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[11] 3,016,046  
[13] C

- [51] Int.Cl. G01B 21/32 (2006.01) G01B 11/16 (2006.01) G01M 3/00 (2006.01)  
[25] EN  
[54] METHOD AND SYSTEM FOR DETERMINING WHETHER AN EVENT HAS OCCURRED FROM DYNAMIC STRAIN MEASUREMENTS  
[54] PROCEDE ET SYSTEME POUR DETERMINER SI UN EVENEMENT S'EST PRODUIT A PARTIR DE MESURES DE CONTRAINTE DYNAMIQUE  
[72] JALILIAN, SEYED EHSAN, CA  
[72] HULL, JOHN, CA  
[72] HUANG, DANIEL, CA  
[72] ADEYEMI, ADEKUNLE, CA  
[73] HIFI ENGINEERING INC., CA  
[85] 2018-08-28  
[86] 2016-03-01 (PCT/CA2016/050217)  
[87] (WO2017/147679)

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[13] C

- [51] Int.Cl. F25B 43/02 (2006.01) B01D 17/025 (2006.01) F04B 39/02 (2006.01) F04C 29/02 (2006.01)  
[25] EN  
[54] COMPACT INDIVIDUAL MULTISTAGE UNIVERSAL HYBRID OIL SEPARATOR  
[54] SEPARATEUR D'HUILE HYBRIDE UNIVERSEL INDIVIDUEL COMPACT A PLUSIEURS ETAGES  
[72] MULLIS, JOHN VINCENT, US  
[72] SHANMUGAM, SENTHILKUMAR KANDAPPA GOUNDAR, US  
[73] HILL PHOENIX, INC., US  
[86] (3019258)  
[87] (3019258)  
[22] 2018-10-01  
[30] US (15/723,547) 2017-10-03
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[13] C

- [51] Int.Cl. E04B 1/61 (2006.01) F16B 5/00 (2006.01)  
[25] EN  
[54] IMPROVED SYSTEM FOR COUPLING TWO PREFABRICATED PANELS FOR CONSTRUCTION  
[54] SYSTEME AMELIORE POUR L'ACCOUPLEMENT DE DEUX PANNEAUX PREFABRIQUES POUR LA CONSTRUCTION  
[72] CECCACCI, GERARDO, IT  
[73] OC S.R.L., IT  
[85] 2018-10-03  
[86] 2017-04-13 (PCT/IT2017/000074)  
[87] (WO2017/187464)  
[30] IT (10201600042721) 2016-04-27

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- [51] Int.Cl. E06B 1/60 (2006.01) E06B 1/04 (2006.01)
  - [25] EN
  - [54] WINDOW, SHUTTER OR DOOR WITH ADJUSTABLE MOUNTING FRAME
  - [54] FENETRE, VOLET OU PORTE A CADRE DE MONTAGE AJUSTABLE
  - [72] BABYCH, OLEKSANDER, AU
  - [72] GOMES-LUIS, MARC, AU
  - [72] BOX, ALLAN NEALE, AU
  - [73] UNILINE AUSTRALIA LIMITED, AU
  - [85] 2018-10-04
  - [86] 2016-08-25 (PCT/AU2016/050785)
  - [87] (WO2017/031543)
  - [30] AU (2015903432) 2015-08-25
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**[11] 3,021,984**

[13] C

- [51] Int.Cl. B62B 17/02 (2006.01) B62D 55/07 (2006.01)
  - [25] EN
  - [54] SNOWMOBILE SKI BUMPER AND METHODS FOR USING SAME
  - [54] PARE-CHOCS DE SKI DE MOTONEIGE ET METHODES D'UTILISATION ASSOCIEES
  - [72] BERGSTROM, SCOTT, US
  - [73] 2726971 ONTARIO INC., CA
  - [86] (3021984)
  - [87] (3021984)
  - [22] 2018-10-24
  - [30] US (15/793,816) 2017-10-25
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[13] C

- [51] Int.Cl. B65H 18/08 (2006.01) B65H 18/16 (2006.01) B65H 79/00 (2006.01) E02B 3/04 (2006.01)
  - [25] EN
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  - [54] SYSTEME ET PROCEDE POUR ENROULER UNE PLAQUE SOUPLE
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  - [72] BUSS, TIMOTHY J., CA
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- [72] XIA, ZHENGYUE, CN
- [72] YAN, XINCHUN, CN
- [72] XING, GUOQIANG, CN
- [73] CANADIAN SOLAR SOLUTIONS INC., CA
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[72] SUGINO, MASAAKI, JP

[73] NIPPON STEEL CORPORATION, JP

[73] VALLOUREC OIL AND GAS  
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[72] BARRON-KRAUS, KYLE JAMES, US

[72] KRASNOW, GREGORY ALLEN, US

[72] BELL, DOUGLAS ANDREW, US

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[54] SYSTEMES, DISPOSITIFS ET  
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[72] KRAMER, THOMAS A., US

[73] TAS MEDICAL, US

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[54] PRESENTOIR A PRODUITS ET  
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[72] MERCIER, MICHAEL W., US

[72] WILLS, MATTHEW A., US

[72] POLLPETER, ERIC, US

[73] RETAIL SPACE SOLUTIONS LLC,  
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[54] COMPOSITION INJECTABLE  
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PERTE DE CHEVEUX OU A  
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[72] KWON, IL-KEUN, KR

[72] KIM, SO YEON, KR

[72] VAN, SE YOUNG, KR

[73] KERAMEDIX INC., KR

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[72] KUTT, ARNO, EE

[72] LOSSOV, REMI, EE

[72] MUST, TARMO, EE

[72] NUUDI, HARRY, EE

[72] NOORKOIV, MIKK, EE

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  - [54] **SISTÈME DE PLACAGE OSSEUX COMPRENANT UN GABARIT DE PERCAGE DÉTACHÉ D'ÉLÉMENTS DE VERROUILLAGE**
  - [72] MEBARAK, EDWARD, US
  - [72] ALVAREZ, VICTOR JOSE, US
  - [72] BOURDA, MARCUS, US
  - [73] BIOMET MANUFACTURING, LLC, US
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- [54] **MICROBIOTE FÉCAL POUR TRAITER DES PATIENTS SUBISSANT UNE GREFFE DE CELLULES SOUCHE HEMATOPOIÉTIQUE**
- [72] MOHTY, MOHAMAD, FR
- [72] SOKOL, HARRY, FR
- [73] SORBONNE UNIVERSITE, FR
- [73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
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  - [73] TAIWAN FU HSING INDUSTRIAL CO., LTD., CN
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- [54] **PROCEDES ET MOYENS D'IMAGERIE DE LA POROSITÉ NEUTRON AZIMUTALE DES VOLUMES DE FORMATION ET DE CIMENT ENTOURANT UN TROU DE FORAGE**
- [72] TEAGUE, PHILIP, US
- [72] STEWART, ALEX, US
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  - [72] COURTNEY, BRIAN, CA
  - [72] KHAN, NAIMUL MEFRAZ, CA
  - [72] ALVES-KOTZEV, NATASHA, CA
  - [73] SUNNYBROOK RESEARCH INSTITUTE, CA
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- [72] FUHRHERR, RICHARD, DE
- [72] LUDEMANN, JAN, DE
- [72] GARRETT, LISA, GB
- [73] NORDMARK PHARMA GMBH, DE
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[54] SYSTEMES ET METHODES POUR GENERER DES ANALYSES DES CAMPAGNES  
[72] LEAMON, COREY DANIEL, US  
[72] FOSS, LUCINDA KATHRYN, US  
[72] WALLACE, ROBERT ROBLES, US  
[72] KIRKWOOD, CRESTA, US  
[72] O'NEILL, THOMAS GERALD, US  
[73] SERVICENOW, INC., US  
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[54] ANALYSE AMELIOREE DES INTERROGATIONS D'UTILISATEUR DANS UNE PLATEFORME DE GESTION DE RESEAU ELOIGNE A L'AIDE DE REGLES DE GRAMMAIRE A CONTEXTE LIBRE ETENDUES  
[72] VERTSEL, ALIAKSEI, US  
[72] KOROLEV, DMITRY, US  
[72] RUMIANTSU, MIKHAIL, US  
[73] SERVICENOW, INC., US  
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[54] BUSE POUR LA PULVERISATION DE PREPARATIONS LIQUIDES DE POLYMERES ET PROCEDE DE PULVERISATION METTANT EN OEUVRE LA BUSE  
[72] LECOINTE, CHARLES, FR  
[73] SNF GROUP, FR  
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[54] SYSTEME DE GONFLAGE DE PNEU REPOSANT SUR LA CHARGE POUR VEHICULES UTILITAIRES LOURDS  
[72] WILSON, MATT J., US  
[72] CERVANTEZ, JESSE W., US  
[72] ZAWACKI, JEFF R., US  
[73] HENDRICKSON USA, L.L.C., US  
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[54] SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS COMPRENANT UN SYSTEME D'AUTO-NAVETTE  
[72] WAGNER, THOMAS, US  
[72] AHEARN, KEVIN, US  
[72] AMEND, JOHN RICHARD, JR., US  
[72] COHEN, BENJAMIN, US  
[72] DAWSON-HAGGERTY, MICHAEL, US  
[72] FORT, WILLIAM HARTMAN, US  
[72] GEYER, CHRISTOPHER, US  
[72] HINCHEY, VICTORIA, US  
[72] KING, JENNIFER EILEEN, US  
[72] KOLETSCHKA, THOMAS, US  
[72] KOVAL, MICHAEL CAP, US  
[72] MARONEY, KYLE, US  
[72] MASON, MATTHEW T., US  
[72] MCMAHAN, WILLIAM CHU-HYON, US  
[72] PRICE, GENE TEMPLE, US  
[72] ROMANO, JOSEPH, US  
[72] SMITH, DANIEL, US  
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[72] OFFERHAUS, MIKE, CA  
[73] MC RANCH OVERLAND INC., CA  
[86] (3057660)  
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[72] SWAMINATHAN, TIRUMANI N., US  
[72] SHETTY, DINESH ANANDA, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
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[72] TURNER, MATTHEW, US  
[72] JORDAN, LEWIS, US  
[72] JOSHUA, ALLAN, US  
[73] EQUIFAX INC., US  
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[54] PROCEDES ET SYSTEMES D'AMELIORATION DU RENDEMENT ENERGETIQUE DE LA CAPTURE DU DIOXYDE DE CARBONE  
[72] MATHIAS, PAUL M., US  
[72] REDDY, SATISH, US  
[72] YONKOSKI, JOSEPH, US  
[73] FLUOR TECHNOLOGIES CORPORATION, US  
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[54] COMPOSITIONS ET PROCEDES D'AMELIORATION DE L'IDENTIFICATION D'ECHANTILLONS DANS DES BIBLIOTHEQUES INDEXEES D'ACIDES NUCLEIQUES  
[72] VERMAAS, ERIC HANS, US  
[72] KHOSROHEIDARI, MAHDIEH, US  
[72] KALBANDE, ANGELA, US  
[73] ILLUMINA CAMBRIDGE LIMITED, GB  
[73] ILLUMINA, INC., US  
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[73] SERVICENOW, INC., US  
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[72] FEREIRA, EDGAR, US  
[73] ROVI GUIDES, INC., US  
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[54] ISOLANTS EN TUBE DE MOUSSE A CELLULES FERMEES REVETUE ET LEURS PROCEDES DE PRODUCTION  
[72] BIJU VALAKKADAVIL, THOMAS, US  
[73] L'ISOLANTE K-FLEX S.P.A., IT  
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[54] PROCEDE DE PREDICTION DE RUPTURE A ANGLE ELEVE, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR  
[72] GUO, TONGCUI, CN  
[72] WANG, HONGJUN, CN  
[72] MA, WENJI, CN  
[72] JI, YINGZHANG, CN  
[72] LI, HAOCHEN, CN  
[73] PETROCHINA COMPANY LIMITED, CN  
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[54] PROCEDE ET APPAREIL DE PARTAGE DE PUISSANCE  
[72] XU, HANQING, CN  
[72] ZHAO, YAJUN, CN  
[72] LI, XINCAI, CN  
[72] YANG, LING, CN  
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WEARABLE SENSOR DATA

[54] SYSTEME ET PROCEDE  
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[72] COOPER, ANDREW DAVID, US

[72] COOPER, RICHARD JAMES, US

[72] GIRAUD, JEAN-LUC CLAUDE  
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[73] MARVIN LUMBER AND CEDAR COMPANY, D/B/A MARVIN WINDOWS AND DOORS, US

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[72] LEBLEU, BERNARD, FR

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[73] NICOVENTURES TRADING LIMITED, GB

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- [72] COOPER, DAVID MATTHEW, AU
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[72] QUERO, PHILIPPE, US  
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[54] COMPOSITION CONTENANT UN EXTRAIT DE CANNABIDIOL/CANNABIS ET DE LA CAFEINE, ET APPLICATION DE LA COMPOSITION  
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[72] TAN, XIN, CN  
[72] YU, ZHAOHUI, CN  
[72] CHANG, TANRAN, CN  
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[54] DISPOSITIF DE LEVAGE  
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[72] HANDLECHNER, PAUL, AT  
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 [72] MADDIPATLA VENKATA, SRIRAMA N., US  
 [72] ARBUCKLE, STEPHEN, US  
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 [54] TRANSDUCTEUR ULTRASONORE ET DISPOSITIF DE TRAITEMENT ULTRASONORE FOCALISE  
 [72] XU, GUIHUA, CN  
 [72] YE, FANGWEI, CN  
 [72] LEI, GUANGRONG, CN  
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 [54] MICRO-ORGANISME PRODUCTEUR D'ACIDES AMINES DE TYPE MYCOSPORINE ET PROCÉDÉ DE PRODUCTION D'ACIDES AMINES DE TYPE MYCOSPORINE A L'AIDE DE CELUI-CI  
 [72] KIM, SOL, KR  
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[72] SHAVER, JEREMY MARTIN, US  
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[73] JUST-EVOTEC BIOLOGICS, INC., US  
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[73] HULTAFORS GROUP AB, SE  
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[54] DISPOSITIF DE RECEPTION, PROCEDE DE TRAITEMENT DU SIGNAL DE RECEPTION, CIRCUIT DE COMMANDE ET SUPPORT D'ENREGISTREMENT  
[72] NODA, YASUNORI, JP  
[72] UEHASHI, SHUNSUKE, JP  
[72] MOTOYOSHI, KATSUYUKI, JP  
[72] UCHIDA, SHIGERU, JP  
[73] MITSUBISHI ELECTRIC CORPORATION, JP  
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[73] DAIKIN INDUSTRIES, LTD., JP  
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[54] ECHANGEUR DE CHALEUR ROTATIF MULTITUBULAIRE  
[72] YOSHIDA, TOMONORI, JP  
[72] TAKENAKA, TAKESHI, JP  
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[72] BRADSHAW, GLENN ANDREW, AU  
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[73] ARCELORMITTAL, LU  
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[54] SEPARATION D'OXYDATION D'OZONE DANS DES MILIEUX LIQUIDES EN TROIS OPERATIONS UNITAIRES POUR OPTIMISATION DE PROCESSUS  
[72] MANTE, JAN, DE  
[72] SCHWERDT, JOERG, FR  
[72] RASANAYAGAM, VASUHI, US  
[72] MAHMUDOV, ROVSHAN, US  
[72] ISAZADEH, SIAVASH, US  
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[73] BOLY MEDIA COMMUNICATIONS (SHENZHEN) CO., LTD., CN  
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- [54] PROCEDES ET SYSTEMES D'ENCAPSULATION DE DECHETS A ETAPES MULTIPLES ET LEUR PRODUCTION SOUS FORME D'AGREGATS
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- [73] ASH MANAGEMENT ENGINEERING, INC., US
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- [54] PROCEDE DE TRANSMISSION DE SIGNAL DE LIAISON MONTANTE ET DISPOSITIF TERMINAL
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- [73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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- [72] ZHANG, YIHONG, CN
- [72] LIN, ZHENHUA, CN
- [72] CHEN, ZHICONG, CN
- [72] LIANG, GANG, CN
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- [54] PROCESSES AND COMPLETION ASSEMBLIES FOR OPEN-LOOP AND CLOSED-LOOP FLUID CIRCULATION IN HEAVY HYDROCARBON OPERATIONS
- [54] PROCEDES ET ASSEMBLAGES DE REALISATION POUR LA CIRCULATION DE FLUIDE EN BOUCLE OUVERTE ET EN BOUCLE FERMEE DANS LES OPERATIONS D'HYDROCARBURES LOURDS
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- [73] SUNCOR ENERGY INC., CA
- [86] (3101567)
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- [54] PROCEDE DE POSITIONNEMENT ET DISPOSITIF DE POSITIONNEMENT PONCTUEL PRECIS EN MODE CINEMATIQUE EN TEMPS REEL (PPP-RTK)
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- [73] BEIJING FUTURE NAVIGATION TECHNOLOGY CO., LTD, CN
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- [54] ELECTROSTATIC DISCHARGE RESISTANT PRESSURE SENSOR
- [54] CAPTEUR DE PRESSION RESISTANT AUX DECHARGES ELECTROSTATIQUES
- [72] SYVERSON, NEAL, US
- [72] BERRY, JASON, US
- [73] DWYER INSTRUMENTS, INC., US
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- [54] PLATEAU ET SON PROCEDE D'ASSEMBLAGE
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- [72] PHAM, MATTHEW, US
- [73] INTERCONTINENTAL GREAT BRANDS LLC, US
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  - [54] DISPOSITIFS, SYSTEMES ET PROCEDES DE FIXATION D'OUTIL CHIRURGICAL
  - [72] PFOTENHAUER, ALEXANDER M., US
  - [72] MORALES, CESAR, US
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  - [73] PRO-DEX, INC., US
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  - [72] SHI, GUOPING, CN
  - [72] HORSTMAN, ANTHONY SCOTT, CN
  - [73] SANDSTONE MEDICAL (SUZHOU) INC., CN
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  - [72] KHAN, ARNAB, US
  - [72] GORDON, BLAKE, US
  - [73] LOWE'S COMPANIES, INC., US
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  - [72] REBBERT, THOMAS F., US
  - [72] THOMPSON, ROBERT J., US
  - [73] LUTRON TECHNOLOGY COMPANY LLC, US
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  - [54] SYSTEMS, METHODS, AND APPARATUSES FOR SHIFTING AND STAGING STORAGE STRUCTURES AND PARCELS THEREON
  - [54] SYSTEMES, PROCEDES ET APPAREILS POUR LE DEPLACEMENT ET LE RAYONNAGE DE STRUCTURES DE STOCKAGE ET DES COLIS SUR CELLES-CI
  - [72] GIL, JULIO, NL
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  - [73] UNITED PARCEL SERVICE OF AMERICA, INC., US
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  - [54] DISPOSITIF D'OPTIMISATION ET METHODE POUR EXECUTER DES PROCEDES DE RECRUIT ET L'ECHANGE DE REPLICUES
  - [72] SASAKI, MASATO, JP
  - [72] MISHINA, TAKESHI, JP
  - [72] MATSUURA, SATOSHI, JP
  - [73] FUJITSU LIMITED, JP
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- [72] LIU, ALEX, US
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- [72] DHANABALAN, PRAVEEN RAJA, US
- [73] CITRIX SYSTEMS, INC., US
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- [54] FORME CRISTALLINE D'UN COMPOSE A TROIS CYCLES ET UTILISATION ASSOCIEE
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- [72] JIANG, ZHIGAN, CN
- [72] HE, HAIYING, CN
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- [72] LANDERS, THOMAS, US
- [72] PROSSER, KEVIN, US
- [73] GULFSTREAM AEROSPACE CORPORATION, US
- [85] 2021-02-16
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- [72] SUN, HONGYU, US
- [72] ZHU, XIAOXING, US
- [72] ZHANG, FAN, US
- [73] HUAWEI TECHNOLOGIES CO., LTD., CN
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- [25] EN
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- [54] PROFILS DES ETAPES DE FONCTIONNEMENT DES SYSTEMES HYDRAULIQUES ET METHODES CONNEXES
- [72] YEUNG, TONY, US
- [72] RODRIGUEZ-RAMON, RICARDO, US
- [72] FOSTER, JOSEPH, US
- [73] BJ ENERGY SOLUTIONS, LLC, US
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- [54] DETECTION ET QUANTIFICATION DE PLAQUES DE LIQUIDE DANS DES PIPELINES DE D'HYDROCARBURE FLUIDE
- [72] JHA, PRANAB NARAYAN, US
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- [73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] INTERFACE UTILISATEUR DE FLUX AUTOMATISES DANS UNE PLATEFORME DE DEVELOPPEMENT NUAGIQUE  
[72] DIAS, REBECCA, US  
[72] BRENNAN, MARK, US  
[72] STARK, NICHOLAS, US  
[73] SERVICENOW, INC., US  
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[54] SYSTEME DE CONFIGURATION DE PUITS DE FORAGE SUR UN SITE DE GAZ DE SCHISTE  
[72] MADASU, SRINATH, US  
[72] RANGARAJAN, KESHAVA PRASAD, US  
[73] LANDMARK GRAPHICS CORPORATION, US  
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[72] AKI, TOMOHIKO, JP  
[72] OZAKI, NORIMASA, JP  
[73] SMC CORPORATION, JP  
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[72] JOHNSON, BRICE A., US  
[72] HUGHES, JESSICA R., US  
[72] LAN, JUSTIN HONSHUNE, US  
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[25] EN  
[54] TELEPHONE EXCHANGE, HOLD TONE NOTIFICATION METHOD, AND HOLD TONE NOTIFICATION PROGRAM  
[54] STANDARD TELEPHONIQUE, PROCEDE DE DISTRIBUTION DE SON EN ATTENTE ET PROGRAMME DE DISTRIBUTION DE SON EN ATTENTE  
[72] SHIMIZU, YOSUKE, JP  
[73] NEC PLATFORMS, LTD., JP  
[85] 2021-03-12  
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[73] QINGDAO CHANGHUAI MACHINERY CO., LTD., CN  
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[73] SURGITENT GMBH, DE  
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- [54] PRODUIT DE CONSTRUCTION PANACHE ET PROCEDE
- [72] SHAW, ROBERT D., US
- [72] STUCKY, DAVID J., US
- [72] ARBOGAST, TRAVIS R., US
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- [25] EN
- [54] AROMATIC HETEROCYCLIC COMPOUND WITH KINASE INHIBITORY ACTIVITY
- [54] COMPOSE HETEROCYCLIQUE AROMATIQUE AYANT UNE ACTIVITE INHIBITRICE DE KINASE
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- [72] DENG, JIANWEN, CN
- [72] FENG, ZHIYONG, CN
- [72] LIU, SHENGYANG, CN
- [72] MAO, XUDONG, CN
- [72] SHANG, KE, CN
- [72] SHOU, JIANYONG, CN
- [72] WU, DANYI, CN
- [72] XIE, XIAOPING, CN
- [72] XU, YUAN, CN
- [72] ZHAO, HAIXIA, CN
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- [72] ZHENG, MINGWEI, CN
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- [25] EN
- [54] METHOD AND APPARATUS FOR IMPLEMENTING SIGNAL QUALITY METRICS AND ANTENNA DIVERSITY SWITCHING CONTROL
- [54] PROCEDE ET APPAREIL DE MISE EN OEUVRE DE MESURES DE QUALITE DE SIGNAL ET COMMANDE DE COMMUTATION DE DIVERSITE D'ANTENNE
- [72] KROEGER, BRIAN W., US
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- [72] NOVAK, ANDREW, GB
- [72] COUSIN, DAVID, GB
- [72] BLACKHAM, EMMA, GB
- [72] JONES, GERAINT, GB
- [72] WRIGGLESWORTH, JOSEPH, GB
- [72] DUFFY, LORNA, GB
- [72] BIRCH, LOUISE, GB
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- [54] AIDE AU CHARGEMENT POUR DES CONTENANTS DE TRANSPORT EMPILES ET A REMPLIR DE VOLAILLES VIVANTES
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- [72] JENSEN, JONAS, DK
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  - [54] DISPOSITIFS, SYSTEMES ET PROCEDES DE SURVEILLANCE D'INFRASTRUCTURE
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  - [72] KEEFE, ROBERT PAUL, US
  - [72] ZAKAS, MARIETTA EDMUNDUS, US
  - [72] BARKER, CLAYTON ROBERT, III, US
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- [72] LAZZARO, FRANCESCO, IT
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- [72] HAZELWOOD, ASA, US
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  - [54] APPAREIL DE NETTOYAGE AVEC UNITE DE PEIGNE POUR ELIMINER LES DEBRIS D'UN ROULEAU DE NETTOYAGE
  - [72] THORNE, JASON B., US
  - [72] MING, YAO, US
  - [72] DER MARDEROSIAN, DANIEL R., US
  - [72] MEYER, DANIEL, US
  - [72] CLEARY, PATRICK, US
  - [72] HOWES, GORDON, US
  - [72] WU, DAVID, US
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  - [73] SHARKNINJA OPERATING LLC, US
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- [72] KRUGER, MICHAEL JACOBUS, ZA
- [72] MICHNA, RICHARD JOSEPH, ZA
- [72] KOEKEMOER, ANDRE LOUIS, ZA
- [72] JURRAS III, MARK IVAN, ZA
- [73] DETNET SOUTH AFRICA (PTY) LTD, ZA
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  - [54] STRUCTURES ORGANOMETALLIQUES A VARIABLES MULTIPLES ET AUTRES STRUCTURES ORGANOMETALLIQUES, ET LEURS UTILISATIONS
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  - [72] LYU, HAO, US
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- [54] CRYSTALLINE FORM OF PROPIONAMIDE DERIVATIVE AND PREPARATION METHOD THEREFOR
- [54] FORME CRISTALLINE D'UN DERIVE DE PROPIONAMIDE ET METHODE DE PREPARATION CONNEXE
- [72] HAO, CHAO, CN
- [73] NHWA PHARMA. CORPORATION, CN
- [85] 2021-06-02
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  - [54] MOYEN D'AIDE MEDICAL DESTINE A UNE ARTICULATION D'UNE PERSONNE ET PROCEDE DE FONCTIONNEMENT D'UN MOYEN AIDE MEDICAL
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- [72] DOUCHI, SADAO, JP
- [73] NIPPON STEEL CORPORATION, JP
- [73] VALLOUREC OIL AND GAS FRANCE, FR
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  - [54] APPAREIL DE BARRE PORTE-Outils agricole, systemes et procedes associes
  - [72] KOCH, DALE M., US
  - [72] STOLLER, JASON, US
  - [73] PRECISION PLANTING LLC, US
  - [86] (3122873)
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- [72] PATRICK, ROBERT, US
- [73] ADVANCED BIOLOGICAL MARKETING, INC., US
- [85] 2021-06-17
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  - [54] DOUCHE TELESCOPIQUE
  - [72] LIN, XIAOFA, CN
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  - [73] FUJIAN XIHE SANITARY WARE TECHNOLOGY CO., LTD., CN
  - [86] (3124154)
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- [54] COLONNE EXCENTRIQUE POUR APPAREIL DE TORSION DE LA TAILLE
- [72] WU, DONG-HER, TW
- [73] EMOMO TECHNOLOGY CO., LTD., CN
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- [87] (3124488)
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- [54] DISPOSITIFS DE CODAGE ET DE DECODAGE VIDEO PAR PREDICTION, METHODES ET PROGRAMMES QUI CONTROLENT DE FACON AJUSTABLE LA TAILLE DE LA MEMOIRE DE TRAME
- [72] FUJIBAYASHI, AKIRA, JP
- [72] BOON, CHOONG SENG, JP
- [72] TAN, THIOW KENG, JP
- [73] NTT DOCOMO, INC., JP
- [86] (3124501)
- [87] (3124501)
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- [54] DISPOSITIFS DE CODAGE ET DE DECODAGE VIDEO PAR PREDICTION, METHODES ET PROGRAMMES QUI CONTROLENT DE FACON AJUSTABLE LA TAILLE DE LA MEMOIRE DE TRAME
- [72] FUJIBAYASHI, AKIRA, JP
- [72] BOON, CHOONG SENG, JP
- [72] TAN, THIOW KENG, JP
- [73] NTT DOCOMO, INC., JP
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  - [54] APPAREIL D'ECLAIRAGE ENCASTRE IGNIFUGE
  - [72] LUPIEN, PIERRE-PAUL, CA
  - [73] DE BROUSSE & CREMANT INC., CA
  - [86] (3124722)
  - [87] (3124722)
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  - [54] IMPLANTABLE UROLOGICAL DEVICE WITH FERROMAGNETIC RETRIEVAL FEATURE
  - [54] DISPOSITIF UROLOGIQUE IMPLANTABLE COMPRENANT UNE CARACTERISTIQUE DE RECUPERATION FERROMAGNETIQUE
  - [72] LEE, HEEJIN, US
  - [72] HO DUC, HONG LINH, US
  - [73] TARIS BIOMEDICAL LLC, US
  - [86] (3124983)
  - [87] (3124983)
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- [54] DISPOSITIF DE PROTECTION DESTINE A ETRE INSTALLE SUR UN SOL
- [72] JANG, JAE HYUNG, KR
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 [54] GESTION AMELIOREE D'IDENTIFIANTS UNIQUES POUR DES STATIONS  
 [72] ANSLEY, CAROL, US  
 [72] STRATER, JAY, US  
 [72] LUMBATIS, KURT, US  
 [72] HAMILTON, MARK, US  
 [73] ARRIS ENTERPRISES LLC, US  
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 [25] FR  
 [54] ELECTROLYSIS OR CO-ELECTROLYSIS REACTOR (SOEC) OR FUEL CELL (SOFC) WITH ELECTROCHEMICAL CELL STACK USING PREASSEMBLED MODULES, ASSOCIATED IMPLEMENTATION PROCESS  
 [54] REACTEUR D'ELECTROLYSE OU DE CO-ELECTROLYSE (SOEC) OU PILE A COMBUSTIBLE (SOFC) A EMPILEMENT DE CELLULES ELECTROCHIMIQUES PAR MODULES PREASSEMBLES, PROCEDE DE REALISATION ASSOCIE  
 [72] DI IORIO, STEPHANE, FR  
 [72] MONNET, THIBAULT, FR  
 [72] ORESIC, BRUNO, FR  
 [72] SZYNAL, PHILIPPE, FR  
 [73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR  
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 [54] PROGRAMME DE DETECTION QUANTITATIVE D'UNE UNIQUE MOLECULE ET SYSTEME DE DETECTION ASSOCIE  
 [72] GUAN, ZHICHAO, CN  
 [73] SUZHOU ASTRABIO TECHNOLOGY CO., LTD., CN  
 [85] 2021-07-29  
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 [54] PURIFIED COAGULATED POTATO PROTEIN PRODUCT, METHODS FOR PROVIDING THE SAME, AND USES THEREOF  
 [54] PRODUIT A BASE DE PROTEINE DE POMME DE TERRE COAGULEE PURIFIEE, SES PROCEDES DE PRODUCTION ET SES UTILISATIONS  
 [72] WILBRINK, MAARTEN HOTSE, NL  
 [72] SPELBRINK, ROBIN ERIC JACOBUS, NL  
 [72] VOGIATZIS, NIKOLAOS, NL  
 [73] COOPERATIE KONINKLIJKE AVEBE U.A., NL  
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 [72] MUKHERJEE, PRATYAY, US  
 [72] CHEN, YILEI, US  
 [72] GENISE, NICHOLAS, US  
 [73] VISA INTERNATIONAL SERVICE ASSOCIATION, US  
 [85] 2021-08-04  
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 [54] PROCEDE DE RECUPERATION DE PRODUITS A POINT D'EBULLITION PROCHE  
 [72] GAO, ALLAN HAIMING, US  
 [72] CONRADO, ROBERT JOHN, US  
 [72] GRIFFIN, DEREK WAYNE, US  
 [72] TIAN, PENG, US  
 [73] LANZATECH, INC., US  
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 [72] MERKLE, RALPH C., US  
 [73] CBN NANO TECHNOLOGIES INC., CA  
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[72] NAKAMIZU, MASATO, JP  
[73] KANSAI PAINT CO., LTD., JP  
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[54] FAUTEUIL ROULANT  
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[72] CHILDS, WILLIAM D., US  
[72] BIRMAN, STEVEN L., US  
[72] SCHNEIDER, MARK A., US  
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[73] STRYKER CORPORATION, US  
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[54] POMME DE DOUCHE  
[72] LIN, XIAOFA, CN  
[72] LIN, XIAOSHAN, CN  
[72] CHEN, ZHIWEI, CN  
[72] DENG, FEIMING, CN  
[72] DENG, XIAOQING, CN  
[72] LIU, QIQIAO, CN  
[73] FUJIAN XIHE SANITARY WARE TECHNOLOGY CO., LTD., CN  
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[25] EN  
[54] A METHOD FOR THE MANUFACTURE OF A COATED METALLIC SUBSTRATE BY LASER METAL DEPOSITION  
[54] PROCEDE DE FABRICATION D'UN SUBSTRAT METALLIQUE ENDUIT PAR DEPOT METALLIQUE LASER  
[72] PEREZ RODRIGUEZ, MARCOS, ES  
[72] MANJON FERNANDEZ, ALVARO, ES  
[72] PEREZ PIQUERAS, MIGUEL, ES  
[72] LOPEZ FRESNO, JOSE, ES  
[72] BOHM, SIVASAMBU, GB  
[73] ARCELORMITTAL, LU  
[85] 2021-09-13  
[86] 2020-04-16 (PCT/IB2020/053591)  
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[25] EN  
[54] HIGH STRENGTH AND HIGH FORMABILITY STEEL SHEET AND MANUFACTURING METHOD  
[54] TOLE D'ACIER TRES RESISTANTE ET TRES MALLEABLE ET METHODE DE FABRICATION  
[72] MAGAR, CORALIE, FR  
[72] ZHU, KANGYING, FR  
[72] PERLADE, ASTRID, FR  
[73] ARCELORMITTAL, LU  
[86] (3133435)  
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[25] EN  
[54] ELECTRIC-RESISTANCE-WELDED STEEL PIPE OR TUBE FOR HOLLOW STABILIZER AND METHOD OF MANUFACTURING SAME  
[54] TUYAU OU TUBE D'ACIER SOUDE A RESISTANCE ELECTRIQUE POUR UN STABILISATEUR CREUX ET METHODE DE FABRICATION  
[72] MATSUI RYOJI, JP  
[72] ARATANI MASATOSHI, JP  
[72] KONDOU TOMONORI, JP  
[73] JFE STEEL CORPORATION, JP  
[85] 2021-09-13  
[86] 2020-02-12 (PCT/JP2020/005221)  
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[54] UNITE D'INTERFACE DE RESEAU EN PROFONDEUR DE FORAGE POUR SURVEILLANCE ET COMMANDE  
[72] HAGEN, TROND, NO  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
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  - [54] **SISTÈME DE GONFLAGE DE PNEU A TRAJET D'ÉCOULEMENT PARALLÈLE**
  - [72] MORRIS, JEFFREY S., US
  - [72] CERVANTEZ, JESSE W., US
  - [73] HENDRICKSON USA, L.L.C., US
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- [54] **POMME DE DOUCHE POUR ANIMAUX DE COMPAGNIE**
- [72] LIN, XIAOFA, CN
- [72] LIN, XIAOSHAN, CN
- [72] CHEN, ZHIWEI, CN
- [72] DENG, FEIMING, CN
- [72] DENG, XIAOQING, CN
- [72] LIU, QIQIAO, CN
- [73] FUJIAN XIHE SANITARY WARE TECHNOLOGY CO., LTD., CN
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  - [54] **BWP ACTIVE A ECONOMIE D'ENERGIE**
  - [72] YI, YUNJUNG, US
  - [72] DINAN, ESMAEL, US
  - [72] ZHOU, HUA, US
  - [72] PARK, KYUNGMIN, US
  - [72] JEON, HYOUNGSUK, US
  - [72] BABAEI, ALIREZA, US
  - [72] XU, KAI, US
  - [73] OFINNO, LLC, US
  - [85] 2021-09-24
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- [54] **DISPOSITIF DE TAMISAGE**
- [72] EIXELBERGER, RAINER, AT
- [72] TIMISCHL, BERNHARD, AT
- [72] ANIBAS, FRANZ, AT
- [72] URL, CHRISTIAN, AT
- [72] DELIBASIC, ERMIN, AT
- [73] BINDER + CO AG, AT
- [85] 2021-09-28
- [86] 2020-03-30 (PCT/EP2020/058979)
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  - [25] EN
  - [54] **METHOD FOR PRODUCING THREE-DIMENSIONAL SHAPED PRODUCT, AND THREE-DIMENSIONAL SHAPED PRODUCT OBTAINED BY THE METHOD**
  - [54] **METHODE DE PRODUCTION D'UN PRODUIT FORME EN TROIS DIMENSIONS ET UN TEL PRODUIT OBTENU GRACE A LA METHODE**
  - [72] AMAYA, KOICHI, JP
  - [72] MIDORIKAWA, TETSUSHI, JP
  - [72] TOMITA SEIICHI, JP
  - [72] TANAKA, RYUZO, JP
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- [72] SHI, JINGJING, CN
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- [72] ISHIKAWA, KAZUTOSHI, JP
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- [54] **SISTÈME ET PROCÉDÉ DE TRAITEMENT DES EAUX USEES DE FABRICATION DE PAPIER A MICRO-INTERFACE EXTERNE**
- [72] ZHANG, ZHIBING, CN
- [72] ZHOU, ZHENG, CN
- [72] ZHANG, FENG, CN
- [72] LI, LEI, CN
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- [72] RAUSER, CLAIRE M., US
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- [72] POURMAND, ALIASGHAR, IR
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[54] SYSTEME D'ESSAI POUR L'ABATTAGE DE ROCHES DURES PAR CHARGEMENT INTELLIGENT DE MICRO-ONDES EN FONCTION D'UNE CONTRAINTE REELLE TRIAXIALE

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[72] ZHANG, JIUYU, CN

[72] LIN, FENG, CN

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[72] POLIDORO, JOHN M., US

[72] KETNER, MARK ENNIS, US

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[54] TRANSPORTEUR DE MELANGE ET DE SECHAGE

[72] EDELMAN, MATTHEW, US

[72] KAEB, JASON, US

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[72] REUBEN, SPENCER, CA

[72] FARZADPOUR, FARSAM, CA

[72] AZIM, AKRAMUL, CA

[72] PARAMESWARAN, AMALNNATH, CA

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 [72] BISHOP, JOHN, US  
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[73] LANGWEISI TECHNOLOGY (SHENZHEN) CO., LTD, CN  
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[73] NOVELIS KOBLENZ GMBH, DE  
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[54] UTILISATION COMBINEE DU PERTUZUMAB, DU TRASTUZUMAB ET DE LA CHIMIOTHERAPIE A BASE D'ANTHRACTYLICLINE POUR LE TRAITEMENT NEOADJUVANT DU CANCER DU SEIN HER2 POSITIF AU STADE PRECOCE  
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[72] AMLER, LUKAS C., US  
[72] BENYUNES, MARK C., US  
[72] CLARK, EMMA L., GB  
[72] DE TOLEDO PELIZON, CHRISTINA H., CH  
[72] KWONG GLOVER, ZEPHANIA W., US  
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  - [72] SHANNON, BROOKS THOMAS, US
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[11] **3,176,604**

[13] C

- [51] Int.Cl. A24F 40/42 (2020.01) A24F 15/015 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01) A24F 7/00 (2006.01)
  - [25] EN
  - [54] PERSONAL VAPORIZER FOR USE WITH VIAL
  - [54] VAPORISATEUR PERSONNEL DESTINE A ETRE UTILISE AVEC UN FLACON
  - [72] RADO, J. CHRISTIAN, US
  - [73] VAPOROUS TECHNOLOGIES, INC., US
  - [85] 2022-09-22
  - [86] 2021-01-19 (PCT/US2021/014030)
  - [87] (WO2021/146739)
  - [30] US (62/962,125) 2020-01-16
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[11] **3,176,970**

[13] C

- [51] Int.Cl. G02B 1/04 (2006.01)
- [25] EN
- [54] ANTIOXIDANT CONTACT LENS
- [54] LENTILLE DE CONTACT ANTOXYDANTE
- [72] MALTSEVA, INNA, US
- [72] KEIR, NANCY J, US
- [72] LUK, ANDREW, US
- [72] ROGERS, VICTORIA, US
- [73] COOPERVISION INTERNATIONAL LIMITED, GB
- [85] 2022-10-26
- [86] 2021-04-26 (PCT/GB2021/051002)
- [87] (WO2021/219982)
- [30] US (63/015,765) 2020-04-27

[11] **3,181,390**

[13] C

- [51] Int.Cl. H01Q 1/28 (2006.01) H01Q 15/14 (2006.01) H01Q 15/16 (2006.01) H01Q 19/18 (2006.01) H01Q 19/19 (2006.01)
  - [25] EN
  - [54] HOSTED, COMPACT, LARGE-APERTURE, MULTI-REFLECTOR ANTENNA SYSTEM DEPLOYABLE WITH HIGH-DISSIPATION FEED
  - [54] SYSTEME D'ANTENNES HEBERGE, COMPACT, A ORIFICE LARGE, A REFLECTEURS MULTIPLES POUVANT ETRE MIS EN OEUVRE AVEC UNE ALIMENTATION A DISSIPATION ELEVEE
  - [72] MURRAY, BRONSON, US
  - [72] CONNOR, SPENCER KEITH, US
  - [73] LOCKHEED MARTIN CORPORATION, US
  - [85] 2022-10-27
  - [86] 2021-04-02 (PCT/US2021/025586)
  - [87] (WO2021/203004)
  - [30] US (63/005,135) 2020-04-03
  - [30] US (17/148,474) 2021-01-13
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[11] **3,185,843**

[13] C

- [51] Int.Cl. B05D 3/02 (2006.01) B05D 7/00 (2006.01) B05D 7/02 (2006.01) B05D 7/24 (2006.01) B32B 17/04 (2006.01) B32B 17/06 (2006.01)
- [25] EN
- [54] PROTECTIVE PACKAGING MEMBRANES AS INTEGRATED LAYER IN BUILDING SYSTEM COMPONENTS

- [54] MEMBRANES D'EMBALLAGE DE PROTECTION EN TANT QUE COUCHE INTEGREE DANS DES COMPOSANTS DE SYSTEME DE CONSTRUCTION
- [72] BOSS, DAN E., US
- [72] RUFUS, ISAAC B., US
- [72] CHEUNG, WILSON, US
- [72] CHICH, ADEM, US
- [73] BMIC LLC, US
- [85] 2022-12-02
- [86] 2021-06-08 (PCT/US2021/036314)
- [87] (WO2021/252434)
- [30] US (63/036,261) 2020-06-08
- [30] US (17/341,529) 2021-06-08

[11] **3,186,651**

[13] C

- [51] Int.Cl. A61B 3/117 (2006.01) A61B 5/103 (2006.01) A61B 5/11 (2006.01)
  - [25] EN
  - [54] ENHANCED GONIOMETER
  - [54] GONIOMETRE AMELIORE
  - [72] PYNE, KEITH, US
  - [73] PMOTION, INC., US
  - [85] 2022-12-08
  - [86] 2021-06-09 (PCT/US2021/036607)
  - [87] (WO2021/252621)
  - [30] US (63/037,218) 2020-06-10
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[11] **3,193,957**

[13] C

- [51] Int.Cl. H03M 13/03 (2006.01) H03M 13/15 (2006.01)
- [25] EN
- [54] FORWARD ERROR CORRECTION WITH COMPRESSION CODING
- [54] CORRECTION D'ERREURS SANS VOIE DE RETOUR GRACE A UN CODAGE PAR COMPRESSION
- [72] OVEIS GHARAN, SHAHAB, CA
- [72] SEIFI, MOHAMMAD EHSAN, CA
- [72] ROBERTS, KIM B., CA
- [73] CIENA CORPORATION, US
- [86] (3193957)
- [87] (3193957)
- [22] 2018-09-04
- [62] 3,072,857
- [30] US (15/703,180) 2017-09-13

# Canadian Applications Open to Public Inspection

June 25, 2023 to July 1, 2023

## Demandes canadiennes mises à la disposition du public

25 juin 2023 au 1 juillet 2023

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[21] 3,144,074

[13] A1

[51] Int.Cl. A24F 1/30 (2006.01)

[25] EN

[54] RETROFITTING BONG SMOKING ADAPTER

[54] ADAPTATEUR DE PIPE A EAU

[72] ROWSWELL, STEPHEN, CA

[71] ROWSWELL, STEPHEN, CA

[22] 2021-12-27

[41] 2023-06-27

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[21] 3,144,138

[13] A1

[51] Int.Cl. G06Q 99/00 (2006.01) G05B 15/02 (2006.01)

[25] EN

[54] AUTONOMOUS ECONOMIC SYSTEMS: A SOCIOECONOMIC USE OF AUTOMATED AND NON-AUTOMATED TECHNOLOGIES

[54] ECONOMIE D'AUTOMATISATION AUTONOME : SYSTEME D'EXPLOITATION AUTONOME DECENTRALISE COMPRENANT UN CATALOGUE DE LOGICIELS UTILISATEURS PERSONNALISES

[72] DANSOKO, MUSTAFA, CA

[71] DANSOKO, MUSTAFA, CA

[22] 2021-12-29

[41] 2023-06-29

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[21] 3,144,169

[13] A1

[51] Int.Cl. B07B 1/02 (2006.01) A01K 1/01 (2006.01) A01K 1/015 (2006.01)

[25] EN

[54] KITTY LITTER SIFTING SYSTEM

[54] SYSTEME DE TAMISAGE DE LITIERE POUR CHAT

[72] SIMPSON, MARK, CA

[71] SIMPSON, MARK, CA

[22] 2021-12-29

[41] 2023-06-29

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[21] 3,144,171

[13] A1

[51] Int.Cl. A61K 31/7076 (2006.01) A61K 31/4745 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)

[25] EN

[54] TREATMENT OF ADVANCED METASTATIC CANCER

[54] TRAITEMENT DU CANCER METASTATIQUE AVANCE

[72] FISHMAN, PNINA, IL

[71] CAN-FITE BIOPHARMA LTD., IL

[22] 2021-12-29

[41] 2023-06-29

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[21] 3,144,359

[13] A1

[51] Int.Cl. F24F 13/06 (2006.01) F16B 2/00 (2006.01)

[25] EN

[54] FRICTION FIT VENT COVER

[54] COUVERCLE D'EVENT A AJUSTEMENT SERRE

[72] SMITH, MARK, CA

[72] RODRIGUE, MATTHEW, CA

[71] SMITH, MARK, CA

[71] RODRIGUE, MATTHEW, CA

[22] 2021-12-30

[41] 2023-06-28

[30] US (17/563,188) 2021-12-28

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[21] 3,144,367

[13] A1

[51] Int.Cl. B05C 21/00 (2006.01) B05C 17/02 (2006.01)

[25] EN

[54] CAGE FOR A PAINT ROLLER

[54] CAGE POUR ROULEAU A PEINTURE

[72] SILBERMAN, TAMIR, CA

[72] SILBERMAN, EITAN, CA

[72] SILBERMAN, HENRY, CA

[72] RONDBERG, TUVIA, IL

[72] HACKO, HARON, IL

[71] 391395 ONTARIO LIMITED, CA

[22] 2021-12-30

[41] 2023-06-30

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[21] 3,144,348

[13] A1

[51] Int.Cl. A45D 20/00 (2006.01)

[25] EN

[54] UNIVERSAL HAIR DRYER ATTACHMENT SYSTEM

[54] SYSTEME D'ACCESSOIRE DE SECHOIR A CHEVEUX UNIVERSEL

[72] LOOBIE, AISHA, CA

[71] LOOBIE, AISHA, CA

[22] 2021-12-30

[41] 2023-06-30

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[21] 3,144,375

[13] A1

[51] Int.Cl. F16B 2/08 (2006.01) B65D 63/10 (2006.01) F16L 3/137 (2006.01) F16L 3/233 (2006.01) F16L 33/03 (2006.01)

[25] EN

[54] STRAPTEC

[54] STRAPTEC

[72] DAUM, EARL, CA

[71] DAUM, EARL, CA

[22] 2021-12-29

[41] 2023-06-29

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**Canadian Applications Open to Public Inspection**  
**June 25, 2023 to July 1, 2023**

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<p style="text-align: right;">[21] <b>3,144,586</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04L 41/12 (2022.01) H04B 3/48 (2015.01)</p> <p>[25] EN</p> <p>[54] MAPPING, CHARACTERIZATION AND LOCALIZATION METHODS AND SYSTEMS FOR COMMUNICATION NETWORKS</p> <p>[54] METHODES ET SYSTEMES DE CARTOGRAPHIE, DE CARACTERISATION ET DE LOCALISATION POUR DES RESEAUX DE COMMUNICATION</p> <p>[72] FARAJ FARJOW, WISAM H., CA</p> <p>[71] NEURATECH COMMUNICATIONS INC., CA</p> <p>[22] 2021-12-31</p> <p>[41] 2023-06-30</p>
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<p style="text-align: right;">[21] <b>3,144,595</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06Q 40/04 (2012.01) G06F 16/22 (2019.01)</p> <p>[25] EN</p> <p>[54] STORAGE OF ORDER BOOKS WITH PERSISTENT DATA STRUCTURES</p> <p>[54] STOCKAGE DE LIVRES DE COMMANDES DANS DES STRUCTURES DE DONNEES PERMANENTES</p> <p>[72] OSTROVSKI, ALEKSANDER, CA</p> <p>[71] TSX INC., CA</p> <p>[22] 2021-12-31</p> <p>[41] 2023-06-30</p>
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<p style="text-align: right;">[21] <b>3,144,605</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06T 19/00 (2011.01) G06F 30/10 (2020.01) G06F 3/04815 (2022.01) G06F 17/00 (2019.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR INTERACTIVE CUSTOMISATION AND VISUALISATION OF VIRTUAL ENVIRONMENTS AND FOR DIGITALLY CONFIGURING VIRTUAL OBJECT ASSEMBLIES</p> <p>[54] METHODES ET SYSTEMES POUR LA PERSONNALISATION ET LA VISUALISATION INTERACTIVES D'ENVIRONNEMENTS VIRTUELS ET LA CONFIGURATION NUMERIQUE D'ASSEMBLAGES D'OBJETS VIRTUELS</p> <p>[72] JENSEN, EEVIA, CA</p> <p>[72] HILLIER, RICHARD, CA</p> <p>[72] NAUMOV, ROMAN, CA</p> <p>[71] PICTURE THIS TODAY 3D INC., CA</p> <p>[22] 2021-12-30</p> <p>[41] 2023-06-30</p>
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<p style="text-align: right;">[21] <b>3,144,628</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E04H 1/12 (2006.01) A45F 3/00 (2006.01) E04H 15/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PORTABLE WEATHER GUARD AND SAFETY SHELTER</p> <p>[54] PROTECTION CONTRE LES INTEMPERIES PORTATIVE ET ABRI DE SURETE</p> <p>[72] RAMSEY, SEAN, CA</p> <p>[71] RAMSEY, SEAN, CA</p> <p>[22] 2021-12-31</p> <p>[41] 2023-06-30</p>
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<p style="text-align: right;">[21] <b>3,145,083</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F24B 15/00 (2006.01) F23J 1/04 (2006.01) F24B 1/191 (2006.01)</p> <p>[25] EN</p> <p>[54] FIRE PIT DEVICE</p> <p>[54] DISPOSITIF DE FOYER</p> <p>[72] KREUTZER, LESLIE, CA</p> <p>[71] KREUTZER, LESLIE, CA</p> <p>[22] 2021-12-30</p> <p>[41] 2023-06-30</p>
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<p style="text-align: right;">[21] <b>3,146,529</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 1/16 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPUTER CASE MOUNT</p> <p>[54] SOCLE A BOITIER D'ORDINATEUR</p> <p>[72] HIRSTEIN, CODY RYAN, US</p> <p>[72] MEYER, BRANDON, US</p> <p>[71] CKNAPP SALES, INC., US</p> <p>[22] 2022-01-24</p> <p>[41] 2023-06-28</p> <p>[30] US (17/564,172) 2021-12-28</p>
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<p style="text-align: right;">[21] <b>3,154,188</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06V 20/50 (2022.01) G06V 10/82 (2022.01) G06T 7/00 (2017.01)</p> <p>[25] EN</p> <p>[54] AUTOMATED BUILDING INFORMATION DETERMINATION USING INTER-IMAGE ANALYSIS OF MULTIPLE BUILDING IMAGES</p> <p>[54] DETERMINATION AUTOMATISEE DE RENSEIGNEMENTS DE BATIMENT AU MOYEN DE L'ANALYSE INTER-IMAGE DE MULTIPLES IMAGES DE BATIMENT</p> <p>[72] HUTCHCROFT, WILL ADRIAN, US</p> <p>[72] LI, YUGUANG, US</p> <p>[72] WAN, ZHIQIANG, US</p> <p>[72] BOYADZHIEV, IVAYLO, US</p> <p>[71] ZILLOW, INC., US</p> <p>[22] 2022-04-05</p> <p>[41] 2023-06-28</p> <p>[30] US (17/564,054) 2021-12-28</p>
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<p style="text-align: right;">[21] <b>3,154,523</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61L 9/20 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR DISINFECTING AIR</p> <p>[54] SYSTEME ET METHODE DE DESINFECTION DE L'AIR</p> <p>[72] SALSAI, HAMIDREZA, CA</p> <p>[71] 2773065 ONTARIO INCORPORATED, CA</p> <p>[71] 2773065 ONTARIO INCORPORATED, CA</p> <p>[22] 2022-04-07</p> <p>[41] 2023-06-30</p> <p>[30] CA (3144396) 2021-12-30</p>
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**Demandes canadiennes mises à la disponibilité du public**  
**25 juin 2023 au 1 juillet 2023**

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<p>[21] <b>3,158,062</b>  [13] A1</p> <p>[51] Int.Cl. A43B 3/00 (2022.01) G16H  50/20 (2018.01) A43D 1/00 (2006.01)  A61B 5/11 (2006.01) G01L 1/14  (2006.01)</p> <p>[25] EN</p> <p>[54] A SMART SHOE SYSTEM AND METHODS OF USING SAME</p> <p>[54] SYSTEME DE CHAUSSURE INTELLIGENTE ET METHODE D'UTILISATION</p> <p>[72] KOLEILAT, GHADA, CA</p> <p>[72] GHASEMI GHODRAT, ALIREZA, CA</p> <p>[71] AVISENSX INC., CA</p> <p>[22] 2022-05-09</p> <p>[41] 2023-06-30</p>
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<p>[21] <b>3,163,832</b>  [13] A1</p> <p>[51] Int.Cl. A61L 9/18 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR DISINFECTING AIR</p> <p>[54] SYSTEME ET METHODE DE DESINFECTION DE L'AIR</p> <p>[72] SALBALI, HAMIDREZA, CA</p> <p>[71] 2773065 ONTARIO INCORPORATED, CA</p> <p>[22] 2022-06-17</p> <p>[41] 2023-06-30</p> <p>[30] CA (3,144,396) 2021-12-30</p> <p>[30] CA (3,154,523) 2022-04-07</p>
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<p>[21] <b>3,177,796</b>  [13] A1</p> <p>[51] Int.Cl. A63H 33/14 (2006.01)</p> <p>[25] EN</p> <p>[54] KIT WITH PLURALITY OF BLOCKS FOR CONSTRUCTING CRAFT</p> <p>[54] TROUSSE COMPRENANT UNE PLURALITE DE BLOCS POUR LA CONSTRUCTION D'UNE EMBARCATION</p> <p>[72] ROBBINS, ANNALEE, CA</p> <p>[72] LENTINI, MATTHEW, CA</p> <p>[72] PRYSZLAK, KATHERINE, CA</p> <p>[72] LUTZ, SCOTT, CA</p> <p>[71] SPIN MASTER LTD., CA</p> <p>[22] 2022-09-29</p> <p>[41] 2023-07-01</p> <p>[30] US (63/295,882) 2022-01-01</p>
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<p>[21] <b>3,179,255</b>  [13] A1</p> <p>[51] Int.Cl. E04B 7/16 (2006.01) E04B 7/00  (2006.01) E04F 10/10 (2006.01)</p> <p>[25] EN</p> <p>[54] LOUVER ROOF STRUCTURE</p> <p>[54] STRUCTURE DE COUVERTURE A PERSIENNES</p> <p>[72] FITZGERALD, LISA, US</p> <p>[71] RENAISSANCE PATIO PRODUCTS INC., US</p> <p>[22] 2022-10-14</p> <p>[41] 2023-06-30</p> <p>[30] US (17/566,791) 2021-12-31</p> <p>[30] US (17/895,568) 2022-08-25</p>
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<p>[21] <b>3,182,265</b>  [13] A1</p> <p>[51] Int.Cl. A01K 1/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CONNECTING RINGS FOR SMALL ANIMAL HABITAT PARTS</p> <p>[54] BAGUES DE CONNEXION POUR PETITES PIECES D'HABITAT POUR ANIMAUX</p> <p>[72] TAMULEWICZ, PAUL, US</p> <p>[71] PETSMART HOME OFFICE, INC., US</p> <p>[22] 2022-11-17</p> <p>[41] 2023-06-28</p> <p>[30] US (17/563,534) 2021-12-28</p>
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<p>[21] <b>3,179,503</b>  [13] A1</p> <p>[51] Int.Cl. G06N 3/04 (2023.01) G06N 3/08 (2023.01) G06Q 10/04 (2023.01)</p> <p>[25] EN</p> <p>[54] DEEP LEARNING MODELS PROCESSING TIME SERIES DATA</p> <p>[54] DONNEES CHRONOLOGIQUES DE TRAITEMENT DE MODELES D'APPRENTISSAGE PROFOND</p> <p>[72] DESAI, VIJAY, US</p> <p>[72] PRAKASH, RAVI, IN</p> <p>[72] KHAN, ABDUS SABOOR, US</p> <p>[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB</p> <p>[22] 2022-10-14</p> <p>[41] 2023-06-28</p> <p>[30] US (17/563,924) 2021-12-28</p>
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<p>[21] <b>3,182,471</b>  [13] A1</p> <p>[51] Int.Cl. G06V 30/19 (2022.01) G06F 16/903 (2019.01) G06V 10/25 (2022.01) G06V 10/82 (2022.01) G06V 30/16 (2022.01) G06Q 30/0241 (2023.01)</p> <p>[25] EN</p> <p>[54] METHODS, SYSTEMS, ARTICLES OF MANUFACTURE, AND APPARATUS FOR PROCESSING AN IMAGE USING VISUAL AND TEXTUAL INFORMATION</p> <p>[54] METHODES, SYSTEMES, ARTICLES DE FABRICATION ET APPAREIL POUR LE TRAITEMENT D'UNE IMAGE AU MOYEN DES RENSEIGNEMENTS VISUELS ET TEXTUELS</p> <p>[72] CEBRIAN, JAVIER MARTINEZ, ES</p> <p>[72] ARROYO, ROBERTO, ES</p> <p>[72] JIMENEZ, DAVID, ES</p> <p>[71] NIELSEN CONSUMER LLC, US</p> <p>[22] 2022-11-18</p> <p>[41] 2023-06-30</p> <p>[30] US (17/566,135) 2021-12-30</p>
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<p>[21] <b>3,180,856</b>  [13] A1</p> <p>[51] Int.Cl. C23F 17/00 (2006.01) B05D 5/02 (2006.01) B24C 1/10 (2006.01) B64D 11/02 (2006.01) C21D 7/06 (2006.01) C23C 8/58 (2006.01) C23C 22/50 (2006.01)</p> <p>[25] EN</p> <p>[54] COATING-FREE ANTIMICROBIAL STAINLESS STEEL SURFACES</p> <p>[54] SURFACES D'ACIER INOXIDABLE ANTIMICROBIENNES SANS REVETEMENT</p> <p>[72] HU, JIN, US</p> <p>[71] GOODRICH CORPORATION, US</p> <p>[22] 2022-11-02</p> <p>[41] 2023-06-27</p> <p>[30] US (17/562,194) 2021-12-27</p>
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**Canadian Applications Open to Public Inspection**  
**June 25, 2023 to July 1, 2023**

<p style="text-align: right; margin-top: -10px;"><b>[21] 3,182,764</b></p> <p style="text-align: right;">[13] A1</p> <p>[25] EN  [54] DUMMY LOAD CONTROL CIRCUIT AND LIGHTING DEVICE COMPATIBLE WITH TRIAC DIMMER  [54] CIRCUIT DE COMMANDE DE CHARGE FICTIVE ET DISPOSITIF D'ECLAIRAGE COMPATIBLES AVEC UN GRADATEUR A TRIACS  [72] YAO, PAN, CN  [72] CHEN, WEIHU, CN  [72] WANG, AIJUN, CN  [72] FU, YAO, CN  [72] WANG, ZHIYONG, CN  [71] SAVANT TECHNOLOGIES LLC, US  [22] 2022-11-24  [41] 2023-06-30  [30] CN (202123421242.2) 2021-12-31</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,183,851</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E03C 1/04 (2006.01) E03C 1/02 (2006.01)  [25] EN  [54] FAUCET SPOUT MOUNTING ASSEMBLY  [54] ASSEMBLAGE DE MONTAGE DE BEC DE ROBINET  [72] HAYES, GERALD ROBERT, US  [72] SORRELL, SCOTT ELLIS, US  [71] DELTA FAUCET COMPANY, US  [22] 2022-12-13  [41] 2023-06-30  [30] US (17/566,755) 2021-12-31</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,184,497</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61N 5/06 (2006.01)  [25] EN  [54] DEVICE FOR PHOTO-THERAPY AND USE THEREOF  [54] DISPOSITIF DE PHOTOTHERAPIE ET UTILISATION CONNEXE  [72] WOODBURN, WILLIAM, US  [71] TCELLERATE LLC, US  [22] 2022-12-21  [41] 2023-06-30  [30] US (17/646,613) 2021-12-30</p>
<p style="text-align: right; margin-top: -10px;"><b>[21] 3,183,260</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01B 76/00 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01) A01C 7/20 (2006.01)  [25] EN  [54] SYSTEM AND METHOD FOR CONTROLLING FAN OPERATION OF AN AGRICULTURAL IMPLEMENT  [54] SYSTEME ET PROCEDE DE COMMANDE DU FONCTIONNEMENT DE LA SOUFFLANTE D'UN OUTIL AGRICOLE  [72] THOMPSON, DENNIS GEORGE, US  [71] CNH INDUSTRIAL CANADA, LTD., CA  [22] 2022-12-05  [41] 2023-06-29  [30] US (17/564,916) 2021-12-29</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,184,280</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C08L 75/04 (2006.01) C08J 3/20 (2006.01) C08J 9/14 (2006.01) C08L 83/12 (2006.01) C09K 21/14 (2006.01) C08G 18/24 (2006.01)  [25] EN  [54] OPEN CELL POLYURETHANE FLAME RETARDANT FOAMS  [54] MOUSSES ININFLAMMABLES DE POLYURETHANE A ALVEOLES OUVERTS  [72] TAYLOR, ANTHONY J., US  [72] SHINKO, ANDREW P., US  [72] KEEN, MARK A., US  [71] ICP CONSTRUCTION, INC., US  [22] 2022-12-16  [41] 2023-06-27  [30] US (17/562,514) 2021-12-27</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,184,535</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B33Y 10/00 (2015.01) H01M 50/569 (2021.01) H01M 10/48 (2006.01)  [25] EN  [54] SEMICONDUCTOR BASED MATERIAL FOR BATTERY HEALTH AND PERFORMANCE ASSESSMENT AND MONITORING IN THE SUB-CELL LEVEL  [54] MATERIAU SEMICONDUCTEUR POUR L'EVALUATION DE L'ETAT ET DU RENDEMENT D'UNE BATTERIE ET LA SURVEILLANCE DANS LE NIVEAU DES CELLULES SECONDAIRES  [72] SHOKRZADEH, SHAHAB, CA  [72] FARHAT, POONEH, CA  [71] SPINORX INC., CA  [22] 2022-12-22  [41] 2023-06-30  [30] US (63/266,322) 2021-12-31</p>
<p style="text-align: right; margin-top: -10px;"><b>[21] 3,183,269</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01C 7/08 (2006.01) A01C 5/06 (2006.01) A01C 7/20 (2006.01)  [25] EN  [54] AUTOMATIC HEADLAND FAN CONTROL  [54] COMMANDE AUTOMATIQUE DE SOUFFLANTE DE TOURNIERE  [72] THOMPSON, DENNIS GEORGE, US  [71] CNH INDUSTRIAL CANADA, LTD., CA  [22] 2022-12-05  [41] 2023-06-29  [30] US (17/565,094) 2021-12-29</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,184,385</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E05D 7/00 (2006.01) E05D 11/00 (2006.01) E05D 15/24 (2006.01) E06B 3/48 (2006.01) E06B 3/50 (2006.01)  [25] EN  [54] HINGE SYSTEM AND METHOD FOR A SEGMENTED DOOR  [54] SYSTEME DE CHARNIERES ET METHODE POUR UNE PORTE SEGMENTEE  [72] LEE, BRADLEY J., US  [71] OVERHEAD DOOR CORPORATION, US  [22] 2022-12-20  [41] 2023-06-27  [30] US (17/562,663) 2021-12-27</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,184,588</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B05B 7/16 (2006.01)  [25] EN  [54] ELECTRONIC ATOMIZING DEVICE AND ATOMIZING METHOD  [54] DISPOSITIF DE VAPORISATION ELECTRONIQUE ET METHODE DE VAPORISATION  [72] SU, YANQIN, CN  [72] XIAO, FENG, CN  [71] JIANGMEN MOORE TECHNOLOGY., LTD, CN  [22] 2022-12-28  [41] 2023-06-30  [30] CN (202123455155.9) 2021-12-31</p>

**Demandes canadiennes mises à la disponibilité du public**  
**25 juin 2023 au 1 juillet 2023**

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[21] **3,184,593**  
 [13] A1

- [51] Int.Cl. F16K 1/02 (2006.01) F16K 31/04 (2006.01)
  - [25] EN
  - [54] PROPORTIONAL FLOW CONTROL VALVE
  - [54] ROBINET DE REGLAGE PROPORTIONNEL
  - [72] SOBKA, DAVID M., JR, US
  - [72] SIMMONDS, JEFFREY S., US
  - [71] MAC VALVES, INC., US
  - [22] 2022-12-23
  - [41] 2023-06-28
  - [30] US (63/294,240) 2021-12-28
  - [30] US (18/082.832) 2022-12-16
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[21] **3,184,595**  
 [13] A1

- [51] Int.Cl. B66C 15/00 (2006.01) A62B 1/22 (2006.01) B66C 23/88 (2006.01) E04G 5/00 (2006.01) E04G 21/32 (2006.01) F16P 1/00 (2006.01)
  - [25] EN
  - [54] CRANE FALL PROTECTION SYSTEM
  - [54] SYSTEME DE PROTECTION CONTRE LES CHUTES DE GRUE
  - [72] BENJAMIN, TIMOTHY J., US
  - [72] BOUDREAUX, BRIAN ANDREW, US
  - [72] VON KURNATOWSKI, ROLAND, US
  - [72] SCHULTZ, ZACH, US
  - [72] TUCKER, MEREDITH, US
  - [71] MARMON CRANE SERVICES, INC., US
  - [22] 2022-12-28
  - [41] 2023-06-28
  - [30] US (63/294,101) 2021-12-28
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[21] **3,184,596**  
 [13] A1

- [51] Int.Cl. F16D 1/02 (2006.01) F16D 1/10 (2006.01)
  - [25] EN
  - [54] WORK TOOL AND TRANSMISSION SYSTEM THEREOF
  - [54] OUTIL DE TRAVAIL ET SYSTEME DE TRANSMISSION CONNEXE
  - [72] SABIC, ADIS, CN
  - [72] LU, XI RAN, CN
  - [72] HU, RUO YANG, CN
  - [71] TECHTRONIC CORDLESS GP, US
  - [22] 2022-12-22
  - [41] 2023-06-28
  - [30] CN (202111621547.X) 2021-12-28
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[21] **3,184,604**  
 [13] A1

- [51] Int.Cl. C02F 1/42 (2006.01) C02F 1/00 (2006.01)
  - [25] EN
  - [54] WATER TREATMENT TANK WITH CONDUCTIVITY MONITOR
  - [54] RESERVOIR DE TRAITEMENT D'EAU AVEC MONITEUR DE CONDUCTIVITE
  - [72] VAUGHAN, DON, US
  - [71] CLACK CORPORATION, US
  - [22] 2022-12-28
  - [41] 2023-06-29
  - [30] US (17/564,642) 2021-12-29
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[21] **3,184,605**  
 [13] A1

- [25] EN
  - [54] BSIDIFF DELTA UPGRADE IN EXTERNAL STORAGE
  - [54] MISE A NIVEAU DU DELTA DE BSIDIFF DANS LA MEMOIRE EXTERNE
  - [72] SCHNEIDER, MAXIMILIAN WALDO, US
  - [71] HONEYWELL INTERNATIONAL INC., US
  - [22] 2022-12-13
  - [41] 2023-06-27
  - [30] US (17/646040) 2021-12-27
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[21] **3,184,643**  
 [13] A1

- [51] Int.Cl. B25J 9/18 (2006.01)
  - [25] EN
  - [54] SYSTEMS AND METHODS FOR POWERING ROBOTS
  - [54] SYSTEMES ET METHODES POUR ALIMENTER DES ROBOTS
  - [72] SHANNON, CONNOR, CA
  - [71] SANCTUARY COGNITIVE SYSTEMS CORPORATION, CA
  - [22] 2022-12-27
  - [41] 2023-06-27
  - [30] US (63/293,973) 2021-12-27
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[21] **3,184,656**  
 [13] A1

- [51] Int.Cl. G06F 3/039 (2013.01) G06F 3/0354 (2013.01)
  - [25] EN
  - [54] ADJUSTABLE SUPPORTING ASSEMBLY FOR USER OF ERGONOMIC MOUSE, AND ERGONOMIC ADJUSTABLE COMPUTER MOUSE
  - [54] ASSEMBLAGE DE SUPPORT AJUSTABLE POUR UN UTILISATEUR D'UNE SOURIS ERGONOMIQUE ET SOURIS ERGONOMIQUE AJUSTABLE
  - [72] OHANIAN, ARA, US
  - [71] OHANIAN, ARA, US
  - [22] 2022-12-23
  - [41] 2023-06-28
  - [30] US (63/294,079) 2021-12-28
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[21] **3,184,663**  
 [13] A1

- [51] Int.Cl. B05B 7/16 (2006.01) B05B 12/00 (2018.01)
  - [25] EN
  - [54] MAIN UNIT AND ELECTRONIC ATOMIZATION DEVICE
  - [54] UNITE PRINCIPALE ET DISPOSITIF DE VAPORISATION ELECTRONIQUE
  - [72] YUAN, HUAKAI, CN
  - [71] JIANGMEN MOORE TECHNOLOGY., LTD, CN
  - [22] 2022-12-29
  - [41] 2023-06-30
  - [30] CN (202111651880.5) 2021-12-30
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[21] **3,184,668**  
 [13] A1

- [51] Int.Cl. E03C 1/05 (2006.01) A47K 5/06 (2006.01) E03C 1/04 (2006.01) F16K 31/02 (2006.01)
- [25] EN
- [54] CAPACITIVE SENSING FAUCET SYSTEM
- [54] SYSTEME DE ROBINET A DETECTION CAPACITIVE
- [72] MCLENNAN, PAUL, CA
- [72] MOUSAVI, AHMAD, CA
- [72] LU, XIANLIANG, CA
- [71] MASCO CANADA LIMITED, CA
- [22] 2022-12-29
- [41] 2023-06-29
- [30] US (63/294,722) 2021-12-29

**Canadian Applications Open to Public Inspection**  
**June 25, 2023 to July 1, 2023**

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[21] 3,184,672
[13] A1
[51] Int.Cl. F24F 11/50 (2018.01) F24F 11/49 (2018.01)
[25] EN
[54] SPACE CONDITIONING CONTROL AND MONITORING METHOD AND SYSTEM
[54] METHODE ET SYSTEME DE COMMANDE ET DE SURVEILLANCE DU CONDITIONNEMENT D'ESPACE
[72] BROWN, ROBERT R., US
[71] WATERFURNACE INTERNATIONAL, INC., US
[22] 2022-12-29
[41] 2023-06-30
[30] US (63/295,746) 2021-12-31
[30] US (18/089,981) 2022-12-28

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[21] 3,184,685
[13] A1
[51] Int.Cl. B32B 5/14 (2006.01) B32B 13/00 (2006.01) B32B 37/15 (2006.01)
[25] EN
[54] PLASTER BOARDS AND METHODS FOR MAKING THEM
[54] PANNEAUX DE PLATRE ET METHODES DE FABRICATION
[72] JONES, ROGER, US
[72] FEY, KAREN, US
[72] BRADLEY, MARK, US
[72] OVERTON, JOHN, US
[72] THOMAS, ARUN, US
[72] GHOSH, ANIRBAN, US
[72] LEEDY, JAMES, US
[71] CERTAINTEED GYPSUM, INC., US
[22] 2022-12-29
[41] 2023-06-29
[30] US (63/294,616) 2021-12-29

[21] 3,184,766
[13] A1
[51] Int.Cl. G06N 3/08 (2023.01) G06N 3/02 (2006.01)
[25] EN
[54] ARTIFICIAL NEURAL NETWORK FOR DATA IMBALANCED REGRESSION AND METHOD FOR TRAINING SAME
[54] RESEAU NEURONAL ARTIFICIEL POUR LA REGRESSION DESEQUILIBREE DE DONNEES ET METHODE D'ENTRAINEMENT
[72] GONG, YU, CA
[72] TUNG, FREDERICK, CA
[72] MORI, GREG, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2022-12-29
[41] 2023-06-30
[30] US (63/295,661) 2021-12-31

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[21] 3,184,680
[13] A1
[51] Int.Cl. E04D 1/22 (2006.01) A01N 25/26 (2006.01) A01N 61/00 (2006.01) A01P 13/00 (2006.01) B32B 5/16 (2006.01) B32B 37/24 (2006.01) C09C 3/00 (2006.01) E04D 3/18 (2006.01) E04D 5/08 (2006.01)
[25] EN
[54] ROOFING GRANULE MIXTURES FOR ALGAE-RESISTANT ROOFING SHINGLES
[54] MELANGES DE GRANULES DE COUVERTURE POUR DES BARDEAUX DE COUVERTURE RESISTANTS AUX ALGUES
[72] TANG, XIAOFENG, US
[72] MASSARA, VALERIO, IT
[71] CERTAINTEED LLC, US
[22] 2022-12-29
[41] 2023-06-29
[30] US (63/294,733) 2021-12-29

[21] 3,184,749
[13] A1
[51] Int.Cl. E04D 1/12 (2006.01)
[25] EN
[54] SHINGLES HAVING OVERPRESSED NAILING ZONES AND METHODS FOR MAKING THE SAME
[54] BARDEAUX COMPRENANT DES ZONES DE CLOUAGE SURPRESSEES ET METHODES DE FABRICATION
[72] JACOBS, GREGORY F., US
[71] CERTAINTEED LLC, US
[22] 2022-12-29
[41] 2023-06-29
[30] US (63/294,667) 2021-12-29
[30] US (63/309,107) 2022-02-11

[21] 3,184,776
[13] A1
[25] EN
[54] LOUDSPEAKER ENCLOSURE
[54] ENCEINTE ACOUSTIQUE
[72] CLEMENTS, ROSS, CA
[71] CLEMENTS, ROSS, CA
[22] 2022-12-29
[41] 2023-06-30
[30] CA (3,144,615) 2021-12-31

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[21] 3,184,799
[13] A1
[25] EN
[54] A SELF-BALLASTED PRE-ENGINEERED MODULAR PLATFORM ASSEMBLED ONSITE FOR GENERATING ELECTRICITY WITH BIFACIAL PHOTOVOLTAIC MODULES
[54] PLATEFORME MODULAIRE PRECONCUE A BALLAST AUTONOME ASSEMBLEE SUR PLACE POUR GENERER DE L'ELECTRICITE AVEC DES MODULES PHOTOVOLTAIQUES BIFACES
[72] KEARNS, LAWRENCE, US
[71] KEARNS, LAWRENCE, US
[22] 2022-12-29
[41] 2023-06-29
[30] US (63/294,464) 2021-12-29
[30] US (18/082,867) 2022-12-16

## Demandes canadiennes mises à la disponibilité du public

25 juin 2023 au 1 juillet 2023

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**[21] 3,184,830**

[13] A1

- [51] Int.Cl. G06Q 10/0639 (2023.01) G16H 50/30 (2018.01) G06Q 10/0635 (2023.01)
  - [25] EN
  - [54] PREDICTING EMPLOYEE WELLNESS USING PASSIVELY COLLECTED DATA
  - [54] PREDICTION DU MIEUX-ETRE DES EMPLOYES AU MOYEN DE DONNEES RECUEILLIES PASSIVEMENT
  - [72] AHMADI, ALIREZA, CA
  - [72] DERKACH, LEX, CA
  - [72] VERITY, CHAD, CA
  - [72] NORRIS, DEVIN, CA
  - [72] JETHA, NURAN, CA
  - [71] HOLMETRICS INC., CA
  - [22] 2022-12-30
  - [41] 2023-06-30
  - [30] US (63/295498) 2021-12-30
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**[21] 3,184,888**

[13] A1

- [25] EN
- [54] LINE-SHAPED HEATER AND AN OPTICAL RESONATOR WITH PORTIONS ON OPPOSITE SIDES OF THE LIN-SHAPED HEATER
- [54] RADIATEUR EN TUBE ET RESONATEUR OPTIQUE AVEC DES PARTIES SUR LES COTES OPPOSES DU RADIATEUR
- [72] MURRAY, KYLE, DE
- [71] RANOVUS INC., CA
- [22] 2022-12-07
- [41] 2023-06-30
- [30] US (63/295,697) 2021-12-31

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**[21] 3,184,890**

[13] A1

- [51] Int.Cl. A61F 2/02 (2006.01) A61F 2/00 (2006.01) A61F 2/08 (2006.01) A61N 1/05 (2006.01)
  - [25] EN
  - [54] COMPRESSIBLE, MINIMALLY INVASIVE IMPLANTS AND RELATED SYSTEMS AND METHODS
  - [54] IMPLANTS COMPRIMABLES PEU INVASIFS ET SYSTEMES ET METHODES CONNEXES
  - [72] WEBER, PAUL, CH
  - [72] WEBER, TAIYO, CH
  - [71] WEBER, PAUL, CH
  - [71] WEBER, TAIYO, CH
  - [22] 2022-12-30
  - [41] 2023-06-30
  - [30] US (17/650,459) 2022-02-09
  - [30] US (63/295068) 2021-12-30
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**[21] 3,184,892**

[13] A1

- [51] Int.Cl. G06F 16/90 (2019.01)
- [25] EN
- [54] DATA ANALYSIS METHOD AND DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM
- [54] METHODE ET DISPOSITIF D'ANALYSE DE DONNEES, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE
- [72] YANG, YU, CN
- [72] CHEN, QIANG, CN
- [72] WANG, GUANGBANG, CN
- [72] SUN, QIAN, CN
- [71] 10353744 CANADA LTD., CA
- [22] 2022-12-23
- [41] 2023-06-29
- [30] CN (202111641836.6) 2021-12-29

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**[21] 3,184,895**

[13] A1

- [51] Int.Cl. G06F 16/27 (2019.01) G06F 3/0481 (2022.01) G06F 16/24 (2019.01)
  - [25] EN
  - [54] USER BEHAVIOR DATA WRITING METHOD AND DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM
  - [54] METHODE ET DISPOSITIF D'ECRITURE DE DONNEES SUR LE COMPORTEMENT UTILISATEUR, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE
  - [72] FAN, DONG, CN
  - [72] LI, CHENG, CN
  - [72] SUN, QIAN, CN
  - [72] FANG, WUYUAN, CN
  - [72] WANG, JINZHONG, CN
  - [71] 10353744 CANADA LTD., CA
  - [22] 2022-12-23
  - [41] 2023-06-29
  - [30] CN (202111641860.X) 2021-12-29
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**[21] 3,185,080**

[13] A1

- [51] Int.Cl. E21B 47/008 (2012.01)
- [25] EN
- [54] DETECTING EVENTS IN PROGRESSING CAVITY PUMP OPERATION AND MAINTENANCE BASED ON ANOMALY AND DRIFT DETECTION
- [54] DETECTION D'EVENEMENTS DANS LE FONCTIONNEMENT D'UNE POMPE A VIS ET MAINTENANCE EN FONCTION DE LA DETECTION D'UNE ANOMALIE ET D'UNE DEVIATION
- [72] BOGUSLAWSKI, BARTOSZ, US
- [72] BISSUEL-BEAUVAINS, LORYNE, US
- [72] BOUJONNIER, MATTHIEU, US
- [71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US
- [22] 2022-12-12
- [41] 2023-06-28
- [30] US (17/564,095) 2021-12-28

**Canadian Applications Open to Public Inspection**  
**June 25, 2023 to July 1, 2023**

<p>[21] <b>3,185,300</b>  [13] A1</p> <p>[25] EN  [54] <b>BATTERY PACK AND STATE OF CHARGE ESTIMATION METHOD THEREOF</b>  [54] <b>BATTERIE D'ALIMENTATION ET METHODE D'ESTIMATION DE L'ETAT DE CHARGE</b>  [72] ZHAO, CHENYAN, CN  [72] LI, JU, CN  [72] WANG, HONGWEI, CN  [71] NANJING CHERVON INDUSTRY CO., LTD., CN  [22] 2022-12-15  [41] 2023-06-28  [30] CN (202111632544.6) 2021-12-28  [30] US (18/073,687) 2022-12-02</p>	<p>[21] <b>3,185,325</b>  [13] A1</p> <p>[51] Int.Cl. B23P 19/02 (2006.01) B23P 19/04 (2006.01)  [25] EN  [54] <b>TOOL ASSEMBLY AND METHOD FOR REMOVING A COMPONENT MOUNTED TO A CARRIER</b>  [54] <b>ASSEMBLAGE D'OUTIL ET METHODE POUR RETIRER UN COMPOSANT MONTE SUR UN SUPPORT</b>  [72] MASSICOTTE, FRANCOIS, CA  [72] MARSAN, ALEXANDRE, CA  [71] PRATT &amp; WHITNEY CANADA CORP., CA  [22] 2022-12-15  [41] 2023-06-27  [30] US (17/562,454) 2021-12-27</p>	<p>[21] <b>3,185,439</b>  [13] A1</p> <p>[51] Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01) A24F 40/42 (2020.01)  [25] EN  [54] <b>VAPORIZATION TOP BASE, VAPORIZER, AND ELECTRONIC VAPORIZATION DEVICE</b>  [54] <b>BASE DE HAUT DE VAPORISATION, VAPORISATEUR ET DISPOSITIF DE VAPORISATION ELECTRONIQUE</b>  [72] OU, GUOLIANG, CN  [71] JIANGMEN MOORE TECHNOLOGY., LTD, CN  [22] 2022-12-20  [41] 2023-06-30  [30] CN (202123432678.1) 2021-12-30</p>
<p>[21] <b>3,185,304</b>  [13] A1</p> <p>[51] Int.Cl. F16M 11/20 (2006.01) B64F 5/50 (2017.01)  [25] EN  [54] <b>GAS TURBINE ENGINE CASE FIXTURE ASSEMBLY WITH PLATFORM ADAPTOR</b>  [54] <b>ASSEMBLAGE DE FIXATION DE CARTER DE TURBINE A GAZ AVEC ADAPTATEUR DE PLATEFORME</b>  [72] MASSICOTTE, FRANCOIS, CA  [72] MARSAN, ALEXANDRE, CA  [71] PRATT &amp; WHITNEY CANADA CORP., CA  [22] 2022-12-15  [41] 2023-06-27  [30] US (17/562,558) 2021-12-27</p>	<p>[21] <b>3,185,359</b>  [13] A1</p> <p>[51] Int.Cl. G06F 3/048 (2013.01) G06N 20/00 (2019.01) G06V 30/40 (2022.01) G06N 3/0464 (2023.01) G06F 30/12 (2020.01)  [25] EN  [54] <b>INTELLIGENT AUTOMATION OF UI INTERACTIONS</b>  [54] <b>AUTOMATISATION INTELLIGENTE DES INTERACTIONS D'INTERFACE UTILISATEUR</b>  [72] SINGH, RAJPREET, IN  [72] SUDHAKAR PADIYAR, VEENA, IN  [72] VEERASANGAPPA KADI, VIRESH, IN  [72] MURUGASEN, MATHAN, IN  [71] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE  [22] 2022-12-15  [41] 2023-06-30  [30] US (17/566,992) 2021-12-31</p>	<p>[21] <b>3,185,506</b>  [13] A1</p> <p>[25] EN  [54] <b>DUAL LASER SLOPE ANGLE MEASURING DEVICE</b>  [54] <b>DISPOSITIF DE MESURE D'ANGLE DE PENTE A DEUX LASERS</b>  [72] TOOM, PAUL OTTO, CA  [71] CHERRY SYSTEMS RESEARCH INC., CA  [22] 2022-12-20  [41] 2023-06-29  [30] US (17/564,738) 2021-12-29</p>
<p>[21] <b>3,185,310</b>  [13] A1</p> <p>[51] Int.Cl. B23P 19/027 (2006.01) B23P 19/04 (2006.01)  [25] EN  [54] <b>TOOLS AND METHODS FOR ASSEMBLING A SEAL DEVICE OF A GAS TURBINE ENGINE</b>  [54] <b>OUTILS ET METHODES POUR L'ASSEMBLAGE D'UN DISPOSITIF D'ETANCHEITE D'UNE TURBINE A GAZ</b>  [72] MASSICOTTE, FRANCOIS, CA  [72] DESGAGNE, MAXIME, CA  [71] PRATT &amp; WHITNEY CANADA CORP., CA  [22] 2022-12-15  [41] 2023-06-27  [30] US (17/562,482) 2021-12-27</p>	<p>[21] <b>3,185,524</b>  [13] A1</p> <p>[51] Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01) A61M 11/04 (2006.01)  [25] EN  [54] <b>ELECTRONIC VAPORIZATION DEVICE AND VAPORIZER</b>  [54] <b>DISPOSITIF DE VAPORISATION ELECTRONIQUE ET VAPORISATEUR</b>  [72] HU, BING, CN  [71] SHENZHEN SMOORE TECHNOLOGY LIMITED, CN  [22] 2022-12-21  [41] 2023-06-28  [30] CN (202111628872.9) 2021-12-28</p>	

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25 juin 2023 au 1 juillet 2023

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[13] A1

- [51] Int.Cl. C12Q 1/6886 (2018.01) C12Q 1/6809 (2018.01) G16B 40/20 (2019.01) G01N 33/48 (2006.01) G01N 33/50 (2006.01)
- [25] EN
- [54] A METHOD FOR SORTING COLORECTAL CANCER AND ADVANCED ADENOMA AND USE OF THE SAME
- [54] METHODE POUR DETECTER LE CANCER COLORECTAL ET UN ADENOME AVANCE, ET UTILISATION CONNEXE
- [72] HWANG, DA SOM, KR
- [72] YANG, HYO SEOK, KR
- [71] INOGENIX INC., KR
- [22] 2022-12-21
- [41] 2023-06-30
- [30] KR (10-2021-0193852) 2021-12-31
- [30] KR (10-2022-0170535) 2022-12-08
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[21] 3,185,617

[13] A1

- [51] Int.Cl. G02B 6/122 (2006.01) G02B 6/02 (2006.01) G02B 6/13 (2006.01) G02F 1/03 (2006.01)
- [25] EN
- [54] WAVEGUIDE FOR LOW LOSS, HIGH SPEED ELECTRO-OPTICAL MODULATOR
- [54] GUIDE D'ONDES POUR UN MODULATEUR ELECTRO-OPTIQUE HAUTE VITESSE A FAIBLE PERTE
- [72] OKHRIMCHUK, ANDREY, CH
- [72] LESOVIK, GORDEY, CH
- [72] ALAGASHEV, GRIGORY, CH
- [71] TERRA QUANTUM AG, CH
- [22] 2022-12-23
- [41] 2023-06-30
- [30] EP (21218377.6) 2021-12-30
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[21] 3,185,630

[13] A1

- [51] Int.Cl. B65G 45/22 (2006.01) B65G 45/10 (2006.01)
- [25] EN
- [54] CLEANING DEVICE FOR A CONVEYOR BELT CONTAMINATED WITH COATING AGENT RESIDUES, COATING DEVICE, METHOD FOR CLEANING A CONVEYOR BELT CONTAMINATED WITH COATING AGENT RESIDUES
- [54] DISPOSITIF DE NETTOYAGE POUR UNE BANDE TRANSPORTEUSE CONTAMINEE DE RESIDUS D'AGENTS DE REVETEMENT, DISPOSITIF DE REVETEMENT ET METHODE DE NETTOYAGE D'UNE BANDE TRANSPORTEUSE CONTAMINEE DE RESIDUS D'AGENTS DE REVETEMENT
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- [72] SCHEERER, MARCEL, DE
- [72] HOFFER, MICHAEL, DE
- [72] BRUMMERSTADT, MARTIN, DE
- [71] ROBERT BURKLE GMBH, DE
- [22] 2022-12-23
- [41] 2023-06-28
- [30] DE (102021006373.2) 2021-12-28
- [30] EP (22211192.4) 2022-12-02
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[21] 3,185,656

[13] A1

- [25] EN
- [54] VACUUM TESTING A SEAL WITHIN A GAS TURBINE ENGINE STRUCTURE
- [54] ESSAI SOUS VIDE D'UN JOINT D'ETANCHEITE DANS UNE STRUCTURE DE TURBINE A GAZ
- [72] MASSICOTTE, FRANCOIS, CA
- [72] DESGAGNE, MAXIME, CA
- [72] DESCENES, FREDERIC, CA
- [71] PRATT & WHITNEY CANADA CORP., CA
- [22] 2022-12-14
- [41] 2023-06-27
- [30] US (17/562,434) 2021-12-27
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[21] 3,185,670

[13] A1

- [51] Int.Cl. C11D 17/08 (2006.01) C11B 9/00 (2006.01) C11D 7/50 (2006.01)
- [25] EN
- [54] UNIT DOSE PRODUCT COMPRISING A LIQUID COMPOSITION WITH ENCAPSULATED FRAGRANCE
- [54] PRODUIT A DOSE UNITAIRE COMPRENANT UNE COMPOSITION LIQUIDE AVEC UN PARFUM ENCAPSULE
- [72] SUN, WEI, US
- [72] MCKEON, JESSICA EILEEN, US
- [72] DENG, YICHEN, US
- [71] HENKEL IP & HOLDING GMBH, DE
- [22] 2022-12-23
- [41] 2023-06-29
- [30] US (17/564,980) 2021-12-29
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[21] 3,185,695

[13] A1

- [25] EN
- [54] SYSTEMS, METHODS, AND APPARATUSES FOR BUFFER MANAGEMENT
- [54] SYSTEMES, PROCEDES ET DISPOSITIFS DE GESTION DE TAMPON
- [72] COSMO, JOSE ROMSIL LACANG, US
- [72] SMITH, ROBERT, US
- [71] COMCAST CABLE COMMUNICATIONS, LLC, US
- [22] 2022-12-23
- [41] 2023-06-30
- [30] US (17/566,341) 2021-12-30
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[21] 3,185,702

[13] A1

- [51] Int.Cl. A47L 11/34 (2006.01) A47L 5/24 (2006.01) A47L 5/36 (2006.01) A47L 11/40 (2006.01)
- [25] EN
- [54] SURFACE CLEANING APPARATUS WITH STEAM DELIVERY
- [54] APPAREIL DE NETTOYAGE DE SURFACE AVEC DISTRIBUTION DE VAPEUR
- [72] FORDAHL, JOSEPH D., US
- [72] NGUYEN, TOM MINH, US
- [71] BISSELL INC., US
- [22] 2022-12-23
- [41] 2023-06-30
- [30] US (63/294,890) 2021-12-30

**Canadian Applications Open to Public Inspection**  
**June 25, 2023 to July 1, 2023**

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<p>[21] <b>3,185,769</b>  [13] A1</p> <p>[51] Int.Cl. F16B 7/18 (2006.01) F03D  13/20 (2016.01) F16L 23/032 (2006.01)  E04H 12/00 (2006.01)</p> <p>[25] EN</p> <p>[54] FLANGE CONNECTION  BRIDE DE RACCORDEMENT</p> <p>[72] LUTKIEWICZ, PRZEMYSLAW, US</p> <p>[71] FREUDENBERG OIL &amp; GAS, LLC,  US</p> <p>[22] 2022-12-14</p> <p>[41] 2023-06-27</p> <p>[30] US (17/562,255) 2021-12-27</p>
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<p>[21] <b>3,185,772</b>  [13] A1</p> <p>[51] Int.Cl. A41D 13/12 (2006.01) A41D  13/11 (2006.01) A61F 9/04 (2006.01)  A62B 17/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SURGICAL GARMENT AND  METHODS OF DONNING THE  SAME</p> <p>[54] VETEMENT CHIRURGICAL ET  METHODES DE PORT</p> <p>[72] ESCHEN, KEVIN PAUL, US</p> <p>[72] BLOUGH, OWEN, US</p> <p>[72] VAN NORTWICK, MATTHEW, US</p> <p>[71] STRYKER CORPORATION, US</p> <p>[22] 2022-12-28</p> <p>[41] 2023-06-29</p> <p>[30] US (63/294,574) 2021-12-29</p> <p>[30] US (18/145,345) 2022-12-22</p>
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<p>[21] <b>3,185,779</b>  [13] A1</p> <p>[51] Int.Cl. G16H 30/40 (2018.01) G06F  3/0482 (2013.01) G16H 50/20  (2018.01) G06F 3/04815 (2022.01)</p> <p>[25] EN</p> <p>[54] CLINICAL DIAGNOSTIC AND  PATIENT INFORMATION  SYSTEMS AND METHODS</p> <p>[54] DIAGNOSTIC CLINIQUE ET  SYSTEMES ET METHODES DE  RENSEIGNEMENTS SUR LE  PATIENT</p> <p>[72] HYSON, REGINA MARIE, US</p> <p>[71] IDEXX LABORATORIES, INC., US</p> <p>[22] 2022-12-29</p> <p>[41] 2023-06-30</p> <p>[30] US (63/294,886) 2021-12-30</p>
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<p>[21] <b>3,185,817</b>  [13] A1</p> <p>[51] Int.Cl. G06F 17/00 (2019.01) G06F  16/29 (2019.01) G06F 18/23 (2023.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR  IDENTIFYING TYPE CURVE  REGIONS AS A FUNCTION OF  POSITION IN A REGION OF  INTEREST</p> <p>[54] SYSTEMES ET METHODES  D'IDENTIFICATION DES  REGIONS DE COURBE TYPES  COMME FONCTION D'UNE  POSITION DANS UNE REGION  D'INTERET</p> <p>[72] PROCHNOW, SHANE JAMES, US</p> <p>[72] CORMIER, BENJAMIN RODOLPHE,  US</p> <p>[72] TOHIDI, VAHID, US</p> <p>[72] WAN, MICHELLE, US</p> <p>[71] CHEVRON U.S.A. INC., US</p> <p>[22] 2022-12-22</p> <p>[41] 2023-06-27</p> <p>[30] US (17/562629) 2021-12-27</p>
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<p>[21] <b>3,185,832</b>  [13] A1</p> <p>[51] Int.Cl. C02F 11/16 (2006.01) C02F  11/02 (2006.01) C02F 11/10 (2006.01)  C02F 11/12 (2019.01) C05F 7/00  (2006.01)</p> <p>[25] EN</p>
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<p>[54] METHODS FOR INCREASING  BIOSOLIDS CAKE DRYNESS  THROUGH A FORCED  VENTILATION AERATED STATIC  PILE BIOLOGICAL DRYING  PROCESS</p> <p>[54] METHODES D'ACCROISSEMENT  DE LA SECHERESSE DES PAINS  DE BIOSOLIDES A L'AIDE D'UN  PROCEDE DE SECHAGE  BIOLOGIQUE DE PILE STATIQUE  AEREE A VENTILATION FORCEE</p> <p>[72] WILLIAMS, TODD O., US</p> <p>[71] JACOBS ENGINEERING GROUP,  INC., US</p> <p>[22] 2022-12-29</p> <p>[41] 2023-06-29</p> <p>[30] US (63/294439) 2021-12-29</p> <p>[30] US (18/145759) 2022-12-22</p>
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<p>[21] <b>3,185,835</b>  [13] A1</p> <p>[25] EN</p> <p>[54] VEHICLE AND METHOD FOR  LOCATING A VEHICLE</p> <p>[54] VEHICULE ET METHODE DE  LOCALISATION D'UN VEHICULE</p> <p>[72] KIRCHMAIR, MARTIN, IT</p> <p>[71] PRINOTH S.P.A., IT</p> <p>[22] 2022-12-22</p> <p>[41] 2023-06-30</p> <p>[30] IT (102021000033116) 2021-12-30</p>
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<p>[21] <b>3,185,838</b>  [13] A1</p> <p>[51] Int.Cl. F01D 11/14 (2006.01) F01D  11/08 (2006.01) F01D 25/24 (2006.01)  F02C 3/08 (2006.01)</p> <p>[25] EN</p> <p>[54] IMPELLER SHROUD ASSEMBLY  AND METHOD FOR OPERATING  SAME</p> <p>[54] ASSEMBLAGE DE CARENAGE DE  ROTOR ET METHODE  D'EXPLOITATION</p> <p>[72] MENHEERE, DAVID, CA</p> <p>[72] REDFORD, TIMOTHY, CA</p> <p>[71] PRATT &amp; WHITNEY CANADA  CORP., CA</p> <p>[22] 2022-12-14</p> <p>[41] 2023-06-27</p> <p>[30] US (17/562,306) 2021-12-27</p>
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<p>[21] <b>3,185,840</b>  [13] A1</p> <p>[51] Int.Cl. B65D 85/68 (2006.01) B62D  65/18 (2006.01) B65D 19/00 (2006.01)  B66F 9/06 (2006.01)</p> <p>[25] EN</p> <p>[54] REUSABLE CRADLE SYSTEM  AND METHOD FOR A MATERIAL  HANDLING VEHICLE</p> <p>[54] SYSTEME ET METHODE DE  BERCEAU REUTILISABLE POUR  UN VEHICULE DE  MANUTENTION</p> <p>[72] FLETCHER, ERIC, US</p> <p>[72] VOIGT, LUKE, US</p> <p>[71] THE RAYMOND CORPORATION,  US</p> <p>[22] 2022-12-29</p> <p>[41] 2023-06-29</p> <p>[30] US (63/294469) 2021-12-29</p>
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25 juin 2023 au 1 juillet 2023

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**[21] 3,185,845**  
[13] A1

- [25] EN
  - [54] **UNIFIED TRANSMISSION CONFIGURATION INDICATOR STATE INDICATION**
  - [54] **INDICATION D'ETAT D'UN INDICATEUR DE CONFIGURATION DE TRANSMISSION UNIFIEE**
  - [72] CIRIK, ALI CAGATAY, US
  - [72] ZHOU, HUA, US
  - [72] DINAN, ESMAEL HEJAZI, US
  - [72] XU, KAI, US
  - [71] COMCAST CABLE COMMUNICATIONS, LLC, US
  - [22] 2022-12-29
  - [41] 2023-06-29
  - [30] US (63/294,705) 2021-12-29
  - [30] US (63/294,708) 2021-12-29
  - [30] US (63/294,711) 2021-12-29
  - [30] US (63/294,716) 2021-12-29
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**[21] 3,185,893**  
[13] A1

- [51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/40 (2006.01) B29C 45/64 (2006.01)**
  - [25] EN
  - [54] **MOLDING SYSTEM AND METHOD FOR INSPECTING MOLDED ARTICLES**
  - [54] **SYSTEME DE MOULAGE ET METHODE D'INSPECTION D'ARTICLES MOULES**
  - [72] HYVARINEN, HEIKKI, CA
  - [71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
  - [22] 2023-01-05
  - [41] 2023-06-28
  - [30] US (63/267439) 2022-02-02
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**[21] 3,186,275**  
[13] A1

- [51] **Int.Cl. A47K 3/40 (2006.01) E03C 1/22 (2006.01) E03F 5/04 (2006.01)**
  - [25] EN
  - [54] **TILEABLE MODULAR FLOOR SYSTEM AND DRAIN**
  - [54] **SYSTEME DE PLANCHER MODULAIRE A CARREAUX ET DRAIN**
  - [72] MAHEU, SPENCER P., US
  - [72] PREVETE, DUSTIN, US
  - [71] LATICRETE INTERNATIONAL, INC., US
  - [22] 2023-01-03
  - [41] 2023-06-30
  - [30] US (63/295,801) 2021-12-31
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**[21] 3,186,388**  
[13] A1

- [25] EN
  - [54] **METHOD FOR DETECTING ANOMALIES IN COMMUNICATIONS, AND CORRESPONDING DEVICE AND COMPUTER PROGRAM PRODUCT**
  - [54] **METHODE POUR DETECTER D'ANOMALIES DANS LES COMMUNICATIONS ET DISPOSITIF ET PROGRAMME INFORMATIQUE CORRESPONDANTS**
  - [72] UCCI, DANIELE, IT
  - [72] SOBRERO, FILIPPO, IT
  - [72] BISIO, FREDERICA, IT
  - [71] AIZOON S.R.L., IT
  - [22] 2022-12-22
  - [41] 2023-06-30
  - [30] IT (102021000033203) 2021-12-31
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**[21] 3,186,922**  
[13] A1

- [25] EN
- [54] **NOISE AND IMPAIRMENT LOCALIZATION**
- [54] **LOCALISATIONS DU BRUIT ET DES DEFAILLANCES**
- [72] TOWFIQ, FOAD, US
- [72] PODAREVSKY, ALEXANDER, US
- [72] POTAICHUK, VOLODYMYR, US
- [72] SHTIKHLAYTNER, ANTONIN, US
- [72] ZHURAVLOV, ANDRIY, US
- [72] VASYLKOVSKYI, DMYTRO, US
- [72] KISILCHUK, BOHDAN, US
- [72] ANTIUFIEIEV, VOLODYMYR, US
- [71] PROMPTLINK COMMUNICATIONS, INC., US
- [22] 2022-12-28
- [41] 2023-06-30
- [30] US (63/295,696) 2021-12-31

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**[21] 3,194,842**  
[13] A1

- [51] **Int.Cl. F01N 3/02 (2006.01) F01N 13/08 (2010.01) B01D 53/92 (2006.01) B60K 13/04 (2006.01) F01N 3/05 (2006.01)**
  - [25] EN
  - [54] **EXHAUST GAS LIQUEFYING DEVICE**
  - [54] **DISPOSITIF DE LIQUEFACTION DE GAZ D'ECHAPPEMENT**
  - [72] DUFORT, DENIS, CA
  - [71] DUFORT, DENIS, CA
  - [22] 2022-12-20
  - [41] 2023-06-30
  - [30] GB (2119131.7) 2021-12-30
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**[21] 3,197,507**  
[13] A1

- [51] **Int.Cl. G05F 5/00 (2006.01) H02J 3/00 (2006.01)**
- [25] EN
- [54] **PORTABLE ELECTRIC ENERGY STORAGE SYSTEM AND POWER REGULATION METHOD THEREOF**
- [54] **SYSTEME DE STOCKAGE D'ENERGIE ELECTRIQUE PORTATIF ET METHODE DE REGULATION DE PUISSEANCE CONNEXE**
- [72] YIN, RONGJIANG, CN
- [72] HU, HUABIN, CN
- [72] GUO, XIJUN, CN
- [72] DENG, QIANG, CN
- [71] ZHEJIANG LERA NEW ENERGY POWER TECHNOLOGY CO., LTD, CN
- [22] 2023-04-19
- [41] 2023-06-30
- [30] CN (202211429919.3) 2022-11-16

# PCT Applications Entering the National Phase

## Demandes PCT entrant en phase nationale

<p>[21] 3,185,202 [13] A1</p> <p>[51] Int.Cl. G06N 3/0464 (2023.01) G06F 18/24 (2023.01) [25] EN [54] HYBRID MESSAGE PASSING NEURAL NETWORK AND PERSONALIZED PAGE RANKING GRAPH CONVOLUTION NETWORK MODEL [54] RESEAU NEURONAL DE PASSAGE DE MESSAGE HYBRIDE ET MODELE DE RESEAU A CONVOLUTION AVEC GRAPHIQUE DE CLASSEMENT DE PAGE PERSONNALISE [72] ROY, AMITABHA, US [72] BARATALIPOUR, NASRIN, US [72] JOGANI, VINIT, US [72] AGHARKAR, PUSHKARINI, US [71] GOOGLE LLC, US [85] 2023-01-06 [86] 2021-12-27 (PCT/US2021/065211) [87] (3185202)</p>	<p>[21] 3,194,092 [13] A1</p> <p>[51] Int.Cl. G06V 10/70 (2022.01) G06V 10/40 (2022.01) G06V 10/74 (2022.01) G06V 10/82 (2022.01) G06N 3/02 (2006.01) [25] EN [54] INFERENCE DEVICE, INFERENCE METHOD, AND NON-TRANSITORY COMPUTER-READABLE MEDIUM [54] DISPOSITIF D'INFERENCE, METHODE D'INFERENCE ET SUPPORT LISBLE PAR ORDINATEUR NON TRANSITOIRE [72] SAWADA, TOMOYA, JP [71] MITSUBISHI ELECTRIC CORPORATION, JP [85] 2023-03-28 [86] 2022-08-02 (PCT/JP2022/029597) [87] (WO2023/074075)</p>	<p>[21] 3,197,861 [13] A1</p> <p>[51] Int.Cl. G05D 1/02 (2020.01) [25] EN [54] METHOD FOR POSITIONING AUXILIARY TRANSPORTATION VEHICLE IN COAL MINE AND POSITIONING SYSTEM THEREOF [54] METHODE POUR POSITIONNER UN VEHICULE DE TRANSPORT AUXILIAIRE DANS UNE MINE DE CHARBON ET SYSTEME DE POSITIONNEMENT CONNEXE [72] JIANG, FAN, CN [72] ZHU, ZHENCAI, CN [72] HUANG, XINGTAO, CN [72] ZHOU, GONGBO, CN [72] LIU, NIANSHENG, CN [72] WANG, LIBING, CN [72] ZHANG CHUANSHENG, CN [72] PENG, YUXING, CN [72] SHEN, GANG, CN [72] ZHANG, CHAOFAN, CN [72] YI, WENWEN, CN [72] CHENG, SHUMAN, CN [72] WANG, ZHENGXU, CN [71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN [71] XUZHOU KERUI MINING TECHNOLOGY CO., LTD., CN [85] 2023-04-25 [86] 2022-09-30 (PCT/CN2022/123140) [87] (3197861) [30] CN (202111616413.9) 2021-12-27</p>
<p>[21] 3,185,572 [13] A1</p> <p>[51] Int.Cl. C22B 3/08 (2006.01) C22B 1/00 (2006.01) C22B 3/22 (2006.01) C22B 3/26 (2006.01) C22B 3/44 (2006.01) C22B 47/00 (2006.01) C22B 23/00 (2006.01) [25] EN [54] HYDROMETALLURGICAL RECOVERY METHOD FOR NICKEL SULFATE [54] METHODE DE RECUPERATION HYDROMETALLURGIQUE DE SULFATE DE NICKEL [72] KIM, DONG HEE, KR [72] KIM, WOO JIN, KR [72] KIM, YONG HUN, KR [71] ECOPRO MATERIALS, CO., LTD., KR [85] 2022-12-12 [86] 2022-01-07 (PCT/KR2022/000310) [87] (3185572) [30] KR (10-2021-0189827) 2021-12-28</p>		

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  - [25] EN
  - [54] AZAQUINAZOLINE PAN-KRAS INHIBITORS
  - [54] INHIBITEURS PAN-KRAS D'AZAQUINAZOLINE
  - [72] WANG, XIAOLUN, US
  - [72] LAWSON, JOHN DAVID, US
  - [72] MARX, MATTHEW ARNOLD, US
  - [72] SMITH, CHRISTOPHER RONALD, US
  - [72] KULYK, SVITLANA, US
  - [71] MIRATI THERAPEUTICS, INC., US
  - [85] 2023-05-15
  - [86] 2021-12-15 (PCT/US2021/010065)
  - [87] (WO2022/132200)
  - [30] US (63/125,776) 2020-12-15
  - [30] US (63/159,868) 2021-03-11
  - [30] US (63/164,338) 2021-03-22
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- [51] Int.Cl. G16H 40/63 (2018.01) G16H 40/67 (2018.01)
- [25] EN
- [54] GLOBAL CONFIGURATION SERVICE
- [54] SERVICE DE CONFIGURATION GLOBAL
- [72] SANIGEPALLI, PRAVEEN KUMAR, US
- [72] ALVES, RICARDO, US
- [72] RHOUDA, EL MOSTAFA, US
- [72] SMITH, BRIAN, US
- [72] SMITH, DANIEL, US
- [71] DEXCOM, INC., US
- [85] 2023-04-21
- [86] 2022-04-15 (PCT/US2022/071756)
- [87] (WO2022/221880)
- [30] US (63/175,199) 2021-04-15

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[13] A1

- [51] Int.Cl. C07K 14/47 (2006.01)
  - [25] EN
  - [54] COMPOSITIONS AND METHODS FOR THE TREATMENT OF ALZHEIMER'S DISEASE
  - [54] COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE LA MALADIE D'ALZHEIMER
  - [72] HISHIYA, AKINORI, US
  - [72] KOYA, KEIZO, US
  - [71] SOLA BIOSCIENCES LLC, US
  - [85] 2023-04-24
  - [86] 2021-10-26 (PCT/US2021/056539)
  - [87] (WO2022/093736)
  - [30] US (63/105,472) 2020-10-26
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[13] A1

- [51] Int.Cl. G06T 7/00 (2017.01) G06T 7/62 (2017.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR ESTIMATING OUTER DIAMETERS OF PROSTHETIC VALVES
- [54] SYSTEMES ET PROCEDES D'ESTIMATION DE DIAMETRES EXTERNES DE PROTHESES VALVULAIRES
- [72] DVORSKY, ANATOLY, IL
- [72] KHADER, YARA, IL
- [72] YAAKOBOVICH, HALIT, IL
- [72] KRAMINSKY, SONYA, IL
- [71] EDWARDS LIFESCIENCES CORPORATION, US
- [85] 2023-04-24
- [86] 2021-10-27 (PCT/US2021/056756)
- [87] (WO2022/093896)
- [30] US (63/106,817) 2020-10-28

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[13] A1

- [51] Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01)
  - [25] EN
  - [54] METHODS OF INDUCING ANTIBODY-DEPENDENT CELLULAR CYTOTOXICITY (ADCC) USING MODIFIED NATURAL KILLER (NK) CELLS
  - [54] METHODES D'INDUCTION DE LA CYTOTOXICITE CELLULAIRE DEPENDANT DES ANTICORPS (ADCC) A L'AIDE DE CELLULES TUEUSES NATURELLES (NK) MODIFIEES
  - [72] BORGES, CHRISTOPHER, US
  - [72] WONG, KARRIE KA WAI, US
  - [71] SHORELINE BIOSCIENCES, INC., US
  - [85] 2023-04-24
  - [86] 2021-10-26 (PCT/US2021/056554)
  - [87] (WO2022/093749)
  - [30] US (63/105,464) 2020-10-26
  - [30] US (63/115,112) 2020-11-18
  - [30] US (63/165,786) 2021-03-25
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- [51] Int.Cl. A61K 35/17 (2015.01) A61K 35/768 (2015.01) A61K 35/76 (2015.01)
- [25] EN
- [54] CAR T-CELL ADJUVANT THERAPIES
- [54] THERAPIES ADJUVANTES PAR CELLULES CAR-T
- [72] CRAIGO, JODI, US
- [71] CYTOAGENTS, INC., US
- [85] 2023-05-23
- [86] 2021-11-30 (PCT/US2021/061066)
- [87] (WO2022/115730)
- [30] US (63/119,085) 2020-11-30

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- [51] Int.Cl. A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 9/50 (2006.01)
- [25] EN
- [54] EXTENDED RELEASE COMPOSITIONS COMPRISING PYRIDOSTIGMINE
- [54] COMPOSITIONS A LIBERATION PROLONGEE COMPRENANT DE LA PYRIDOSTIGMINE
- [72] VAKA, SIVA RAM KIRAN, US
- [72] DESAL, DIPEN, US
- [72] SHAH, NAVNIT H., US
- [72] PHUAPRADIT, WANTANEE, US
- [72] SHELKE, NAMDEV B., US
- [71] AMNEAL COMPLEX PRODUCTS RESEARCH LLC, US
- [85] 2023-05-23
- [86] 2021-12-10 (PCT/US2021/062845)
- [87] (WO2022/159205)
- [30] US (63/123,529) 2020-12-10

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[13] A1

- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 31/167 (2006.01) A61K 31/27 (2006.01) A61K 47/06 (2006.01) A61P 25/28 (2006.01)
- [25] EN
- [54] PHARMACEUTICAL COMPOSITION OF NAPHTHALENE DERIVATIVES AS MULTI-TARGET THERAPEUTIC AGENTS FOR THE TREATMENT OF ALZHEIMER'S DISEASE
- [54] COMPOSITION PHARMACEUTIQUE DE DERIVES DE NAPHTALENE EN TANT QU'AGENTS THERAPEUTIQUES A CIBLES MULTIPLES POUR LE TRAITEMENT DE LA MALADIE D'ALZHEIMER
- [72] RODRIGUEZ-TANTY, CHRYSLAINE, CU
- [72] SABLON CARRAZANA, MARQUIZA, CU
- [72] MENENDEZ SOTO DEL VALLE, ROBERTO, CU
- [72] BENCOMO MARTINEZ, ALBERTO, CU
- [72] RIVERA MARRERO, SUCHITIL, CU
- [72] GARCIA PUPO, LAURA, CU
- [72] GONZALEZ MESA, LEONORA, CU
- [72] LEON CHAVIANO, SAMILA, CU
- [72] AGUILA CORDOVA, ADRIANA, CU
- [72] CASTRO-PALOMINO ANTELA, KATHLEEN, CU
- [72] PENTON ROL, GISELLE, CO
- [72] OTANO TAMAYO, LAURA, CU
- [72] PEREZ PERERA, RAFAELA, CU
- [72] CERVANTES LLANOS, MAJEL, CU
- [72] DIAZ GARCIA, ORESTES DE JESUS, CU
- [72] DORESTE BROWN, MIRIAM, CU
- [71] CENTRO DE NEUROSCIENCIAS DE CUBA, CU
- [85] 2023-05-24
- [86] 2021-11-18 (PCT/CU2021/050012)
- [87] (WO2022/111742)
- [30] CU (2020-0087) 2020-11-24

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- [51] Int.Cl. A61K 8/44 (2006.01)
- [25] EN
- [54] PRO-BENEFIT AGENT COMPOUNDS WITH CARBON/NITROGEN BONDS
- [54] COMPOSES D'AGENTS BENEFIQUES AVEC DES LIAISONS CARBONE/AZOTE
- [72] NATOLI, SEAN N., US
- [72] PANANDIKER, RAJAN KESHAV, US
- [72] MIRACLE, GREGORY SCOT, US
- [72] HOOVER, JENNA MARIE, US
- [71] THE PROCTER & GAMBLE COMPANY, US
- [85] 2023-05-29
- [86] 2022-05-24 (PCT/US2022/072516)
- [87] (WO2022/251817)
- [30] EP (21175862.8) 2021-05-26
- [30] US (63/255,969) 2021-10-15

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[13] A1

- [51] Int.Cl. C07D 263/04 (2006.01) C11D 1/32 (2006.01) C11D 3/28 (2006.01)
- [25] EN
- [54] PRO-BENEFIT-AGENT COMPOUNDS WITH HETEROCYCLIC MOIETIES
- [54] COMPOSES D'AGENT PRO-BENEFICE AVEC DES FRACTIONS HETEROCYCLIQUES
- [72] NATOLI, SEAN N., US
- [72] PANANDIKER, RAJAN KESHAV, US
- [72] MIRACLE, GREGORY SCOT, US
- [72] HOOVER, JENNA MARIE, US
- [71] THE PROCTER & GAMBLE COMPANY, US
- [85] 2023-05-29
- [86] 2022-05-24 (PCT/US2022/072517)
- [87] (WO2022/251818)
- [30] EP (21175874.3) 2021-05-26

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[13] A1

- [51] Int.Cl. C12Q 1/6886 (2018.01)
  - [25] EN
  - [54] METHODS, KITS, AND SYSTEMS FOR PREDICTING PATIENT OUTCOMES
  - [54] PROCEDES, KITS ET SYSTEMES POUR PREDIRE L'EVOLUTION DES PATIENTS
  - [72] MITIN, NATALIA, US
  - [71] SAPERE BIO, INC., US
  - [85] 2023-05-31
  - [86] 2021-12-10 (PCT/US2021/062747)
  - [87] (WO2022/125857)
  - [30] US (63/123,592) 2020-12-10
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[13] A1

- [51] Int.Cl. A23L 33/00 (2016.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)
  - [25] EN
  - [54] FASTING-MIMICKING DIET PROMOTES CANCER-FREE SURVIVAL IN ACUTE LYMPHOBLASTIC LEUKEMIA MODELS
  - [54] REGIME IMITANT LE JEUNE (FMD) FAVORISANT LA SURVIE SANS CANCER DANS DES MODELES DE LEUCEMIE LYMPHOBLASTIQUE AIGUE
  - [72] LONGO, VALTER D., US
  - [72] BUONO, ROBERTA, US
  - [71] UNIVERSITY OF SOUTHERN CALIFORNIA, US
  - [85] 2023-05-31
  - [86] 2021-12-01 (PCT/US2021/061359)
  - [87] (WO2022/119897)
  - [30] US (63/119,922) 2020-12-01
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[13] A1

- [51] Int.Cl. B01D 53/18 (2006.01)
  - [25] EN
  - [54] CAPTURING CARBON DIOXIDE
  - [54] CAPTURE DE DIOXYDE DE CARBONE
  - [72] OLMSTEAD, DOUGLAS EDWARD, CA
  - [72] O'BRIEN, MEGAN LYNN, CA
  - [72] BASTIDAS, TERESA JULIET PENA, CA
  - [72] WILKE, TODD ERNEST, CA
  - [71] CARBON ENGINEERING LTD., CA
  - [85] 2023-05-31
  - [86] 2021-12-07 (PCT/US2021/062247)
  - [87] (WO2022/125574)
  - [30] US (63/122,398) 2020-12-07
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- [51] Int.Cl. A63B 31/10 (2006.01)
  - [25] EN
  - [54] BILATERAL KICKING BOARDS FOR NON-SWIMMERS TO THE ELITE LEVEL SWIMMER
  - [54] PLANCHES DE NATATION BILATERALE POUR NON-NAGEURS ET NAGEUR DE NIVEAU D'ELITE
  - [72] GALLAGHER, JOSE-LUIS, US
  - [71] RIP CURRENT SPORTS, LLC, US
  - [85] 2023-05-31
  - [86] 2022-02-07 (PCT/US2022/015485)
  - [87] (WO2022/126147)
  - [30] US (63/122,668) 2020-12-08
  - [30] US (17/545,454) 2021-12-08
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[13] A1

- [51] Int.Cl. G16H 50/80 (2018.01)
  - [25] EN
  - [54] SYSTEM AND METHOD FOR VIDEO ANALYTICS FOR THERMOGRAPHY PROCEDURE COMPLIANCE
  - [54] SYSTEME ET PROCEDE POUR UNE ANALYTIQUE VIDEO POUR CONFORMITE DE PROCEDURE DE THERMOGRAPHIE
  - [72] RUSSO, PIETRO, US
  - [72] VENETIANER, PETER L., US
  - [72] REBIEN, SVEN, CA
  - [71] MOTOROLA SOLUTIONS, INC., US
  - [85] 2023-05-31
  - [86] 2021-12-01 (PCT/US2021/061397)
  - [87] (WO2022/132436)
  - [30] US (17/125,198) 2020-12-17
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[13] A1

- [51] Int.Cl. C25F 3/16 (2006.01)
  - [25] EN
  - [54] ELECTROLYtic MEDIUM, ELECTROPOLISHING PROCESS USING SUCH ELECTROLYtic MEDIUM AND DEVICE TO CARRY IT OUT
  - [54] MILIEU ELECTROLYTIQUE, PROCEDE D'ELECTROPOLISSAGE FAISANT APPEL A CET MILIEU ELECTROLYTIQUE ET DISPOSITIF POUR SA MISE EN OEUVRE
  - [72] SARSAÑEDAS GIMPERA, MARC, ES
  - [72] ROMAGOSA CALATAYUD, PAU, ES
  - [72] PEREZ PLANAS, MIGUEL FRANCISCO, ES
  - [72] GUTIERREZ CASTILLO, JOAN DAVID, ES
  - [72] SOTO HERNANDEZ, MARC, ES
  - [71] DRYLYTE, S.L., ES
  - [85] 2023-06-02
  - [86] 2021-11-30 (PCT/ES2021/070864)
  - [87] (WO2022/123096)
  - [30] EP (20383069.0) 2020-12-09
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[13] A1

- [51] Int.Cl. B66B 23/24 (2006.01)
- [25] EN
- [54] HANDRAIL FOR A PASSENGER TRANSPORT SYSTEM
- [54] MAIN COURANTE POUR SYSTEME DE TRANSPORT DE PERSONNES
- [72] DUERRER, ALBRECHT, AT
- [72] WUNSCH, BERNHARD, AT
- [72] BEGLARI, REZA, AT
- [71] SEMPERIT AG HOLDING, AT
- [85] 2023-06-02
- [86] 2021-12-07 (PCT/EP2021/084594)
- [87] (WO2022/122731)
- [30] DE (10 2020 132 647.5) 2020-12-08

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  - [25] EN
  - [54] UREA BASED DIESEL EXHAUST FLUID WITH ADDITIVE
  - [54] FLUIDE D'ECHAPPEMENT DIESEL A BASE D'UREE AVEC ADDITIF
  - [72] KURP, RONALD D., US
  - [71] JSIP, LLC, US
  - [85] 2023-06-02
  - [86] 2021-12-06 (PCT/US2021/062028)
  - [87] (WO2022/125449)
  - [30] US (63/123,098) 2020-12-09
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[13] A1

- [51] Int.Cl. E04B 5/02 (2006.01) E04F 15/00 (2006.01) E04F 15/02 (2006.01) E04F 15/14 (2006.01)
  - [25] EN
  - [54] SYNTHETIC TURF SYSTEM
  - [54] SYSTEME DE GAZON ARTIFICIEL
  - [72] TABIBNIA, RAMIN, US
  - [71] TABIBNIA, RAMIN, US
  - [85] 2023-06-02
  - [86] 2021-12-06 (PCT/US2021/062057)
  - [87] (WO2022/120283)
  - [30] US (63/121,818) 2020-12-04
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- [51] Int.Cl. H01M 4/134 (2010.01) H01M 10/0525 (2010.01) H01M 10/0585 (2010.01) H01M 4/38 (2006.01) H01M 4/40 (2006.01) H01M 10/42 (2006.01)
  - [25] EN
  - [54] LITHIUM-ION BATTERY AND ELECTRIC VEHICLE
  - [54] BATTERIE LITHIUM-ION ET VEHICULE ELECTRIQUE
  - [72] MEI, RIGUO, CN
  - [72] LIU, ZHENGJIAO, CN
  - [72] CHANG, XIAOYA, CN
  - [72] WU, ZIWEN, CN
  - [72] PAN, YI, CN
  - [71] BYD COMPANY LIMITED, CN
  - [85] 2023-06-02
  - [86] 2021-12-03 (PCT/CN2021/135420)
  - [87] (WO2022/117080)
  - [30] CN (202011401161.3) 2020-12-04
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- [51] Int.Cl. C07K 14/705 (2006.01) A61K 35/17 (2015.01) C07K 14/715 (2006.01) C07K 14/725 (2006.01)
  - [25] EN
  - [54] PROTEASE-ACTIVATING CD45-GATE CAR
  - [54] CAR DEPENDANT DE CD45 A ACTIVATION PAR PROTEASE
  - [72] LANG, SHANSHAN, US
  - [72] VAN BLARCOM, THOMAS JOHN, US
  - [72] BETHUNE, MICHAEL THOMAS, US
  - [72] PANOWSKI, SILER, US
  - [72] TAN, NGUYEN, US
  - [72] ZHANG, YI, US
  - [72] SASU, BARBRA JOHNSON, US
  - [72] LI, ZHE, US
  - [71] ALLOGENE THERAPEUTICS, INC., US
  - [71] PFIZER INC., US
  - [85] 2023-06-02
  - [86] 2021-12-21 (PCT/US2021/064615)
  - [87] (WO2022/140388)
  - [30] US (63/128,667) 2020-12-21
  - [30] US (63/289,984) 2021-12-15
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[13] A1

- [51] Int.Cl. B65D 3/04 (2006.01) B65D 3/22 (2006.01) B65D 3/26 (2006.01) B65D 5/32 (2006.01)
  - [25] EN
  - [54] PAPER BASED CONTAINER FOR HOUSEHOLD PRODUCTS
  - [54] RECIPIENT A BASE DE PAPIER POUR PRODUITS MENAGERS
  - [72] HOEFTE, PAULUS ANTONIUS AUGUSTINUS, BE
  - [72] BROOKS, LOGAN TAYLOR, US
  - [72] WALBURGER, KASSANDRA, US
  - [71] THE PROCTER & GAMBLE COMPANY, US
  - [85] 2023-06-02
  - [86] 2022-02-22 (PCT/US2022/070754)
  - [87] (WO2022/178550)
  - [30] EP (21158325.7) 2021-02-22
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- [51] Int.Cl. B65D 3/04 (2006.01) B65D 3/22 (2006.01) B65D 3/26 (2006.01) B65D 5/32 (2006.01)
  - [25] EN
  - [54] PAPER BASED CONTAINER FOR HOUSEHOLD PRODUCTS
  - [54] RECIPIENT A BASE DE PAPIER POUR PRODUITS MENAGERS
  - [72] WALBURGER, KASSANDRA, US
  - [72] HOEFTE, PAULUS ANTONIUS AUGUSTINUS, BE
  - [72] BROOKS, LOGAN TAYLOR, US
  - [71] THE PROCTER & GAMBLE COMPANY, US
  - [85] 2023-06-02
  - [86] 2022-02-22 (PCT/US2022/070755)
  - [87] (WO2022/178551)
  - [30] EP (21158327.3) 2021-02-22
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[13] A1

- [51] Int.Cl. A23J 3/22 (2006.01) A23J 3/14 (2006.01) A23J 3/16 (2006.01)
- [25] EN
- [54] MEAT ANALOGUE AND PROCESS FOR PRODUCING THE SAME
- [54] ANALOGUE DE VIANDE ET SON PROCEDE DE PRODUCTION
- [72] DRIESSE, MARIANNE, NL
- [72] PIJPERS, SHAR MARGRIET, NL
- [71] UNILEVER IP HOLDINGS B.V., NL
- [85] 2023-06-02
- [86] 2021-12-29 (PCT/EP2021/087766)
- [87] (WO2022/144376)
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- [51] Int.Cl. B29C 33/12 (2006.01) C09D 7/61 (2018.01) B32B 7/027 (2019.01)  
B29C 45/14 (2006.01) B29C 70/00 (2006.01) B32B 27/18 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01)  
C08J 7/04 (2020.01) C09D 4/02 (2006.01) C09D 125/02 (2006.01)  
C09D 201/00 (2006.01)
- [25] EN  
[54] COATING COMPOSITION  
[54]  
[72] KOMURA, KATSUTO, JP  
[72] FUJIWARA, MIZUKI, JP  
[71] KANSAI PAINT CO., LTD., JP  
[85] 2023-06-02  
[86] 2021-12-16 (PCT/JP2021/046525)  
[87] (WO2022/138446)  
[30] JP (2020-213791) 2020-12-23  
[30] JP (2020-213792) 2020-12-23  
[30] JP (2021-183771) 2021-11-11

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- [51] Int.Cl. C07K 16/28 (2006.01) C07K 14/705 (2006.01)
- [25] EN  
[54] COMPOSITIONS FOR INCREASING HALF-LIFE OF A THERAPEUTIC AGENT IN LIVESTOCK ANIMALS AND METHODS OF USE
- [54] COMPOSITIONS PERMETTANT D'AUGMENTER LA DEMI-VIE D'UN AGENT THERAPEUTIQUE CHEZ DES ANIMAUX D'ELEVAGE ET PROCEDES D'UTILISATION
- [72] BRONDYK, WILLIAM, US  
[72] HORN, JUERGEN, US  
[71] INVETX, INC., US  
[85] 2023-06-02  
[86] 2021-12-01 (PCT/US2021/061409)  
[87] (WO2022/125355)  
[30] US (63/122,365) 2020-12-07

**[21] 3,201,121**  
[13] A1

- [51] Int.Cl. F16T 1/48 (2006.01)  
[25] EN  
[54] DEVICE, SYSTEM AND METHOD OF MONITORING A STEAM TRAP AND DETECTING A STEAM TRAP FAILURE
- [54] DISPOSITIF, SYSTEME ET PROCEDE DE SURVEILLANCE D'UN PURGEUR DE VAPEUR ET DE DETECTION D'UNE DEFAILLANCE DE PURGEUR DE VAPEUR
- [72] UHLENBRUCK, THOMAS FARNHAM, CA  
[72] NAIK, VIVEK EKNATH, CA  
[72] FEDORAK, BRYAN NEIL STEPHEN, CA  
[72] DAYMAN, JEFFREY GEORGE, CA  
[72] VAN VLIET, TYKO EVEREST, CA  
[72] CHAN, BRANDON CAMERON, CA  
[72] LI, KECHENG, CA  
[72] ZHANG, KEVIN, CA  
[71] 10855561 CANADA INC., CA  
[85] 2023-06-02  
[86] 2020-12-04 (PCT/IB2020/061535)  
[87] (WO2022/118060)

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[13] A1

- [51] Int.Cl. A61K 31/496 (2006.01)  
[25] EN  
[54] METHODS OF TREATING PSYCHIATRIC DISORDERS IN OBESE PATIENTS WITH BREXIPRAZOLE
- [54] METHODES DE TRAITEMENT DE TROUBLES PSYCHIATRIQUES PAR BREXIPRAZOLE CHEZ DES PATIENTS OBESES
- [72] SRINIVASAN, SUNDAR, US  
[72] CHOW, CHRISTINA, US  
[71] LAKE O'HARA LLC, US  
[85] 2023-06-02  
[86] 2021-02-03 (PCT/US2021/016329)  
[87] (WO2022/146462)  
[30] US (17/139,627) 2020-12-31  
[30] US (17/139,690) 2020-12-31

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[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01)  
[25] EN  
[54] PREPARATION AND USE OF ANTI-FSHR ANTIBODY AND ANTIBODY-DRUG CONJUGATE THEREOF
- [54] PREPARATION ET UTILISATION D'UN ANTICORPS ANTI-FSHR ET D'UN CONJUGUE ANTICORPS-MEDICAMENT DE CELUI-CI
- [72] YU, NINGHUI, CN  
[72] JIANG, XULIANG, CN  
[71] CANWELL (GZ) BIOTECH LIMITED, CN  
[85] 2023-06-02  
[86] 2021-11-18 (PCT/CN2021/131515)  
[87] (WO2022/116853)  
[30] CN (202011417088.9) 2020-12-04

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[13] A1

- [51] Int.Cl. C25B 1/01 (2021.01) C25B 15/023 (2021.01) C25B 11/02 (2021.01) C25B 15/08 (2006.01)
- [25] EN  
[54] APPARATUSES, SYSTEMS, AND METHODS FOR GENERATING NITRIC OXIDE
- [54] APPAREILS, SYSTEMES ET PROCEDES DE PRODUCTION D'OXYDE NITRIQUE
- [72] FENG, ZHICHUN, CN  
[72] MAO, WEN, CN  
[72] ZHANG, YUYAN, CN  
[72] GENG, XIANG, CN  
[72] CHEN, TAO, CN  
[72] ZHAO, YANGBO, CN  
[72] WU, QING, CN  
[71] NANJING NOVLEAD BIOTECHNOLOGY CO., LTD., CN  
[85] 2023-06-02  
[86] 2021-12-17 (PCT/CN2021/139117)  
[87] (WO2022/127902)  
[30] CN (202011502839.7) 2020-12-18  
[30] CN (202011502846.7) 2020-12-18  
[30] CN (202011502862.6) 2020-12-18  
[30] CN (202011508948.X) 2020-12-18  
[30] CN (202023064800.X) 2020-12-18  
[30] CN (202023064847.6) 2020-12-18  
[30] CN (202023064866.9) 2020-12-18  
[30] CN (202023072485.5) 2020-12-18  
[30] CN (202023072503.X) 2020-12-18  
[30] CN (202110183873.0) 2021-02-08  
[30] CN (202120353644.4) 2021-02-08  
[30] CN (202120353650.X) 2021-02-08

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- [51] Int.Cl. B60H 1/00 (2006.01) B60H 3/06 (2006.01)
  - [25] EN
  - [54] **METHOD AND SYSTEM FOR MONITORING THE ENVIRONMENT OF A CABIN AND REGULATING THE PRESSURISATION OF SAME**
  - [54] **PROCEDE ET SYSTEME DE SURVEILLANCE DE L'ENVIRONNEMENT D'UNE CABINE ET DE REGULATION DE LA PRESSURISATION DE CETTE DERNIERE**
  - [72] KNOWLES, GREGORY BRIAN, AU
  - [71] WORK AIR TECHNOLOGIES PTY LTD, AU
  - [85] 2023-06-02
  - [86] 2021-12-03 (PCT/AU2021/051450)
  - [87] (WO2022/115920)
  - [30] AU (2020904509) 2020-12-04
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- [51] Int.Cl. G06T 7/246 (2017.01)
- [25] EN
- [54] **SYSTEM AND METHOD FOR REMOTE DAM MONITORING**
- [54] **SYSTEME ET PROCEDE DE SURVEILLANCE DE BARRAGE A DISTANCE**
- [72] SAJWAJ, TODD, GB
- [72] BROWN, HENRY, GB
- [71] REZATEC LIMITED, GB
- [85] 2023-06-02
- [86] 2021-10-06 (PCT/IB2021/059145)
- [87] (WO2022/118101)
- [30] US (17/112,558) 2020-12-04

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[13] A1

- [51] Int.Cl. G01N 33/543 (2006.01) G16H 50/20 (2018.01) G01N 33/58 (2006.01) G01N 33/68 (2006.01)
  - [25] EN
  - [54] **SYSTEMS AND METHODS FOR DYNAMIC IMMUNOHISTOCHEMISTRY PROFILING OF BIOLOGICAL DISORDERS**
  - [54] **SYSTEMES ET PROCEDES DE PROFILAGE DYNAMIQUE D'IMMUNO-HISTOCHIMIE DE TROUBLES BIOLOGIQUES**
  - [72] ARORA, MANISH, US
  - [72] CURTIN, PAUL, US
  - [72] AUSTIN, CHRISTINE, US
  - [71] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
  - [85] 2023-06-02
  - [86] 2021-12-03 (PCT/US2021/061803)
  - [87] (WO2022/120164)
  - [30] US (63/121,792) 2020-12-04
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- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 9/19 (2006.01) A61K 31/00 (2006.01)
- [25] EN
- [54] **MATERIAL AND METHOD FOR TREATING CANCER**
- [54] **MATERIAU ET METHODE DE TRAITEMENT DU CANCER**
- [72] HIONIDI, YULIA, IL
- [72] TSIPORI, OMER, IL
- [72] KONORTY, MARINA, IL
- [71] UROGEN PHARMA LTD., IL
- [85] 2023-06-02
- [86] 2021-12-09 (PCT/IB2021/061499)
- [87] (WO2022/123480)
- [30] US (63/124,111) 2020-12-11

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[13] A1

- [51] Int.Cl. G01N 21/65 (2006.01)
  - [25] EN
  - [54] **SYSTEMS AND METHODS FOR DYNAMIC RAMAN PROFILING OF BIOLOGICAL DISEASES AND DISORDERS**
  - [54] **SYSTEMES ET PROCEDES POUR PROFILAGE RAMAN DYNAMIQUE DE MALADIES ET DE TROUBLES BIOLOGIQUES**
  - [72] ARORA, MANISH, US
  - [72] CURTIN, PAUL, US
  - [72] AUSTIN, CHRISTINE, US
  - [71] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
  - [85] 2023-06-02
  - [86] 2021-12-03 (PCT/US2021/061885)
  - [87] (WO2022/120225)
  - [30] US (63/121,800) 2020-12-04
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[13] A1

- [51] Int.Cl. C22B 1/00 (2006.01) B01D 21/28 (2006.01) B01D 21/32 (2006.01) B03B 5/62 (2006.01)
- [25] EN
- [54] **DETECTION AND RECOVERY OF METALS FROM ORE**
- [54] **DETECTION ET RECUPERATION DE METAUX A PARTIR DE MINERAIS**
- [72] ACKERMAN, DEAN JOHN, ZA
- [72] GOODWIN, SEAN, CA
- [71] ECO METALS RECOVERY (HOLDING) LIMITED, BB
- [85] 2023-06-02
- [86] 2021-12-21 (PCT/CA2021/051864)
- [87] (WO2022/133599)
- [30] US (63/128,569) 2020-12-21

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- [51] Int.Cl. C25B 15/08 (2006.01) C01B 32/50 (2017.01) C25B 9/19 (2021.01) C25B 15/023 (2021.01) C25B 15/031 (2021.01) C25B 1/04 (2021.01)
- [25] EN
- [54] ELECTROCHEMICAL METHOD, APPARATUS AND SYSTEM WITH IMPROVED PRODUCTION EFFICIENCY AND CO<sub>2</sub> SEQUESTRATION
- [54] PROCEDE, APPAREIL ET SYSTEME ELECTROCHIMIQUES A RENDEMENT DE PRODUCTION ET DE SEQUESTRATION DE CO<sub>2</sub> AMELIORES
- [72] TAHMASEBI, SADAF, CA
- [72] RAU, GREGORY HUDSON, US
- [71] PLANETARY TECHNOLOGIES INC., CA
- [85] 2023-06-02
- [86] 2021-12-02 (PCT/CA2021/051724)
- [87] (WO2022/115955)
- [30] US (63/120,368) 2020-12-02

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[13] A1

- [51] Int.Cl. C04B 7/43 (2006.01) C04B 7/46 (2006.01)
- [25] EN
- [54] METHOD OF PRODUCING CLINKER FROM CEMENT RAW MEAL
- [54] PROCEDE DE PRODUCTION DE CLINKER A PARTIR DE FARINE CRUE DE CIMENT
- [72] BUCHER, ERNST, CH
- [72] BRUSCO, GUILLERMO, CH
- [72] BLUM, RUDY, CH
- [72] STOFFEL, BEAT, CH
- [72] WEIHRAUCH, MICHAEL, CH
- [71] HOLCIM TECHNOLOGY LTD, CH
- [85] 2023-06-05
- [86] 2021-12-07 (PCT/IB2021/061403)
- [87] (WO2022/123435)
- [30] EP (20020600.1) 2020-12-09

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[13] A1

- [51] Int.Cl. B65D 65/46 (2006.01) B29C 51/00 (2006.01) C08J 5/18 (2006.01) C11D 17/04 (2006.01)
- [25] EN
- [54] WATER-SOLUBLE UNIT DOSE ARTICLE
- [54] ARTICLE DE DOSE UNITAIRE HYDROSOLUBLE
- [72] COURCHAY, FLORENCE CATHERINE, BE
- [72] FRIEDICH, STEVEN G., US
- [72] LABEQUE, REGINE, BE
- [72] LI, SHIGENG, US
- [72] VITIELLO, LUCA, BE
- [71] THE PROCTER & GAMBLE COMPANY, US
- [85] 2023-06-05
- [86] 2021-12-15 (PCT/US2021/063424)
- [87] (WO2022/132848)
- [30] EP (20214147.9) 2020-12-15

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[13] A1

- [51] Int.Cl. C07D 471/04 (2006.01) C07D 487/04 (2006.01)
- [25] EN
- [54] NITROGEN CONTAINING 2,3-DIHYDROQUINAZOLINONE COMPOUNDS AS NAV1.8 INHIBITORS
- [54] COMPOSES 2,3-DIHYDROQUINAZOLINE CONTENANT DE L'AZOTE SERVANT D'INHIBITEURS DE NAV1.8
- [72] DONG, XIAOYANG, US
- [72] ELBAN, MARK ANDREW, US
- [72] GUANG, JIE, US
- [72] HO, MING-HSUN, US
- [72] HOANG, TRAM H., US
- [72] ROMANO, JOSEPH J., US
- [72] WASHBURN, DAVID GLENN, US
- [71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY LIMITED, GB
- [85] 2023-06-05
- [86] 2021-12-16 (PCT/EP2021/086098)
- [87] (WO2022/129281)
- [30] US (63/127,297) 2020-12-18

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- [51] Int.Cl. G06T 7/60 (2017.01) G06T 7/33 (2017.01)
- [25] EN
- [54] METHOD AND SYSTEM FOR AUTOMATIC CHARACTERIZATION OF A THREE-DIMENSIONAL (3D) POINT CLOUD
- [54] PROCEDE ET SYSTEME DE CARACTERISATION AUTOMATIQUE D'UN NUAGE DE POINTS TRIDIMENSIONNEL (3D)
- [72] ABUELWAFA, SHERIF ESMAT OMAR, CA
- [72] JUPPE, LAURENT, CA
- [72] HOURIIA, ASMA IBEN, CA
- [72] LAVALLEE, ANNIE-PIER, CA
- [72] DESROCHERS, MARIE-EVE, CA
- [72] MARTIN, BRYAN ALLEN, CA
- [71] APPLICATIONS MOBILES OVERVIEW INC., CA
- [85] 2023-06-05
- [86] 2021-12-21 (PCT/IB2021/062129)
- [87] (WO2022/137134)
- [30] EP (20217317.5) 2020-12-24

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[13] A1

- [51] Int.Cl. A61K 47/54 (2017.01) A61K 38/00 (2006.01) A61P 3/10 (2006.01) C07K 14/585 (2006.01)
- [25] EN
- [54] DUAL AMYLIN AND CALCITONIN RECEPTOR AGONISTS AND USES THEREOF
- [54] DOUBLES AGONISTES DU RECEPTEUR DE LA CALCITONINE ET DE L'AMYLINE ET LEURS UTILISATIONS
- [72] COSKUN, TAMER, US
- [72] QU, HONGCHANG, US
- [72] KARSDAL, MORTEN ASSER, CH
- [72] ANDREASSEN, KIM VIETZ, CH
- [72] HENRIKSEN, KIM, CH
- [71] ELI LILLY AND COMPANY, US
- [71] KEYBIOSCIENCE AG, CH
- [85] 2023-06-05
- [86] 2021-12-17 (PCT/US2021/063990)
- [87] (WO2022/133187)
- [30] US (63/127,186) 2020-12-18

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[13] A1

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[25] EN  
[54] WATER-SOLUBLE UNIT DOSE ARTICLE  
[54] ARTICLE A DOSE UNITAIRE HYDROSOLUBLE  
[72] COURCHAY, FLORENCE CATHERINE, BE  
[72] FRIEDICH, STEVEN G., US  
[72] LABEQUE, REGINE, BE  
[72] LI, SHIGENG, US  
[72] VITIELLO, LUCA, BE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2023-06-05  
[86] 2021-12-15 (PCT/US2021/063423)  
[87] (WO2022/132847)  
[30] EP (20214392.1) 2020-12-15

**[21] 3,201,174**  
[13] A1

[51] Int.Cl. A61K 8/73 (2006.01)  
[25] EN  
[54] SOLUBLE SOLID FORM COSMETIC  
[54] PRODUIT COSMETIQUE SOUS FORME SOLIDE SOLUBLE  
[72] MIAS, LAURIE ANNE MARIE, CN  
[72] MILIS, GAETAN, BE  
[72] ROBERTI, DELPHINE, BE  
[71] CASTARALO LTD., CN  
[85] 2023-06-05  
[86] 2021-12-10 (PCT/IB2021/061569)  
[87] (WO2022/123518)  
[30] EP (20212948.2) 2020-12-10

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[13] A1

[51] Int.Cl. G01N 21/3504 (2014.01) G01M 3/38 (2006.01) G01N 21/35 (2014.01)  
[25] EN  
[54] METHANE MONITORING AND DETECTION APPARATUS AND METHODS  
[54] APPAREIL ET PROCEDES DE SURVEILLANCE ET DE DETECTION DE METHANE  
[72] LIEVOIS, TANNER, US  
[72] LIEVOIS, JOHN, US  
[71] BLUE SKY MEASUREMENTS, INC., US  
[85] 2023-06-05  
[86] 2021-12-13 (PCT/US2021/072871)  
[87] (WO2022/126137)  
[30] US (63/124,739) 2020-12-12

**[21] 3,201,177**  
[13] A1

[51] Int.Cl. B60N 2/28 (2006.01)  
[25] EN  
[54] JOINING STRUCTURE AND CHILD SAFETY SEAT INCLUDING THE SAME  
[54] STRUCTURE DE JONCTION ET SIEGE DE SECURITE POUR ENFANT LA COMPRENANT  
[72] ZHAO, GUANGHUI, CN  
[72] ZHANG, DALIANG, CN  
[72] FANG, GANQING, CN  
[71] WONDERLAND SWITZERLAND AG, CH  
[85] 2023-06-05  
[86] 2021-12-03 (PCT/EP2021/084256)  
[87] (WO2022/117867)  
[30] CN (202011411737.4) 2020-12-04  
[30] CN (202111108106.X) 2021-09-22

**[21] 3,201,178**  
[13] A1

[51] Int.Cl. A61K 47/68 (2017.01) A61K 47/65 (2017.01) C07K 16/28 (2006.01)  
[25] EN  
[54] IMPROVED CD30 TARGETING ANTIBODY DRUG CONJUGATES AND USES THEREOF  
[54] CONJUGUES MEDICAMENT-ANTICORPS CIBLANT CD30 AMELIORES ET UTILISATIONS DE CEUX-CI  
[72] LEONHARDT, HEINRICH, DE  
[72] HELMA-SMETS, JONAS, DE  
[72] SCHUMACHER, DOMINIK, DE  
[72] GERLACH, MARCUS, DE  
[72] HACKENBERGER, CHRISTIAN, DE  
[72] KASPER, MARC-ANDRE, DE  
[71] LUDWIG-MAXIMILIANS-UNIVERSITAT MUNCHEN, DE  
[71] FORSCHUNGSVERBUND BERLIN E.V, DE  
[85] 2023-06-05  
[86] 2021-12-22 (PCT/EP2021/087312)  
[87] (WO2022/136555)  
[30] EP (20216838.1) 2020-12-23

**[21] 3,201,180**  
[13] A1

[51] Int.Cl. B61K 9/08 (2006.01)  
[25] EN  
[54] FASTENER-MONITORING DEVICE, FASTENER-MONITORING SYSTEM, AND FASTENER-MONITORING METHOD  
[54] DISPOSITIF DE SURVEILLANCE D'ELEMENT DE FIXATION, SYSTEME DE SURVEILLANCE D'ELEMENT DE FIXATION, ET PROCEDE DE SURVEILLANCE D'ELEMENT DE FIXATION  
[72] NISHIO, YUSUKE, JP  
[71] KAWASAKI RAILCAR MANUFACTURING CO., LTD., JP  
[85] 2023-06-05  
[86] 2020-12-15 (PCT/JP2020/046692)  
[87] (WO2022/130488)

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[13] A1

[51] Int.Cl. A01N 25/10 (2006.01) A01N 25/12 (2006.01) A01N 43/84 (2006.01) A01P 13/02 (2006.01)  
[25] EN  
[54] MICROPARTICLE COMPOSITIONS COMPRISING TRIFLUDIMOXAZIN  
[54] COMPOSITIONS DE MICROPARTICULES COMPRENANT DE LA TRIFLUDIMOXAZINE  
[72] MERTOGLU, MURAT, DE  
[72] BOWE, STEVEN JOSEPH, US  
[72] FINDLEY, DOUGLAS, US  
[72] OSCHMANN, BERND DIETER, DE  
[71] BASF SE, DE  
[85] 2023-06-05  
[86] 2021-12-02 (PCT/EP2021/083888)  
[87] (WO2022/122526)  
[30] EP (20212393.1) 2020-12-08

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[13] A1

[51] Int.Cl. H04L 9/40 (2022.01) H04W  
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45/50 (2022.01) H04L 67/12 (2022.01)  
H04L 69/08 (2022.01) H04L 12/66  
(2006.01) H04Q 3/00 (2006.01)  
[25] EN  
[54] CLEARING HOUSE SIGNALING  
[54] SIGNALISATION DE CHAMBRE  
DE COMPENSATION  
[72] POWERS, MICHAEL W., US  
[72] ROSS, JEFFREY V., US  
[72] FRISBIE, STEPHEN P., US  
[71] GLOBAL BUSINESS SOFTWARE  
DEVELOPMENT TECHNOLOGIES,  
INC., US  
[85] 2023-06-05  
[86] 2021-12-07 (PCT/US2021/072784)  
[87] (WO2022/126103)  
[30] US (63/122,260) 2020-12-07  
[30] US (17/458,000) 2021-12-07

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**[21] 3,201,187**  
[13] A1

[51] Int.Cl. C12M 1/00 (2006.01) C12M  
1/26 (2006.01)  
[25] EN  
[54] METHOD FOR OPERATING  
BIOPROCESSING SYSTEM AND  
BIOPROCESSING SYSTEM  
[54] PROCEDE POUR FAIRE  
FONCTIONNER UN SYSTEME DE  
BIOTRAITEMENT ET SYSTEME  
DE BIOTRAITEMENT  
[72] KONIGSSON, STAFFAN, SE  
[72] THORWID, PETER, SE  
[71] ALFA LAVAL CORPORATE AB, SE  
[85] 2023-06-05  
[86] 2021-11-22 (PCT/EP2021/082437)  
[87] (WO2022/128347)  
[30] EP (20214285.7) 2020-12-15

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**[21] 3,201,189**  
[13] A1

[51] Int.Cl. C07K 14/725 (2006.01) A61P  
35/02 (2006.01) C07K 14/705  
(2006.01) C07K 16/28 (2006.01)  
[25] EN  
[54] CAR T CELLS FOR TREATING  
CD19+, CD20+ OR CD22+ TUMORS  
OR B-CELL DERIVED AUTO-  
IMMUNE DISEASES  
[54] CELLULES CAR-T POUR  
TRAITER DES TUMEURS CD19+,  
CD20+ OU CD22+ OU DES  
MALADIES AUTO-IMMUNES  
DERIVEES DE CELLULES B  
[72] QUINTARELLI, CONCETTA, IT  
[72] DE ANGELIS, BIAGIO, IT  
[72] LOCATELLI, FRANCO, IT  
[71] OSPEDALE PEDIATRICO BAMBINO  
GESU', IT  
[85] 2023-06-05  
[86] 2021-12-10 (PCT/IT2021/050402)  
[87] (WO2022/123613)  
[30] IT (102020000030266) 2020-12-10

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**[21] 3,201,191**  
[13] A1

[51] Int.Cl. B42D 25/324 (2014.01) B42D  
25/342 (2014.01) B42D 25/351  
(2014.01)  
[25] EN  
[54] METHODS FOR DESIGNING AND  
PRODUCING A SECURITY  
FEATURE  
[54] PROCEDES PERMETTANT DE  
CONCEVOIR ET DE PRODUIRE  
UNE CARACTERISTIQUE DE  
SECURITE  
[72] STEWART, ROBERT LAIRD, CH  
[71] KBA-NOTASYS SA, CH  
[85] 2023-06-05  
[86] 2021-12-14 (PCT/EP2021/085667)  
[87] (WO2022/129032)  
[30] GB (2019780.2) 2020-12-15

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**[21] 3,201,193**  
[13] A1

[51] Int.Cl. A61K 47/69 (2017.01)  
[25] FR  
[54] PHARMACEUTICAL  
COMPOSITION CONTAINING  
PROPOFOL, A CYCLODEXTRIN  
OR A CYCLODEXTRIN  
DERIVATIVE AND A  
PHARMACEUTICALLY  
ACCEPTABLE SALT  
[54] COMPOSITION  
PHARMACEUTIQUE  
CONTENANT DU PROPOFOL,  
UNE CYCLODEXTRINE OU UN  
DERIVE DE CYCLODEXTRINE ET  
UN SEL  
PHARMACEUTICALEMENT  
ACCEPTABLE  
[72] BOUCHFAA, MYRIAM, FR  
[72] ROUSSELEAU, DAMIEN, FR  
[72] LANNOY, DAMIEN, FR  
[72] ODOU, PASCAL, FR  
[71] CENTRE HOSPITALIER  
UNIVERSITAIRE DE LILLE, FR  
[85] 2023-06-05  
[86] 2021-12-10 (PCT/EP2021/085133)  
[87] (WO2022/122992)  
[30] FR (FR2012996) 2020-12-10

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**[21] 3,201,196**  
[13] A1

[51] Int.Cl. C09D 5/08 (2006.01) H01B  
3/30 (2006.01) H01L 23/24 (2006.01)  
H05K 3/28 (2006.01)  
[25] EN  
[54] COMPOSITION AND METHOD  
FOR IMPROVING DURABILITY  
OF ELECTRICALLY INSULATING  
AND WATERPROOFING GEL  
COATING SYSTEMS  
[54] COMPOSITION ET PROCEDE  
POUR AMELIORER LA  
DURABILITE DE SYSTEMES DE  
REVETEMENT EN GEL  
ELECTRIQUEMENT ISOLANT ET  
IMPERMEABILISANT  
[72] KLEINGARTNER, JUSTIN, US  
[72] BALASUBRAMANIAN, SRUTI, US  
[72] DOYLE, LIAM, US  
[72] VIRY, CEDRIC, US  
[72] ZHAO, JULIA, US  
[71] ACTNANO, INC., US  
[85] 2023-06-05  
[86] 2021-12-03 (PCT/US2021/061909)  
[87] (WO2022/120245)  
[30] US (63/121,747) 2020-12-04  
[30] US (63/240,533) 2021-09-03

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**[21] 3,201,198**  
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- [51] Int.Cl. C08G 59/18 (2006.01) C09D 7/65 (2018.01) C08G 59/40 (2006.01) C09D 5/44 (2006.01) C09D 163/00 (2006.01)
  - [25] EN
  - [54] ELECTRODEPOSITION COATING MATERIAL COMPOSITIONS COMPRISING ALKOXYLATED POLYETHYLENEIMINES
  - [54] COMPOSITIONS DE MATERIAU DE REVETEMENT PAR ELECTRODEPOSITION COMPRENANT DES POLYETHYLENEIMINES ALCOXYLEES
  - [72] BERG, SEBASTIAN, DE
  - [72] RESSEL, JOERG, DE
  - [72] JUNG, WERNER-ALFONS, DE
  - [71] BASF COATINGS GMBH, DE
  - [85] 2023-06-05
  - [86] 2021-11-23 (PCT/EP2021/082636)
  - [87] (WO2022/128359)
  - [30] EP (20214210.5) 2020-12-15
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**[21] 3,201,201**  
[13] A1

- [51] Int.Cl. C01B 32/198 (2017.01)
- [25] EN
- [54] GRAPHENE OXIDE HAVING ANTIMICROBIAL PROPERTIES, PREPARATION PROCESS AND USE THEREOF TO CONFER ANTIMICROBIAL PROPERTIES TO RUBBER ARTICLES
- [54] OXYDE DE GRAPHENE AYANT DES PROPRIETES ANTIMICROBIENNES, SON PROCEDE DE PREPARATION ET SON UTILISATION POUR CONFERER DES PROPRIETES ANTIMICROBIENNES A DES ARTICLES EN CAOUTCHOUC
- [72] ASSANELLI, GIULIO, IT
- [72] NOTARI, MARCELLO, IT
- [72] SERBOLISCA, LUCA, IT
- [72] GALIMBERTI, MAURIZIO STEFANO, IT
- [72] CANDIANI, GABRIELE, IT
- [71] ENI SPA, IT
- [85] 2023-06-05
- [86] 2022-02-23 (PCT/IB2022/051572)
- [87] (WO2022/180524)
- [30] IT (10202100004463) 2021-02-25

**[21] 3,201,202**  
[13] A1

- [51] Int.Cl. G01N 9/02 (2006.01)
- [25] EN
- [54] METHOD, COMPUTER PROGRAM, COMPUTER SYSTEM AND ASSEMBLY FOR THE NON-DESTRUCTIVE DETERMINATION OF THE JUICE CONTENT OF JUICE FRUITS, AS WELL AS THE USE OF THIS ASSEMBLY FOR THE QUALITY CLASSIFICATION OF JUICE FRUITS
- [54] PROCEDE, PROGRAMME D'ORDINATEUR, SYSTEME INFORMATIQUE ET ENSEMBLE POUR LA DETERMINATION NON DESTRUCTIVE DE LA TENEUR EN JUS DE FRUITS A JUS, AINSI QUE L'UTILISATION DE CET ENSEMBLE POUR LA CLASSIFICATION DE QUALITE DE FRUITS A JUS
- [72] CAMPAGNARO, DANIELE, IT
- [72] MODICA, NICOLA, IT
- [72] GAETAN, CARLO, IT
- [72] GIRARDI, PAOLO, IT
- [72] RIELLO, PIETRO, IT
- [71] AGRICOLA LUSIA S.R.L., IT
- [85] 2023-06-05
- [86] 2021-11-25 (PCT/IB2021/060981)
- [87] (WO2022/123385)
- [30] IT (10202000030629) 2020-12-11

**[21] 3,201,203**  
[13] A1

- [51] Int.Cl. E21B 34/06 (2006.01) E21B 34/14 (2006.01) E21B 34/16 (2006.01)
  - [25] EN
  - [54] SYSTEMS AND METHODS FOR PRODUCING HYDROCARBON MATERIAL FROM OR INJECTING FLUID INTO A SUBTERRANEAN FORMATION USING A PRESSURE COMPENSATING VALVE ASSEMBLY
  - [54] SYSTEMES ET PROCEDES DE PRODUCTION DE MATERIAU HYDROCARBONE A PARTIR D'UNE FORMATION SOUTERRAINE OU D'INJECTION DE FLUIDE DANS UNE FORMATION SOUTERRAINE A L'AIDE D'UN ENSEMBLE VALVE DE COMPENSATION DE PRESSION
  - [72] JOHNSON, TIM, CA
  - [71] NCS MULTISTAGE INC., CA
  - [85] 2023-06-05
  - [86] 2021-11-30 (PCT/CA2021/051709)
  - [87] (WO2022/120464)
  - [30] US (63/122,098) 2020-12-07
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**[21] 3,201,205**  
[13] A1

- [51] Int.Cl. C12Q 1/6848 (2018.01) C12Q 1/6869 (2018.01) C12Q 1/6876 (2018.01)
- [25] EN
- [54] OLIGONUCLEOTIDES
- [54] OLIGONUCLEOTIDES
- [72] PHILPOTT, MARTIN, GB
- [72] CRIBBS, ADAM, GB
- [72] OPPERMANN, UDO, GB
- [72] BROWN, TOM JR., GB
- [72] BROWN, TOM SR., GB
- [72] WATSON, JONATHAN FRANCIS, GB
- [71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
- [85] 2023-06-01
- [86] 2021-12-02 (PCT/GB2021/053152)
- [87] (WO2022/118027)
- [30] GB (2019035.1) 2020-12-02

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[21] 3,201,206

[13] A1

[51] Int.Cl. C09D 5/00 (2006.01) C09D 5/16 (2006.01)

[25] EN

[54] PROCESS FOR PREPARING AN ANTIMICROBIAL COATING COMPOSITION, ANTIMICROBIAL COATING COMPOSITION AND USE THEREOF TO CONFER ANTIMICROBIAL PROPERTIES TO THE SURFACE OF A SUBSTRATE

[54] PROCEDE DE PREPARATION D'UNE COMPOSITION DE REVETEMENT ANTIMICROBIENNE, COMPOSITION DE REVETEMENT ANTIMICROBIENNE ET UTILISATION DE CELLE-CI POUR CONFERER DES PROPRIETES ANTIMICROBIENNES A LA SURFACE D'UN SUBSTRA

[72] ASSANELLI, GIULIO, IT

[72] NOTARI, MARCELLO, IT

[72] AMICO, ANTONIO, IT

[72] PO, RICCARDO, IT

[72] SERBOLISCA, LUCA, IT

[71] ENI SPA, IT

[85] 2023-06-05

[86] 2022-02-23 (PCT/IB2022/051568)

[87] (WO2022/180521)

[30] IT (10202100004457) 2021-02-25

[21] 3,201,207

[13] A1

[51] Int.Cl. C22B 5/12 (2006.01) F27B 1/20 (2006.01) F27D 3/16 (2006.01)

[25] EN

[54] METHOD FOR THE PYROMETALLURGICAL SMELTING OF METAL- CONTAINING RAW MATERIALS, WASTE MATERIALS AND/OR SECONDARY WASTE MATERIALS

[54]

[72] KAUSSEN, FRANK MARLIN, DE

[72] BOROWSKI, NIKOLAUS PETER KURT, DE

[72] REUTER, MARKUS ANDREAS, DE

[72] GEIMER, STEPHAN, DE

[72] LUX, TIMM, DE

[72] DEGEL, ROLF, DE

[71] SMS GROUP GMBH, DE

[85] 2023-06-01

[86] 2021-11-30 (PCT/EP2021/083636)

[87] (WO2022/117585)

[30] DE (10 2020 215 147.4) 2020-12-01

[21] 3,201,211

[13] A1

[51] Int.Cl. A01H 1/00 (2006.01) C12N 15/31 (2006.01) C12N 15/85 (2006.01)

[25] EN

[54] PROTEASE INHIBITORS AND THEIR USE TO PROVIDE DISEASE RESISTANCE IN PLANTS AND AS ANTIMICROBIALS

[54] INHIBITEURS DE PROTEASE ET LEUR UTILISATION POUR FOURNIR UNE RESISTANCE AUX MALADIES DANS DES PLANTES ET EN TANT QU'ANTIMICROBIENS

[72] HEUBERGER, ADAM L., US

[72] CHARKOWSKI, AMY O., US

[72] JOSHI, JANAK R., US

[71] COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, US

[85] 2023-06-01

[86] 2021-12-10 (PCT/US2021/062804)

[87] (WO2022/125894)

[30] US (63/123,611) 2020-12-10

[30] US (63/261,771) 2021-09-28

[21] 3,201,210

[13] A1

[51] Int.Cl. A01N 43/40 (2006.01) A01N 25/10 (2006.01) A01N 25/28 (2006.01) A01N 43/56 (2006.01) A01P 3/00 (2006.01) A01P 5/00 (2006.01)

[25] EN

[54] MICROPARTICLE COMPOSITIONS COMPRISING FUNGICIDES

[54] COMPOSITIONS DE MICROPARTICULES COMPRENANT DES FONGICIDES

[72] OSCHMANN, BERND DIETER, DE

[72] LE, DUY MINH, US

[72] LAN, YONGQING, DE

[72] KATZ, BRITTA, DE

[72] HERMANN, OLGA, DE

[72] BAUMGAERTNER, TIMO, DE

[72] BUMMEL, TOBIAS, DE

[71] BASF CORPORATION, US

[85] 2023-06-05

[86] 2021-12-02 (PCT/EP2021/083866)

[87] (WO2022/122520)

[30] EP (20212390.7) 2020-12-08

[21] 3,201,213

[13] A1

[51] Int.Cl. C08J 5/00 (2006.01) C08L 23/00 (2006.01) C08L 53/00 (2006.01)

[25] EN

[54] HIGH CRYSTALLINE OLEFIN POLYMER FOR HIGH SPEED SPINNING

[54] POLYMERE D'OLEFINE A CRISTALLINITE ELEVEE POUR FILAGE A GRANDE VITESSE

[72] KAARTO, JOHN, US

[71] W. R. GRACE & CO.-CONN., US

[85] 2023-06-05

[86] 2021-12-06 (PCT/US2021/062066)

[87] (WO2022/125468)

[30] US (63/122,680) 2020-12-08

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[13] A1

- [51] Int.Cl. G01L 1/22 (2006.01) G01L 5/161 (2020.01) G01L 3/14 (2006.01)
- [25] EN
- [54] BRACKET TORQUE DEVICE
- [54] DISPOSITIF DE COUPLE DE SUPPORT
- [72] KITCHENS, MICHAEL, US
- [72] SAMARNEH, JOSEPH, US
- [72] MCCONNELL, DANIEL, US
- [71] BRAY INTERNATIONAL, INC., US
- [85] 2023-06-01
- [86] 2021-12-10 (PCT/US2021/062807)
- [87] (WO2022/125897)
- [30] US (63/123,818) 2020-12-10
- [30] US (17/139,284) 2020-12-31

**[21] 3,201,223**  
[13] A1

- [51] Int.Cl. G06Q 30/02 (2023.01)
- [25] EN
- [54] SYSTEM FOR ON-DEMAND ADVERTISING
- [54] SYSTEME DE PUBLICITE A LA DEMANDE
- [72] PETERS-KIM, OLAF, DE
- [72] DOMMERS, PHILIPP, DE
- [71] WELECT GMBH, DE
- [85] 2023-06-01
- [86] 2021-09-29 (PCT/EP2021/076789)
- [87] (WO2022/117243)
- [30] US (17/108,978) 2020-12-01

**[21] 3,201,224**  
[13] A1

- [51] Int.Cl. C07D 401/12 (2006.01) A61K 31/4725 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01)
- [25] EN
- [54] ALDEHYDE DEHYDROGENASE INHIBITORS AND THEIR THERAPEUTIC USE
- [54] INHIBITEURS D'ALDEHYDE DESHYDROGENASE ET LEUR UTILISATION THERAPEUTIQUE
- [72] KERSHAW, CHRISTOPHER STEPHEN, GB
- [72] ALJARAH, MOHAMMED, GB
- [72] NICULESCU-DUVAZ, DAN, GB
- [72] DODSWORTH, MARK PHILIP, GB
- [72] BORDONI, CINZIA, GB
- [72] SPRINGER, CAROLINE, GB
- [71] CANCER RESEARCH TECHNOLOGY LIMITED, GB
- [85] 2023-06-05
- [86] 2021-12-10 (PCT/EP2021/085260)
- [87] (WO2022/123039)
- [30] GB (2019475.9) 2020-12-10

**[21] 3,201,225**  
[13] A1

- [51] Int.Cl. E21B 47/18 (2012.01) E21B 7/128 (2006.01) E21B 17/07 (2006.01)
- [25] EN
- [54] OSCILLATING DATALINK USEFUL IN DOWNHOLE APPLICATIONS
- [54] LIAISON DE DONNEES OSCILLANTE UTILE DANS DES APPLICATIONS DE FOND DE TROU
- [72] FRITH, BENJAMIN G., US
- [72] FRITH, TERRENCE G., US
- [72] SIMMONS, J. HUNTER, US
- [71] GORDON TECHNOLOGIES LLC, US
- [85] 2023-06-01
- [86] 2021-12-10 (PCT/US2021/062959)
- [87] (WO2022/125993)
- [30] US (63/123,987) 2020-12-10

**[21] 3,201,230**  
[13] A1

- [51] Int.Cl. A61B 17/00 (2006.01) A61B 18/00 (2006.01) A61B 18/20 (2006.01) A61N 5/06 (2006.01)
- [25] EN
- [54] AESTHETIC LASER APPARATUS FOR PERFORMING TREATMENT BY IRRADIATING A HUMAN SKIN TO BE TREATED BY A VARIABLE PULSED LASER BEAM
- [54] APPAREIL LASER ESTHETIQUE POUR EFFECTUER UN TRAITEMENT PAR EXPOSITION A UN RAYONNEMENT D'UNE PEAU HUMAINE A TRAITER PAR UN FAISCEAU LASER PULSE VARIABLE
- [72] ASSA, SHLOMO, US
- [72] FANG, YINGYUAN, US
- [71] FA CORPORATION, US
- [85] 2023-06-05
- [86] 2021-12-07 (PCT/US2021/062159)
- [87] (WO2022/125516)
- [30] US (17/113,588) 2020-12-07

**[21] 3,201,231**  
[13] A1

- [51] Int.Cl. A01G 24/40 (2018.01) A01G 31/02 (2006.01) B09C 1/00 (2006.01) B09C 1/08 (2006.01) B63B 35/00 (2020.01) C02F 3/32 (2006.01)
- [25] EN
- [54] MODULAR ISLAND ASSEMBLIES FOR RECLAMATION AND RESTORATION OF WETLANDS, RESERVOIRS, AND WATERWAYS
- [54] ENSEMBLES D'ILLOTS MODULAIRES POUR LA RECUPERATION ET LA RESTAURATION DES MILIEUX HUMIDES, DES RESERVOIRS ET DES VOIES NAVIGABLES
- [72] TANNAS, STEVEN, CA
- [72] HOOPER, TIMOTHY, CA
- [71] GREAT PLAINS RESTORATION SOLUTIONS INC., CA
- [85] 2023-06-02
- [86] 2021-12-03 (PCT/CA2021/051727)
- [87] (WO2022/115958)
- [30] US (63/121,354) 2020-12-04

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**[21] 3,201,232**  
[13] A1

- [51] **Int.Cl. C07D 311/80 (2006.01) C07C 59/54 (2006.01) C07C 65/19 (2006.01) C07C 211/08 (2006.01) C07C 211/35 (2006.01) C07D 211/12 (2006.01) C07D 295/02 (2006.01) C07D 311/58 (2006.01) C07D 487/04 (2006.01) C07D 487/08 (2006.01) A23L 33/10 (2016.01) A23L 33/105 (2016.01)**
- [25] EN
- [54] **METHODS FOR EXTRACTION, PROCESSING, AND PURIFICATION OF MINOR CANNABINOID COMPOUNDS FROM CANNABIS**
- [54] **PROCEDES D'EXTRACTION, DE TRAITEMENT ET DE PURIFICATION DE COMPOSES CANNABINOIDES MINEURS ISSUS DE CANNABIS**
- [72] DURST, TONY, CA  
[72] VAN DER VLUGT, JAY, CA  
[71] NECTAR HEALTH SCIENCES INC., CA  
[85] 2023-06-02  
[86] 2021-12-06 (PCT/CA2021/051742)  
[87] (WO2022/115971)  
[30] US (63/121,557) 2020-12-04  
[30] US (63/123,027) 2020-12-09

**[21] 3,201,233**  
[13] A1

- [51] **Int.Cl. F16D 51/22 (2006.01) B62D 7/18 (2006.01) F16D 65/22 (2006.01)**
- [25] EN
- [54] **KNUCKLE FOR A SELF-STEERING AXLE/SUSPENSION SYSTEM**
- [54] **JOINT D'ARTICULATION POUR UN SYSTEME D'ESSIEU AUTO-DIRECTEUR/SUSPENSION**
- [72] WHITE, JAY D., US  
[72] SCHAEFFER, DAVID L., US  
[72] DHARAIYA, DHAWAL P., US  
[71] HENDRICKSON USA, L.L.C., US  
[85] 2023-06-05  
[86] 2021-11-18 (PCT/US2021/059860)  
[87] (WO2022/132376)  
[30] US (63/126,193) 2020-12-16

**[21] 3,201,234**  
[13] A1

- [25] EN
- [54] **A CYBER-PHYSICAL SYSTEM FOR AN AUTONOMOUS OR SEMI-AUTONOMOUS VEHICLE**
- [54] **UN SYSTEME CYBER-PHYSIQUE POUR UN VEHICULE AUTONOME OU SEMI-AUTONOME**
- [72] CHEVALIER, PHILIPPE ARTHUR JEAN GHISLAIN, BE  
[72] EJZENBERG, GEOFFREY, BE  
[72] JANS, NOEL, BE  
[71] BEHAULT INDUSTRIAL PROPERTY OFFICE B.V., BE  
[85] 2023-06-05  
[86] 2020-12-07 (PCT/EP2020/084946)  
[87] (WO2022/122118)

**[21] 3,201,235**  
[13] A1

- [51] **Int.Cl. G16H 50/70 (2018.01) G06F 16/22 (2019.01)**
- [25] EN
- [54] **SIGNAL**  
[54] **SIGNAL**
- [72] DOUVILLE, CHRISTOPHER, US  
[72] GRANT, HALEY, US  
[72] KUO, ALBERT, US  
[72] LAHOUEL, KAMEL, US  
[72] KINZLER, KENNETH W., US  
[72] PAPADOPoulos, NICKOLAS, US  
[72] TOMASETTI, CRISTIAN, US  
[72] VOGELSTEIN, BERT, US  
[71] THE JOHNS HOPKINS UNIVERSITY, US  
[85] 2023-06-05  
[86] 2021-10-01 (PCT/US2021/053140)  
[87] (WO2022/132285)  
[30] US (63/125,171) 2020-12-14

**[21] 3,201,238**  
[13] A1

- [51] **Int.Cl. F24H 1/43 (2006.01)**
- [25] EN
- [54] **CONDENSING HEAT EXCHANGER AND WATER HEATER HAVING THE SAME**
- [54] **ECHANGEUR DE CHALEUR A CONDENSATION ET CHAUFFAGE EAU LE COMPRENANT**
- [72] WANG, WEI, CN  
[72] ZHANG, CHENGJUN, CN  
[72] LIN, KANG, CN  
[71] A.O. SMITH (CHINA) WATER HEATER CO., LTD., CN  
[85] 2023-06-05  
[86] 2021-08-24 (PCT/CN2021/114193)  
[87] (WO2022/121376)  
[30] CN (202011417846.7) 2020-12-07

**[21] 3,201,239**  
[13] A1

- [51] **Int.Cl. C02F 1/24 (2006.01) C02F 1/58 (2006.01)**
- [25] EN
- [54] **A METHOD OF SEPARATION**  
[54] **PROCEDE DE SEPARATION**
- [72] BURNS, DAVID JOHN, AU  
[72] MORRISON, ANTHONY LINDSAY, AU  
[71] OPEC REMEDIATION TECHNOLOGIES PTY LTD, AU  
[85] 2023-06-05  
[86] 2021-12-03 (PCT/IB2021/061337)  
[87] (WO2022/118292)  
[30] AU (2020904480) 2020-12-03  
[30] AU (2020904481) 2020-12-03

**[21] 3,201,240**  
[13] A1

- [51] **Int.Cl. B08B 9/032 (2006.01) F16L 55/07 (2006.01)**
- [25] EN
- [54] **SPADE FLANGE TOOL WITH FLUID PASSAGE**
- [54] **OUTIL A BRIDE DE TYPE BECHE AYANT UN PASSAGE DE FLUIDE**
- [72] MINAKER, JODY TYLER, CA  
[72] CASE, ADAM RICHARD, CA  
[71] VITAL CONTAINMENT SOLUTIONS INC., CA  
[85] 2023-06-05  
[86] 2021-12-03 (PCT/CA2021/051731)  
[87] (WO2022/115962)  
[30] US (63/199,082) 2020-12-05

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  - [54] GENERATEUR DE SEANCE D'ENTRAINEMENT MENEE PAR LES EMOTIONS
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  - [72] STEVENSON, J. TRAVIS, CA
  - [71] WATTCHE FITNESS INC., CA
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  - [54] ENSEMBLE JOINT ETANCHE A L'EAU INTEGRE ET SON UTILISATION
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  - [72] ZHOU, DONG, CN
  - [72] ZHU, DONGDONG, CN
  - [71] SHENZHEN COTRAN NEW MATERIAL CO., LTD, CN
  - [85] 2023-06-05
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  - [54] DEPOT DE METAL IN SITU DANS UN TOKAMAK
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  - [72] JACKSON, MIKE, GB
  - [71] TOKAMAK ENERGY LTD, GB
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  - [54] PROCEDES DE FISCHER-TROPSCH AVEC SELECTIVITE DE PRODUIT MODIFIEE
  - [72] PATERSON, ALEXANDER JAMES, GB
  - [71] BP P.L.C., GB
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  - [72] PATERSON, ALEXANDER JAMES, GB
  - [72] SUNLEY, JOHN GLENN, GB
  - [71] BP P.L.C., GB
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  - [54] CORPS DE FIL CONDUCTEUR DE TYPE RUBAN PLAT ET FAISCEAU DE FILS DE TYPE RUBAN PLAT
  - [72] WANG, CHAO, CN
  - [71] CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., CN
  - [85] 2023-06-05
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- [54] POLYTHERAPIES COMPRENANT DES ACIDES GRAS STRUCTURALEMENT AMELIOREES CONTENANT DE L'OXYGENE POUR LE TRAITEMENT DE LA STEATOHEPATITE NON ALCOOLIQUE
- [72] FRASER, DAVID ALAN, NO
- [71] NORTHSEA THERAPEUTICS B.V., NL
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- [54] **MASITINIB POUR LE TRAITEMENT DE LA MALADIE D'ALZHEIMER**
- [72] MOUSSY, ALAIN, FR
- [72] MANSFIELD, COLIN, FR
- [71] AB SCIENCE, FR
- [85] 2023-06-05
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- [54] **PROCEDES DE FORMATION OU DE REPARATION D'UNE PIECE A SECTION EN PORTE-A-FAUX, ET PIECE DE TURBOMACHINE ASSOCIEE**
- [72] NEVILLE, JASON, US
- [72] WOOLRIDGE, JILLIAN JAMISON, US
- [72] SALM, JACOB ANDREW, US
- [72] HART, KASSY MOY, US
- [71] GENERAL ELECTRIC COMPANY, US
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- [54] **MECHANICALLY RESILIENT AND WEAR RESISTANT STEEL COMPOSITIONS AND HIGH-PRESSURE PUMPS AND PUMP COMPONENTS COMPRISED THEREOF**
- [54] **COMPOSITIONS D'ACIER RESISTANT A L'USURE ET A LA CORROSION ET POMPES A HAUTE PRESSION ET COMPOSANTS DE POMPE CONSTITUEES DE CELLES-CI**

[72] BAYYOUK, JACOB, US  
[72] PEARSON, ALASTAIR SCOTT, US  
[72] HIPPENSTIEL, FRANK, US  
[72] MULLER, MICHAEL, US  
[71] SPM OIL & GAS INC., US  
[85] 2023-06-05  
[86] 2021-12-09 (PCT/US2021/062644)  
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  - [54] **HYBRID ENSEMBLE APPROACH FOR IOT PREDICTIVE MODELLING**
  - [54] **APPROCHE D'ENSEMBLE HYBRIDE POUR MODELISATION PREDICTIVE IDO**
  - [72] KHURSHUDOV, ANDREI, US  
[72] JEWELL, TYLER P., US  
[72] SMITH, ZACHARY D., US  
[72] LIN, DAVID J., US  
[71] CATERPILLAR INC., US  
[85] 2023-06-05  
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- [54] **REDUCTION DU BRUIT DANS DES CLAPETS A BILLE**
- [72] BRYAN, KYLE MCKINLEY, US
- [72] WHITTEN, JONATHAN CLYDE, US
- [72] MOHAMED, ABDUL RAOOF, US
- [72] JOHANNING, JEFFREY LOUIS, US
- [71] DRESSER, LLC, US
- [85] 2023-06-05
- [86] 2021-12-06 (PCT/US2021/072756)
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- [54] **SUSPENSION AND DRIVE SYSTEM FOR A MACHINE**
- [54] **SYSTEME DE SUSPENSION ET D'ENTRAIEMENT POUR UNE MACHINE**
- [72] JOHNSON, PETER J., US
- [71] CATERPILLAR SARL, CH
- [85] 2023-06-05
- [86] 2021-12-03 (PCT/EP2021/025482)
- [87] (WO2022/122183)
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  - [54] **AGENT DE LIBERATION DE SUBSTANCE FONCTIONNELLE**
  - [72] CREUTZ, SERGE, BE
  - [72] BENBAKOURA, RAHMA, BE
  - [72] GROFILS, SEBASTIEN, BE
  - [71] DOW SILICONES CORPORATION, US
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- [54] COMPOSITION D'AMORTISSEMENT DU BRUIT APPLIQUEE LIQUIDE
- [72] ROBERTSON, IAN D., US
- [72] LEONARD, MICHAEL W., US
- [72] DRUMRIGHT, RAY E., US
- [72] BOHLING, JAMES C., US
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
- [71] ROHM AND HAAS COMPANY, US
- [85] 2023-06-05
- [86] 2021-11-19 (PCT/US2021/059998)
- [87] (WO2022/132383)
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- [54] PROCEDES POUR AMELIORER LA RESPONSABILITE CATALYTIQUE D'UN METAL DANS DES PROCEDES D'HYDROFORMYLATION
- [72] BRAMMER, MICHAEL A., US
- [72] GILES, JASON F., US
- [72] MILLER, GLENN A., US
- [71] DOW TECHNOLOGY INVESTMENTS LLC, US
- [85] 2023-06-05
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- [87] (WO2022/132372)
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- [25] EN
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- [54] ELEMENT DE GUIDAGE POUR FLUIDE HYDRAULIQUE
- [72] WEAR, DANIEL GREGORY, US
- [72] SHIM, THOMAS K., US
- [71] CATERPILLAR INC., US
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- [86] 2021-12-13 (PCT/US2021/062997)
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- [25] EN
- [54] CONVERTIBLE HOUSING ASSEMBLY FOR A PARTICLE SENSOR
- [54] ENSEMBLE BOITIER CONVERTIBLE POUR CAPTEUR DE PARTICULES
- [72] WEAR, DANIEL G., US
- [72] SHIM, THOMAS K., US
- [71] CATERPILLAR INC., US
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- [87] (WO2022/132516)
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- [25] EN
- [54] HIGH SELECTIVITY POLYIMIDE/PES BLEND HOLLOW FIBER MEMBRANE FOR GAS SEPARATIONS
- [54] MEMBRANE A FIBRES CREUSES DE MELANGE POLYIMIDE/PES A SELECTIVITE ELEVEE POUR SEPARATIONS DE GAZ
- [72] LIU, CHUNQING, US
- [72] DONG, XUELIANG, US
- [72] WEBB, JEREMY NOLAN, US
- [71] UOP LLC, US
- [85] 2023-06-05
- [86] 2021-12-09 (PCT/US2021/062642)
- [87] (WO2022/132566)
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- [54] INTRACELLULAR ATP ENHANCER
- [54] ACTIVATEUR INTRACELLULAIRE D'ATP
- [72] HIRAKAWA, MIKI, JP
- [72] OKAMOTO, KEN, JP
- [72] HIRANO, MASUHARU, JP
- [71] SCHOOL JURIDICAL PERSON HIGASHI-NIPPON-GAKUEN, JM
- [71] THE UNIVERSITY OF TOKYO, JP
- [71] NIPPON CHEMIPHAR CO., LTD., JP
- [85] 2023-06-06
- [86] 2021-12-08 (PCT/JP2021/045045)
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  - [54] PROCEDE D'EXTRACTION DE PROTEINES DE LEGUMES SECS
  - [72] FOUGNIES, CHRISTIAN, BE
  - [72] LEBESGUE, JULIE, FR
  - [72] GALVAN D'ALESSANDRO, LEANDRO, FR
  - [72] ROMANO, NICOLAS, BE
  - [72] MAES, JUSTINE, BE
  - [71] COSUCRA GROUPE WARCOING S.A., BE
  - [85] 2023-06-06
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  - [30] EP (20217172.4) 2020-12-23
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- [25] EN
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- [72] MILLER, GREG, US
- [72] LILLIE, SHAWN, US
- [72] IRELAND, JASON, US
- [71] PARTNER THERAPEUTICS, INC., US
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- [86] 2021-12-07 (PCT/US2021/062168)
- [87] (WO2022/125523)
- [30] US (63/122,593) 2020-12-08
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  - [54] ELEMENT PERMEABLE AU GAZ ET SON PROCEDE DE FABRICATION
  - [72] FLOREZ, MARK, US
  - [72] LOGEL, VALERE, FR
  - [71] AIRNOV, INC., US
  - [85] 2023-06-06
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- [25] EN
- [54] DEVICES, SYSTEMS, AND METHODS FOR PUBLIC/PRIVATE KEY AUTHENTICATION
- [54] DISPOSITIFS, SYSTEMES ET PROCEDES D'AUTHENTIFICATION DE CLE PUBLIQUE/PRIVEE
- [72] LOWE, ADAM, US
- [71] ARCALUS HOLDINGS, LLC, US
- [85] 2023-06-06
- [86] 2022-01-07 (PCT/US2022/011660)
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  - [25] EN
  - [54] PIPE INSPECTION DEVICES AND SYSTEMS, AND METHODS OF USING SAME
  - [54] DISPOSITIFS ET SYSTEMES D'INSPECTION DE TUYAUX, ET PROCEDES D'UTILISATION DE CEUX-CI
  - [72] SHELAMI, KHALID RAHIL, SA
  - [71] SABIC GLOBAL TECHNOLOGIES B.V., NL
  - [85] 2023-06-06
  - [86] 2021-12-15 (PCT/IB2021/061790)
  - [87] (WO2022/144665)
  - [30] US (63/131,586) 2020-12-29
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**[21] 3,201,346**

[13] A1

- [51] Int.Cl. B29C 33/42 (2006.01) B65D 1/02 (2006.01) B65D 85/72 (2006.01)
- [25] EN
- [54] CONTAINER BASE WITH DEEP INSET RECESSES
- [54] BASE DE RECIPIENT DOTEE D'EVIDEMENTS INTERIEURS PROFONDS
- [72] STELZER, JAMES, US
- [72] PHILIP, BRADLEY S., US
- [72] LANE, MICHAEL T., US
- [71] AMCOR RIGID PACKAGING USA, LLC, US
- [85] 2023-06-06
- [86] 2020-12-10 (PCT/US2020/064269)
- [87] (WO2022/125098)

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<p>[21] 3,201,347 [13] A1</p> <p>[51] Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)</p> <p>[25] EN</p> <p>[54] A DUAL CARRIAGE ACCESS STATION FOR AN AUTOMATED STORAGE AND RETRIEVAL SYSTEM AND A METHOD FOR USING SAME</p> <p>[54] POSTE D'ACCES A DOUBLE CHARIOT POUR SYSTEME DE STOCKAGE ET DE RECUPERATION AUTOMATISE ET PROCEDE D'UTILISATION D?UN TEL POSTE D?ACCES</p> <p>[72] AUSTRHEIM, TROND, NO</p> <p>[71] AUTOSTORE TECHNOLOGY AS, NO</p> <p>[85] 2023-06-06</p> <p>[86] 2021-11-29 (PCT/EP2021/083282)</p> <p>[87] (WO2022/122434)</p> <p>[30] NO (20201366) 2020-12-11</p>
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<p>[21] 3,201,350 [13] A1</p> <p>[51] Int.Cl. B65D 6/18 (2006.01) B65D 6/26 (2006.01) B65D 21/02 (2006.01) B65D 21/06 (2006.01)</p> <p>[25] EN</p> <p>[54] STORAGE CONTAINER, A SYSTEM COMPRISING ONE OR MORE OF THE STORAGE CONTAINERS AND METHODS OF ASSEMBLING THE STORAGE CONTAINERS</p> <p>[54] RECIPIENT DE STOCKAGE, SYSTEME COMPRENANT UN OU PLUSIEURS DES RECIPIENTS DE STOCKAGE ET PROCEDES D'ASSEMBLAGE DES RECIPIENTS DE STOCKAGE</p> <p>[72] AUSTRHEIM, TROND, NO</p> <p>[72] FJELDHEIM, IVAR, NO</p> <p>[72] AARSETH, SIMEN, NO</p> <p>[72] HATTELAND, MAGNE, NO</p> <p>[71] AUTOSTORE TECHNOLOGY AS, NO</p> <p>[85] 2023-06-06</p> <p>[86] 2022-01-21 (PCT/EP2022/051327)</p> <p>[87] (WO2022/161863)</p> <p>[30] NO (20210106) 2021-01-27</p>
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<p>[21] 3,201,352 [13] A1</p> <p>[51] Int.Cl. C10B 53/07 (2006.01) C10G 1/02 (2006.01) C10G 1/10 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR RECYCLING WASTE PLASTICS</p> <p>[54] SYSTEMES ET PROCEDES POUR LE RECYCLAGE DE DECHETS PLASTIQUES</p> <p>[72] CRAWFORD, SEAN, US</p> <p>[72] CAVINAW, BARRY, US</p> <p>[71] AGILYX CORPORATION, US</p> <p>[85] 2023-06-06</p> <p>[86] 2021-12-07 (PCT/US2021/062208)</p> <p>[87] (WO2022/125549)</p> <p>[30] US (63/123,965) 2020-12-10</p>
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<p>[21] 3,201,354 [13] A1</p> <p>[51] Int.Cl. G06F 21/57 (2013.01) G06F 21/56 (2013.01)</p> <p>[25] EN</p> <p>[54] SOFTWARE BUILD SYSTEM PROTECTION ENGINE</p> <p>[54] MOTEUR DE PROTECTION DE SYSTEME DE CONSTRUCTION DE LOGICIEL</p> <p>[72] GUPTA, SATYA V., US</p> <p>[71] VIRSEC SYSTEMS, INC., US</p> <p>[85] 2023-06-06</p> <p>[86] 2021-12-16 (PCT/US2021/072967)</p> <p>[87] (WO2022/133474)</p> <p>[30] US (63/126,515) 2020-12-16</p>
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<p>[21] 3,201,355 [13] A1</p> <p>[51] Int.Cl. G06F 21/56 (2013.01) G06F 21/54 (2013.01)</p> <p>[25] EN</p> <p>[54] RUNTIME MEMORY PROTECTION (RMP) ENGINE</p> <p>[54] MOTEUR DE PROTECTION DE MEMOIRE D'EXECUTION (RMP)</p> <p>[72] GUPTA, SATYA V., US</p> <p>[71] VIRSEC SYSTEMS, INC., US</p> <p>[85] 2023-06-06</p> <p>[86] 2021-12-17 (PCT/US2021/073021)</p> <p>[87] (WO2022/133499)</p> <p>[30] US (63/127,084) 2020-12-17</p>
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<p>[21] 3,201,356 [13] A1</p> <p>[51] Int.Cl. A01N 43/90 (2006.01) A01P 13/02 (2006.01) C07D 273/00 (2006.01) C07D 487/04 (2006.01)</p> <p>[25] EN</p> <p>[54] A PROCESS FOR THE PREPARATION OF PYRAZOLE-OXADIAZEPINE</p> <p>[54] PROCEDE DE PREPARATION DE PYRAZOLE-OXADIAZEPINE</p> <p>[72] MATHUR, SUCHET SARAN, IN</p> <p>[72] DAMANIA, PRAGNESH DALPATRAM, IN</p> <p>[72] A, KALIRAJAN, IN</p> <p>[72] KHAMKAR, RAHUL HARISHCHANDRA, IN</p> <p>[72] PAWAR, MAHESH VISHWAS, IN</p> <p>[72] DESHMUKH, PRASHANT ARUN, IN</p> <p>[71] GHARDA CHEMICALS LIMITED, IN</p> <p>[85] 2023-06-06</p> <p>[86] 2021-12-11 (PCT/IB2021/061604)</p> <p>[87] (WO2022/123541)</p> <p>[30] IN (202021054055) 2020-12-11</p>
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<p>[21] 3,201,358 [13] A1</p> <p>[51] Int.Cl. E04F 13/073 (2006.01) E04F 19/02 (2006.01) E04F 19/04 (2006.01) E04F 19/06 (2006.01)</p> <p>[25] EN</p> <p>[54] INSIDE CORNER PROFILE FOR DRYWALL INSTALLATION</p> <p>[54] PROFIL DE COIN INTERNE POUR INSTALLATION DE CLOISON SECHE</p> <p>[72] HOLFELDER, KLAUS, DE</p> <p>[71] KNAUF GIPS KG, DE</p> <p>[85] 2023-06-06</p> <p>[86] 2020-12-18 (PCT/EP2020/000214)</p> <p>[87] (WO2022/128042)</p>
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**[21] 3,201,359**  
[13] A1

[51] Int.Cl. H04L 67/56 (2022.01) H04L 9/30 (2006.01)  
[25] EN  
[54] METHOD AND SYSTEM FOR PERFORMING IDENTITY CHECKS IN A DISTRIBUTED SYSTEM  
[54] PROCEDE ET SYSTEME PERMETTANT D'EFFECTUER DES VERIFICATIONS D'IDENTITE DANS UN SYSTEME DISTRIBUE  
[72] MUKHERJEE, BISWAROOP, CA  
[72] WURSTER, GLENN DANIEL, CA  
[71] BLACKBERRY LIMITED, CA  
[85] 2023-06-06  
[86] 2022-03-11 (PCT/CA2022/050362)  
[87] (WO2022/187967)  
[30] US (17/198,828) 2021-03-11

**[21] 3,201,361**  
[13] A1

[51] Int.Cl. A01H 4/00 (2006.01) C12N 15/82 (2006.01)  
[25] EN  
[54] PROMOTING REGENERATION AND TRANSFORMATION IN PLANTS  
[54] PROMOTION DE REGENERATION ET DE TRANSFORMATION CHEZ DES PLANTES  
[72] KONG, JIXIANG, BE  
[72] MARTIN-ORTIGOSA, SUSANA, DE  
[72] PACHECO VILLALOBOS, DAVID, DE  
[72] KASTNER, CHRISTINE, DE  
[72] LUDEWIG, FRANK, DE  
[72] HORSTMAN, ANNEKE, NL  
[72] BOUTILIER, KIMBERLY ANNE, NL  
[71] KWS SAAT SE & CO. KGAA, DE  
[71] STICHTING WAGENINGEN RESEARCH, NL  
[85] 2023-06-06  
[86] 2021-12-22 (PCT/EP2021/087315)  
[87] (WO2022/136557)  
[30] EP (20216530.4) 2020-12-22

**[21] 3,201,363**  
[13] A1

[51] Int.Cl. G08B 13/08 (2006.01) E06B 5/11 (2006.01)  
[25] EN  
[54] DOOR MONITORING SYSTEM AND METHOD  
[54] SYSTEME ET PROCEDE DE CONTROLE DE PORTE  
[72] CUI, XIN, US  
[72] CARROLL, RYAN, US  
[72] BURWELL, BRUCE, US  
[72] WU, ZHIZHUO, US  
[71] CORNELLCOOKSON, LLC, US  
[85] 2023-06-06  
[86] 2021-12-06 (PCT/US2021/061985)  
[87] (WO2022/125428)  
[30] US (17/114,603) 2020-12-08

**[21] 3,201,365**  
[13] A1

[51] Int.Cl. B61L 5/10 (2006.01) B61L 27/02 (2006.01)  
[25] EN  
[54] INDEPENDENT RAIL TEST RELEASE MECHANISM  
[54] MECANISME DE LIBERATION DE TEST DE RAIL INDEPENDANT  
[72] IMHOF, ANDREW, US  
[72] BENTON, SHELDON ADAM, US  
[72] SWYGERT, BARRETT, US  
[72] BYRNE, DAVID F., US  
[72] CHISHOLM, WILLIAM A., US  
[72] MCQUISTIAN, KEVIN, US  
[71] HITACHI RAIL STS USA, INC., US  
[85] 2023-06-06  
[86] 2021-12-09 (PCT/US2021/072827)  
[87] (WO2022/126121)  
[30] US (63/122,991) 2020-12-09

**[21] 3,201,374**  
[13] A1

[51] Int.Cl. C08G 18/76 (2006.01) C08G 18/18 (2006.01) C08G 18/22 (2006.01) C08G 18/42 (2006.01) C08G 18/48 (2006.01) C08J 9/14 (2006.01) C08K 5/521 (2006.01) C08K 5/5419 (2006.01) C08L 83/10 (2006.01)  
[25] EN  
[54] PRODUCTION OF POLYURETHANE FOAM  
[54] PRODUCTION DE MOUSSE DE POLYURETHANE  
[72] SUCHAN, MICHAEL, DE  
[72] FERENZ, MICHAEL, DE  
[72] SCHILLER, CARSTEN, DE  
[71] EVONIK OPERATIONS GMBH, DE  
[85] 2023-06-06  
[86] 2021-11-22 (PCT/EP2021/082463)  
[87] (WO2022/122360)  
[30] EP (20212361.8) 2020-12-08

**[21] 3,201,375**  
[13] A1

[51] Int.Cl. H04W 4/029 (2018.01) G06Q 10/08 (2023.01) H04W 4/021 (2018.01) H04W 4/33 (2018.01) H04W 4/35 (2018.01)  
[25] EN  
[54] LOCATION SENSING TECHNOLOGY FOR DETECTING ASSET LOCATION  
[54] TECHNOLOGIE DE DETECTION D'EMPLACEMENT POUR DETECTER UN EMPLACEMENT D'ACTIF  
[72] FREEMAN, MALLORY, US  
[72] MAJOR, TIMOTHY, US  
[72] BRITTON, MATTHEW, US  
[72] SKORB, LAUREN, US  
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US  
[85] 2023-06-06  
[86] 2021-12-29 (PCT/US2021/065480)  
[87] (WO2022/147097)  
[30] US (17/137,608) 2020-12-30

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[21] 3,201,376  
[13] A1

[51] Int.Cl. B66C 1/38 (2006.01) B64D 1/12 (2006.01) B64D 1/22 (2006.01)  
[25] EN  
[54] AUTOMATIC RELEASE CLAMP  
[54] PINCE A LIBERATION AUTOMATIQUE  
[72] GIL, JULIO, NL  
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US  
[85] 2023-06-06  
[86] 2021-12-28 (PCT/US2021/065393)  
[87] (WO2022/147043)  
[30] US (17/136,405) 2020-12-29

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[21] 3,201,377  
[13] A1

[51] Int.Cl. A61M 5/20 (2006.01) A61M 5/24 (2006.01) A61M 5/32 (2006.01)  
[25] EN  
[54] FLUID DELIVERY SYSTEM WITH NEEDLE ASSEMBLY  
[54] SYSTEME DE DISTRIBUTION DE FLUIDE AVEC ENSEMBLE AIGUILLE  
[72] GUNAY, MURAT, US  
[72] JUDSON, JARED ALDEN, US  
[72] PERKINS, RUSSELL WAYNE, US  
[72] SCHAFF, ANTHONY LAWRENCE, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2023-06-06  
[86] 2021-12-14 (PCT/US2021/063178)  
[87] (WO2022/132675)  
[30] US (63/126,552) 2020-12-17

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[21] 3,201,384  
[13] A1

[51] Int.Cl. A61M 25/09 (2006.01)  
[25] EN  
[54] DEVICE, METHOD AND SYSTEM FOR RESHAPING A HEART VALVE ANNULUS  
[54] DISPOSITIF, SYSTEME ET PROCEDE DE REMODELAGE D'ANNEAU VALVULAIRE CARDIAQUE  
[72] RAHDERT, DAVID A., US  
[72] CHILDS, RICHARD T., US  
[72] THOLFSEN, DAVID R., US  
[72] WU, PATRICK P., US  
[71] MVRX, INC., US  
[85] 2023-06-06  
[86] 2021-12-07 (PCT/US2021/062173)  
[87] (WO2022/125527)  
[30] US (63/122,415) 2020-12-07

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[21] 3,201,387  
[13] A1

[51] Int.Cl. B29C 65/00 (2006.01) B65B 3/00 (2006.01) B65B 3/04 (2006.01) B65B 3/12 (2006.01) B65B 39/00 (2006.01) B65B 51/14 (2006.01) B65B 55/12 (2006.01) B65B 57/04 (2006.01) B65B 61/06 (2006.01) B65B 65/00 (2006.01) G01N 1/14 (2006.01)  
[25] EN  
[54] METHOD AND SYSTEM FOR PRODUCING STERILE SOLUTION FILLED CONTAINERS  
[54] PROCEDE ET SYSTEME DE PRODUCTION DE RECIPIENTS STERILES REMPLIS D'UNE SOLUTION  
[72] MALHOTRA, ATUL, US  
[72] DI STEFANI, GIANNI, BE  
[71] BAXTER INTERNATIONAL INC., US  
[71] BAXTER HEALTHCARE S.A., CH  
[85] 2023-06-06  
[86] 2021-12-21 (PCT/US2021/064487)  
[87] (WO2022/146758)  
[30] US (63/130,979) 2020-12-28

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[21] 3,201,388  
[13] A1

[51] Int.Cl. H04R 25/00 (2006.01)  
[25] EN  
[54] AUDITORY DEVICE CABLE ARRANGEMENT  
[54] AGENCEMENT DE CABLE DE DISPOSITIF AUDITIF  
[72] GUNDLACH, JOHN D., US  
[72] BASSEAS, STAVROS P., US  
[71] HELEN OF TROY LIMITED, BB  
[71] NANTSOUND INC., US  
[85] 2023-06-06  
[86] 2022-01-25 (PCT/US2022/013679)  
[87] (WO2022/169635)  
[30] US (17/166,022) 2021-02-03

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[21] 3,201,390  
[13] A1

[51] Int.Cl. A61B 17/00 (2006.01) A61B 17/04 (2006.01) A61F 2/00 (2006.01) A61F 2/24 (2006.01)  
[25] EN  
[54] DEVICE, METHOD AND SYSTEM FOR RESHAPING A HEART VALVE ANNULUS  
[54] DISPOSITIFS, METHODES ET SYSTEMES DE REMODELAGE D'ANNEAU DE VALVE CARDIAQUE  
[72] CHILDS, RICHARD T., US  
[72] RAHDERT, DAVID A., US  
[72] THOLFSEN, DAVID R., US  
[72] WU, PATRICK P., US  
[71] MVRX, INC., US  
[85] 2023-06-06  
[86] 2021-12-07 (PCT/US2021/062182)  
[87] (WO2022/125535)

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[21] 3,201,392  
[13] A1

[51] Int.Cl. C12N 9/22 (2006.01) C12N 15/63 (2006.01) C12N 15/864 (2006.01) C12N 15/90 (2006.01)  
[25] EN  
[54] AAV VECTORS FOR GENE EDITING  
[54] VECTEURS AAV POUR L'EDITION DE GENES  
[72] BANEY, KATHERINE, US  
[72] SIDORE, ANGUS, US  
[72] FORTUNY, CECILE, US  
[72] ADIL, MAROOF, US  
[72] WRIGHT, ADDISON, US  
[72] STAABL, BRETT T., US  
[72] HIGGINS, SEAN, US  
[72] OAKES, BENJAMIN, US  
[72] MAKHIJA, SURAJ, US  
[72] DENNY, SARAH, US  
[72] MOHR, MANUEL, US  
[71] SCRIBE THERAPEUTICS INC., US  
[85] 2023-06-06  
[86] 2021-12-09 (PCT/US2021/062714)  
[87] (WO2022/125843)  
[30] US (63/123,112) 2020-12-09  
[30] US (63/235,638) 2021-08-20

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<p style="text-align: right;"><b>[21] 3,201,395</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65B 3/00 (2006.01) B65B 7/28 (2006.01) B65B 43/50 (2006.01)</p> <p>[25] FR</p> <p>[54] METHOD FOR ASSEMBLING AND FILLING CONTAINERS FOR A NEEDLELESS INJECTION DEVICE</p> <p>[54] PROCEDE D'ASSEMBLAGE ET DE REMPLISSAGE DE CONTENEURS POUR DISPOSITIF D'INJECTION SANS AIGUILLE</p> <p>[72] L'HERYENAT, DOEVAL, BE</p> <p>[72] KELDENICH, JEROME, BE</p> <p>[72] BEKKALI, ABDELAZIZ, BE</p> <p>[72] CHIBOUB, HAMDI, BE</p> <p>[71] CENEXI - LABORATOIRES THISSEN, BE</p> <p>[71] PHIXEN SAS, FR</p> <p>[85] 2023-06-06</p> <p>[86] 2021-12-13 (PCT/EP2021/085429)</p> <p>[87] (WO2022/128884)</p> <p>[30] BE (BE2020/5920) 2020-12-14</p> <p>[30] FR (FR2013192) 2020-12-14</p>
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<p style="text-align: right;"><b>[21] 3,201,398</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 1/015 (2006.01) A61J 1/12 (2006.01) A61J 1/22 (2006.01) A61M 3/02 (2006.01)</p> <p>[25] FR</p> <p>[54] ENDOSCOPIC SURGERY IRRIGATION DEVICE ALLOWING A CONTINUOUS FEED</p> <p>[54] DISPOSITIF D'IRRIGATION DE LA CHIRURGIE ENDOSCOPIQUE PERMETTANT UNE ALIMENTATION CONTINUE</p> <p>[72] CHIKHI, ABDERRAZIK, DZ</p> <p>[71] CHIKHI, ABDERRAZIK, DZ</p> <p>[85] 2023-06-06</p> <p>[86] 2021-11-28 (PCT/DZ2021/050004)</p> <p>[87] (WO2022/122107)</p> <p>[30] DZ (DZ/P/2020/000635) 2020-12-07</p>
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<p style="text-align: right;"><b>[21] 3,201,542</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B05B 7/14 (2006.01)</p> <p>[25] EN</p> <p>[54] POWDER SPRAYING SYSTEM, POWDER SPRAYING NOZZLE AND METHOD</p> <p>[54] SYSTEME DE PULVERISATION DE POUDRE, BUSE DE PULVERISATION DE POUDRE ET PROCEDE</p> <p>[72] BURMESTER, SABINA, GB</p> <p>[72] HOTCHKISS, THOMAS, GB</p> <p>[72] MARVELL, DAVID, GB</p> <p>[72] THOMSON, CRAIG, GB</p> <p>[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB</p> <p>[85] 2023-06-07</p> <p>[86] 2022-02-09 (PCT/GB2022/050340)</p> <p>[87] (WO2022/171998)</p> <p>[30] US (63/200,076) 2021-02-12</p>
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**[21] 3,201,543**

[13] A1

<p>[51] Int.Cl. C11B 1/00 (2006.01) C11B 1/10 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS, DEVICES, AND METHODS FOR SYMPHASIC CLOSED-CYCLE HEAT EXCHANGE</p> <p>[54] SYSTEMES, DISPOSITIFS ET PROCEDES POUR ECHANGE DE CHALEUR EN CYCLE FERME SYMPHASIQUE</p> <p>[72] CALLAGHAN, CLANCY, US</p> <p>[71] SCIENTIFIC 710, LLC, US</p> <p>[85] 2023-06-07</p> <p>[86] 2021-12-10 (PCT/US2021/062956)</p> <p>[87] (WO2022/125991)</p> <p>[30] US (63/124,051) 2020-12-10</p>
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<p style="text-align: right;"><b>[21] 3,201,546</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07D 487/04 (2006.01) A61P 15/04 (2006.01) A61P 19/10 (2006.01) A61P 25/18 (2006.01) A61P 25/24 (2006.01) A61P 25/30 (2006.01) C07D 487/14 (2006.01) C07D 491/048 (2006.01)</p> <p>[25] EN</p> <p>[54] OXYTOCIN RECEPTOR MODULATORS</p> <p>[54] MODULATEURS DU RECEPTEUR DE L'OXYTOCINE</p> <p>[72] KASSIOU, MICHAEL, AU</p> <p>[72] KATTE, TIMOTHY, AU</p> <p>[72] AFZALI, KIYAN, AU</p> <p>[72] REEKIE, TRISTAN, AU</p> <p>[72] WERRY, ERYN, AU</p> <p>[71] KINOXIS THERAPEUTICS PTY LTD, AU</p> <p>[85] 2023-06-07</p> <p>[86] 2021-12-14 (PCT/AU2021/051487)</p> <p>[87] (WO2022/126179)</p> <p>[30] AU (2020904677) 2020-12-14</p>
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<p style="text-align: right;"><b>[21] 3,201,550</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F15B 15/28 (2006.01) F15B 15/14 (2006.01)</p> <p>[25] EN</p> <p>[54] MOLDED IN MAGNETIC SENSOR AND SYSTEMS, ASSEMBLIES, COMPONENTS, AND METHODS THEREOF</p> <p>[54] CAPTEUR MAGNETIQUE MOULE ET SYSTEMES, ENSEMBLES, ELEMENTS ET PROCEDES ASSOCIES</p> <p>[72] PONNUSAMY, ANANDA S., US</p> <p>[72] GOSLOVICH, KURT S., US</p> <p>[72] NUTAKKI, SATISH B., US</p> <p>[71] CATERPILLAR INC., US</p> <p>[85] 2023-06-07</p> <p>[86] 2021-12-08 (PCT/US2021/062315)</p> <p>[87] (WO2022/132517)</p> <p>[30] US (17/122,687) 2020-12-15</p>
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**[21] 3,201,551**  
[13] A1

- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 31/4412 (2006.01) A61K 31/496 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) A61P 11/00 (2006.01) A61P 43/00 (2006.01)
  - [25] EN
  - [54] METHOD AND COMPOSITION FOR TREATING PULMONARY FIBROSIS
  - [54] PROCEDE ET COMPOSITION POUR LE TRAITEMENT DE LA FIBROSE PULMONAIRE
  - [72] FREEMAN, JOHN J., US
  - [72] CASTAGNA, MICHAEL, US
  - [71] MANNKIND CORPORATION, US
  - [85] 2023-06-07
  - [86] 2021-12-07 (PCT/US2021/072786)
  - [87] (WO2022/126105)
  - [30] US (63/122,289) 2020-12-07
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- [51] Int.Cl. F03H 1/00 (2006.01) F03G 7/00 (2006.01)
- [25] EN
- [54] APPARATUS FOR IONIZING AND ACCELERATING A FLUID
- [54] APPAREIL PERMETTANT D'IONISER ET D'ACCELERER UN FLUIDE
- [72] RANDELL, SARANTIS LOGOTHETIS, CA
- [71] RANDELL, SARANTIS LOGOTHETIS, CA
- [85] 2023-06-12
- [86] 2021-12-13 (PCT/CA2021/051788)
- [87] (WO2022/120499)
- [30] CA (3,102,563) 2020-12-13

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- [51] Int.Cl. C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/42 (2006.01) C22C 38/44 (2006.01) C22C 38/46 (2006.01) C22C 38/52 (2006.01)
  - [25] FR
  - [54] AUSTENITIC STAINLESS STEEL, PLATES FOR HEAT EXCHANGERS, AND CHIMNEY DUCTS MADE WITH THIS STEEL
  - [54] ACIER INOXYDABLE AUSTENITIQUE, PLAQUES POUR ECHANGEURS DE CHALEURS, ET CONDUITS DE CHEMINEE, REALISES AVEC CET ACIER
  - [72] ALLION, AUDREY, FR
  - [72] DELACROIX, JESSICA, FR
  - [72] PETIT, BERTRAND, FR
  - [71] APERAM, LU
  - [85] 2023-06-12
  - [86] 2021-12-13 (PCT/IB2021/061647)
  - [87] (WO2022/130176)
  - [30] IB (PCT/IB2020/062043) 2020-12-16
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- [51] Int.Cl. C12Q 1/6876 (2018.01)
- [25] EN
- [54] METHODS FOR CLASSIFYING A SAMPLE INTO CLINICALLY RELEVANT CATEGORIES
- [54] PROCEDES DE CLASSIFICATION D'UN ECHANTILLON EN CATEGORIES CLINIQUEMENT PERTINENTES
- [72] KOUMBARIS, GEORGE, CY
- [72] ACHILLEOS, ACILLEAS, CY
- [72] ELIADES, ALEXIA, CY
- [72] LOIZIDES, CHARALAMBOS, CY
- [72] TSANGARAS, KYRIAKOS, CY
- [72] IOANNIDES, MARIOS, CY
- [72] PATSALIS, PHILIPPOS, CY
- [72] KYPRI, ELENA, CY
- [71] MEDICOVER BIOTECH LTD, CY
- [85] 2023-06-12
- [86] 2021-12-16 (PCT/EP2021/086255)
- [87] (WO2022/129370)
- [30] EP (20215773.1) 2020-12-18

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[13] A1

- [51] Int.Cl. G06Q 40/04 (2012.01) G06Q 30/06 (2023.01) G06Q 40/06 (2012.01)
  - [25] EN
  - [54] METHODS AND SYSTEMS FOR MAXIMIZING SHARE PURCHASE UNDER AN EMPLOYEE STOCK PURCHASE PLAN WITH LIMITED PAYROLL DEDUCTIONS
  - [54] PROCEDES ET SYSTEMES D'OPTIMISATION DE L'ACHAT D'ACTIONS DANS LE CADRE D'UN PLAN D'ACHAT EN BOURSE DESTINE AUX EMPLOYES AYANT DES DEDUCTIONS SALARIALES LIMITEES
  - [72] SHAPIRO, AARON J., US
  - [71] CARVER EDISON, INC., US
  - [85] 2023-06-12
  - [86] 2021-12-09 (PCT/US2021/062618)
  - [87] (WO2022/132562)
  - [30] US (17/121,079) 2020-12-14
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- [25] EN
- [54] CANNABIDIOL FOR AUGMENTING VACCINE MEDIATED IMMUNITY AND PROPHYLAXIS OF COVID-19
- [54] CANNABIDIOL DESTINE A AUGMENTER L'IMMUNITE MEDIEE PAR UN VACCIN ET LA PROPHYLAXIE DE LA COVID-19
- [72] MERCHANT, SHREEMA, CA
- [71] AKSEERA PHARMA CORP., CA
- [71] PATEL, MANIT, CA
- [71] MERCHANT, SHREEMA, CA
- [85] 2023-06-12
- [86] 2022-02-14 (PCT/IB2022/051304)
- [87] (WO2022/123550)
- [30] IN (202021054151) 2020-12-12

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  - [25] EN
  - [54] SEALING FLUID FOR SEALING CAPSULES
  - [54] FLUIDE D'ETANCHEITE POUR SCELLER DES CAPSULES
  - [72] LAURICHESSE, STEPHANIE, FR
  - [72] PALANGETIC, LJILJANA, FR
  - [71] CAPSUGEL BELGIUM NV, BE
  - [85] 2023-06-12
  - [86] 2021-12-13 (PCT/EP2021/085468)
  - [87] (WO2022/128905)
  - [30] EP (20213865.7) 2020-12-14
  - [30] EP (20214456.4) 2020-12-16
  - [30] EP (21150730.6) 2021-01-08
  - [30] EP (21191714.1) 2021-08-17
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[13] A1

- [51] Int.Cl. H01B 13/00 (2006.01) H01B 1/20 (2006.01) H01B 1/24 (2006.01)
- [25] EN
- [54] METHOD FOR MANUFACTURING AN ELECTRICALLY CONDUCTIVE COMPOSITE
- [54] PROCEDE DE FABRICATION DE COMPOSITE ELECTRIQUEMENT CONDUCTEUR
- [72] KUESTER, SCHEYLA, CA
- [72] DEMARQUETTE, NICOLE, CA
- [71] SOCOWAR, SOCIETE EN COMMANDITE, CA
- [85] 2023-06-12
- [86] 2021-12-17 (PCT/CA2021/051839)
- [87] (WO2022/126281)
- [30] US (63/199,294) 2020-12-18

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- [51] Int.Cl. C02F 3/30 (2006.01) C02F 3/00 (2006.01)
  - [25] EN
  - [54] AEROBIC BIOLOGICAL WASTEWATER TREATMENT IN A CONTINUOUS FLOW REACTOR
  - [54] TRAITEMENT BIOLOGIQUE AEROBIE DES EAUX USEES DANS UN REACTEUR A FLUX CONTINU
  - [72] VAN DIJK, EDWARD JOHN HENRIK, NL
  - [72] PRONK, MARIO, NL
  - [72] HAAKSMAN, VIKTOR ALBERT, NL
  - [71] HASKONINGDHV NEDERLAND B.V., NL
  - [85] 2023-06-12
  - [86] 2021-12-10 (PCT/NL2021/050758)
  - [87] (WO2022/124901)
  - [30] NL (2027088) 2020-12-10
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- [51] Int.Cl. A61K 35/00 (2006.01) A61K 35/12 (2015.01) A61K 35/14 (2015.01)
- [25] EN
- [54] FUcosyltransferase specific inhibition using fucose mimetics
- [54] INHIBITION SPECIFIQUE DE LA FUcosyltransferase A L'AIDE DE MIMETIQUES DU FUcose
- [72] SACKSTEIN, ROBERT, US
- [72] RICHICHI, BARBARA, IT
- [72] MARTIN, KYLE, US
- [71] THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES, US
- [71] UNIVERSITY OF FLORENCE, IT
- [85] 2023-06-12
- [86] 2021-12-28 (PCT/US2021/065302)
- [87] (WO2022/146978)
- [30] US (17/136,839) 2020-12-29

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  - [25] EN
  - [54] TREATMENT OF PERITONEAL, PLEURAL, AND PERICARDIUM ADHESIONS
  - [54] TRAITEMENT D'ADHERENCES PERITONEALES, PLEURALES ET DU PERICARDE
  - [72] ZINDEL, JOEL, CH
  - [72] KUBES, PAUL, CA
  - [71] MEDHESION INC., CA
  - [85] 2023-06-12
  - [86] 2021-12-14 (PCT/CA2021/051805)
  - [87] (WO2022/126259)
  - [30] US (63/125,020) 2020-12-14
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- [51] Int.Cl. A61K 31/7042 (2006.01) A61K 31/7052 (2006.01) A61K 31/7076 (2006.01) A61P 31/12 (2006.01) A61P 31/18 (2006.01) C07H 19/16 (2006.01)
  - [25] EN
  - [54] ADENOSINE DERIVATIVE AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME
  - [54] DERIVE D'ADENOSINE ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT
  - [72] XU, LIANHONG, US
  - [71] BRII BIOSCIENCES, INC., US
  - [85] 2023-06-12
  - [86] 2022-01-25 (PCT/US2022/013660)
  - [87] (WO2022/159872)
  - [30] US (63/141,450) 2021-01-25
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- [51] Int.Cl. A61M 16/00 (2006.01)
- [25] EN
- [54] GASTROJEJUNAL TUBE APPARATUS AND METHODS OF USE
- [54] APPAREIL DE TUBE GASTROJEJUNAL ET PROCEDES D'UTILISATION
- [72] LAROCHE, THOMAS PATRICK, US
- [72] RAMKARANSINGH, JEFFREY RAJESH, US
- [71] INMED, INC., US
- [85] 2023-06-12
- [86] 2022-01-21 (PCT/US2022/013325)
- [87] (WO2022/159714)
- [30] US (63/140,060) 2021-01-21

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<b>[21] 3,202,052</b> [13] A1
[51] Int.Cl. G06Q 10/08 (2023.01) G06Q 10/06 (2023.01) G06Q 30/02 (2023.01) G06Q 30/06 (2023.01)
[25] EN
[54] SYSTEMS AND METHODS FOR INVENTORY CONTROL AND OPTIMIZATION
[54] SYSTEMES ET PROCEDES DE MAITRISE ET D'OPTIMISATION D'INVENTAIRE
[72] MORRIS, LOUIS RICK, US
[71] THRIVE TECHNOLOGIES, INC., US
[85] 2023-06-12
[86] 2021-12-15 (PCT/US2021/063583)
[87] (WO2022/132951)
[30] US (63/125,756) 2020-12-15

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<b>[21] 3,202,055</b> [13] A1
[51] Int.Cl. C12N 11/08 (2020.01) A61K 35/741 (2015.01) A23L 33/135 (2016.01)
[25] EN
[54] NON-STOP PRODUCTION PROCESS FOR IMPROVING FREEZE-DRYING SURVIVAL, HEAT TOLERANCE, SHELF STABILITY AND DIGESTIVE STABILITY OF PROBIOTICS USING SPONTANEOUS MATRIX-ENCAPSULATION TECHNIQUE
[54] PROCEDE DE PRODUCTION SANS ARRET DE PROBIOTIQUES ENCAPSULES PRESENTANT UNE VIABILITE DE LYOPHILISATION, UNE TOLERANCE A LA CHALEUR, UNE CONSERVATION A TEMPERATURE AMBIANTE ET UNE STABILITE IN VIVO AMELIOREES DES BACTERIES D'ACIDE LACTIQUE AU MOYEN D'UNE TECHNIQUE POUR LA FORMATION SPONTANEE D'UNE PELLICULE PROTECTRICE DE CAPSULE MATRICIELLE
[72] KIM, YOUNG-HOO, KR
[72] KIM, HYEONG-EUN, KR
[72] HAN, CHI-YOUNG, KR
[72] SEO, HAN SOL, KR
[72] KIM, TAE-YOON, KR
[72] LEE, SUNGHEE, KR
[71] ILDONG PHARMACEUTICAL CO., LTD., KR
[85] 2023-06-12
[86] 2021-12-17 (PCT/KR2021/019274)
[87] (WO2022/131847)
[30] KR (10-2020-0178578) 2020-12-18

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<b>[21] 3,202,056</b> [13] A1
[51] Int.Cl. B31B 70/86 (2017.01) B65D 33/00 (2006.01)
[25] EN
[54] FILM BAG PROVIDED WITH SUSPENSION OPENINGS, AND METHOD FOR PRODUCING SAID FILM BAG
[54] SACHET EN FILM POURVU D'OUVERTURES DE SUSPENSION, ET PROCEDE DE PRODUCTION DUDIT SAC EN FILM
[72] NIEUWENHUIS, GERRIT JAN, NL
[71] NIVERPLAST HOLDING B.V., NL
[85] 2023-06-12
[86] 2021-12-09 (PCT/NL2021/050751)
[87] (WO2022/131906)
[30] NL (2027113) 2020-12-15

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[51] Int.Cl. C07D 239/94 (2006.01) A61K 31/5377 (2006.01) C07D 403/04 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01)
[25] EN
[54] NOVEL QUINAZOLINE DERIVATIVE COMPOUND AS SOS1 INHIBITOR, AND USE THEREOF
[54] NOUVEAU COMPOSE DERIVE DE QUINAZOLINE EN TANT QU'INHIBITEUR DE SOS1, ET SON UTILISATION
[72] CHOI, JAE YUL, KR
[72] KIM, WON JEOUNG, KR
[72] KIM, JI SOOK, KR
[72] KIM, MIN JEONG, KR
[72] PARK, WON GI, KR
[72] AHN, YOUNG GIL, KR
[72] BAE, IN HWAN, KR
[71] HANMI PHARMACEUTICAL CO., LTD., KR
[85] 2023-06-12
[86] 2021-12-14 (PCT/KR2021/019011)
[87] (WO2022/139304)
[30] KR (10-2020-0180879) 2020-12-22
[30] KR (10-2021-0123208) 2021-09-15

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[51] Int.Cl. C07D 451/02 (2006.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01)
[25] EN
[54] PHARMACEUTICAL COMPOUNDS
[54] COMPOSES PHARMACEUTIQUES
[72] FIELDHOUSE, CHARLOTTE, GB
[72] CONGREVE, MILES STUART, GB
[71] HEPTARES THERAPEUTICS LIMITED, GB
[85] 2023-06-12
[86] 2021-12-20 (PCT/GB2021/053372)
[87] (WO2022/129951)
[30] GB (2020191.9) 2020-12-18

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  - [25] EN
  - [54] A JMJD6 TARGETING AGENT FOR TREATING PROSTATE CANCER
  - [54] AGENT DE CIBLAGE JMJD6 POUR TRAITER LE CANCER DE LA PROSTATE
  - [72] ISLAM, MD. SAIFUL, GB
  - [72] TUMBER, ANTHONY, GB
  - [72] SCHOFIELD, CHRISTOPHER, GB
  - [72] PASCHALIS, ALEC, GB
  - [72] WELTI, JONATHAN, GB
  - [72] SHARP, ADAM, GB
  - [72] DE BONO, JOHANN, GB
  - [72] PLYMATE, STEPHEN, US
  - [71] CANCER RESEARCH TECHNOLOGY LIMITED, GB
  - [71] THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD, GB
  - [71] THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL, GB
  - [71] UNIVERSITY OF WASHINGTON, US
  - [71] THE UNITED STATES GOVERNMENT REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
  - [85] 2023-06-12
  - [86] 2021-12-17 (PCT/GB2021/053349)
  - [87] (WO2022/129935)
  - [30] US (63/126,812) 2020-12-17
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- [51] Int.Cl. B60D 1/155 (2006.01) B60D 1/36 (2006.01) B60D 1/44 (2006.01)
- [25] EN
- [54] AN ADJUSTABLE DRAWBAR
- [54] BARRE DE REMORQUAGE REGLABLE
- [72] OWERS, RAYMOND, NZ
- [71] SYSTEMATICS LIMITED, NZ
- [85] 2023-06-12
- [86] 2021-12-17 (PCT/NZ2021/050226)
- [87] (WO2022/131937)
- [30] NZ (771332) 2020-12-18

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- [51] Int.Cl. A61K 31/216 (2006.01) A61K 31/222 (2006.01) A61P 9/12 (2006.01)
  - [25] EN
  - [54] METHODS OF TREATING DISEASE WITH TREPROSTINIL PRODRUGS
  - [54] METHODES DE TRAITEMENT D'UNE MALADIE A L'AIDE DE PROMEDICAMENTS TREPROSTINIL
  - [72] PHARES, KENNETH ROBERT, US
  - [72] BATRA, HITESH, US
  - [72] GUO, LIANG, US
  - [71] UNITED THERAPEUTICS CORPORATION, US
  - [85] 2023-06-13
  - [86] 2021-12-13 (PCT/US2021/063133)
  - [87] (WO2022/132655)
  - [30] US (63/125,145) 2020-12-14
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[13] A1

- [51] Int.Cl. G06Q 10/06 (2023.01) G06Q 10/08 (2023.01) G06Q 10/10 (2023.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR TRACING AND GUARANTEEING THE QUALITY OF RAW MATERIALS
- [54] SYSTEME ET PROCEDE DE TRACAGE ET DE GARANTIE DE LA QUALITE DE MATIERES PREMIERES
- [72] BELDRIGHI, GRAZIANO, IT
- [72] MOLINARI, MATTEO, IT
- [71] THEMIS S.R.L., IT
- [85] 2023-06-13
- [86] 2022-01-04 (PCT/EP2022/050095)
- [87] (WO2022/148755)
- [30] IT (102021000000149) 2021-01-05

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[13] A1

- [51] Int.Cl. C10L 1/14 (2006.01) C09K 8/524 (2006.01) C10G 75/04 (2006.01) C10L 1/196 (2006.01) C10L 1/197 (2006.01) C10L 1/238 (2006.01) C10L 10/04 (2006.01) C10L 10/16 (2006.01) C10L 1/16 (2006.01)
  - [25] FR
  - [54] COMPOSITION OF ADDITIVES COMPRISING A COPOLYMER AND A RESIN
  - [54] COMPOSITION D'ADDITIFS COMPRENANT UN COPOLYMER ET UNE RESINE
  - [72] TORT, FREDERIC, FR
  - [72] FRITSCH, THOMAS, FR
  - [71] TOTALENERGIES ONE TECH, FR
  - [85] 2023-06-13
  - [86] 2021-12-22 (PCT/FR2021/052426)
  - [87] (WO2022/136801)
  - [30] FR (FR2013911) 2020-12-22
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[13] A1

- [51] Int.Cl. H01M 10/0525 (2010.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01)
- [25] EN
- [54] LITHIUM-RICH COMPOSITIONS
- [54] COMPOSITIONS RICHES EN LITHIUM
- [72] SAUNDERS, JAY T. II, US
- [72] STRAUBEL, JEFFREY B., US
- [71] REDWOOD MATERIALS, INC., US
- [85] 2023-06-13
- [86] 2021-12-20 (PCT/US2021/064429)
- [87] (WO2022/140294)
- [30] US (63/128,762) 2020-12-21

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- [51] Int.Cl. A01H 1/00 (2006.01) A01H 6/46 (2018.01) A01H 5/00 (2018.01) C12N 15/82 (2006.01)
- [25] EN
- [54] METHODS FOR IDENTIFYING AND SELECTING MAIZE PLANTS WITH CYTOPLASMATIC MALE STERILITY RESTORER GENE
- [54] PROCEDES D'IDENTIFICATION ET DE SELECTION DE PLANTE DE MAIS PRESENTANT UNE RESISTANCE AU GENE RESTAURATEUR DE STERILITE MALE
- [72] KLOIBER-MAITZ, MONIKA, DE
- [72] KNAAK, CARSTEN, DE
- [72] DALL'OCCHIO, HERVE, FR
- [72] CASTELLE, JEAN-CLAUDE, FR
- [71] KWS SAAT SE & CO. KGAA, DE
- [85] 2023-06-13
- [86] 2021-12-22 (PCT/EP2021/087187)
- [87] (WO2022/136491)
- [30] EP (20216347.3) 2020-12-22

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[13] A1

- [51] Int.Cl. G06Q 10/08 (2023.01) G06Q 20/12 (2012.01) G07F 17/12 (2006.01)
- [25] EN
- [54] SYSTEM FOR THE AUTOMATED DISTRIBUTION OF GOODS
- [54] SYSTEME DE DISTRIBUTION AUTOMATISEE DE MARCHANDISES
- [72] CARLONI, VITTORIO, IT
- [71] CARLONI, VITTORIO, IT
- [85] 2023-06-13
- [86] 2021-12-13 (PCT/IT2021/050404)
- [87] (WO2022/130431)
- [30] IT (102020000030725) 2020-12-14

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[13] A1

- [51] Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01)
- [25] EN
- [54] ANTIBODY COMPOSITION
- [54] COMPOSITION D'ANTICORPS
- [72] BAKKER, ALEXANDER BERTHOLD HENDRIK, NL
- [72] HENDRIKS, LINDA JOHANNA ALEIDA, NL
- [72] DOORNBOS, ROBERT PAUL, NL
- [72] ARVINTÉ, TUDOR, CH
- [72] DARPIN, GUILLAUME DESIRE, CH
- [72] POIRIER, EMILIE BRIGITTE, CH
- [71] MERUS N.V., NL
- [85] 2023-06-13
- [86] 2021-12-16 (PCT/NL2021/050772)
- [87] (WO2022/131918)
- [30] NL (2027167) 2020-12-18

**[21] 3,202,124**  
[13] A1

- [51] Int.Cl. E02D 5/64 (2006.01)
- [25] EN
- [54] MILLING HEAD FOR MACHINING PILE HEADS
- [54] TETE DE FRAISAGE POUR L'USINAGE DE TETES DE PIEU
- [72] PORTMANN, ALOIS, CH
- [71] BRC ENGINEERING AG, CH
- [85] 2023-06-13
- [86] 2022-01-13 (PCT/EP2022/050637)
- [87] (WO2022/161782)
- [30] EP (21154111.5) 2021-01-28

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- [51] Int.Cl. C07D 491/048 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61K 31/4725 (2006.01) A61K 31/496 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 9/12 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 11/08 (2006.01) C07D 519/00 (2006.01)
- [25] EN
- [54] DIHYDROFUROPYRIDINE DERIVATIVES AS RHO- KINASE INHIBITORS
- [54] DERIVES DE DIHYDROFUROPYRIDINE UTILISES COMME INHIBITEURS DE LA RHO KINASE
- [72] RANCATI, FABIO, IT
- [72] ACCETTA, ALESSANDRO, IT
- [72] CAPELLI, ANNA MARIA, IT
- [72] PALA, DANIELE, IT
- [72] EDWARDS, CHRISTINE, IT
- [72] PASQUA, ADELE ELISA, IT
- [72] KAPADNIS, PRASHANT BHIMRAO, IT
- [72] CHEGUILLAUME, ARNAUD JEAN FRAN?OIS AUGUSTE, IT
- [71] CHIESI FARMACEUTICI S.P.A., IT
- [85] 2023-06-13
- [86] 2021-12-13 (PCT/EP2021/085378)
- [87] (WO2022/128851)
- [30] EP (20214148.7) 2020-12-15

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<p style="text-align: right;">[21] 3,202,133 [13] A1</p> <p>[51] Int.Cl. A61K 9/19 (2006.01) G01N 21/78 (2006.01) A61K 39/39 (2006.01) A61P 37/04 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR QUANTIFYING CPG-CONTAINING OLIGONUCLEOTIDES IN FORMULATIONS COMPRISING ALUM</p> <p>[54] PROCEDE DE QUANTIFICATION D'OLIGONUCLEOTIDES CONTENANT UNE CPG DANS DES FORMULATIONS COMPRENNANT DE L'ALUN</p> <p>[72] GOHLKE, MARTIN, US</p> <p>[71] DYNAVAX TECHNOLOGIES CORPORATION, US</p> <p>[85] 2023-06-13</p> <p>[86] 2021-12-14 (PCT/US2021/072922)</p> <p>[87] (WO2022/133447)</p> <p>[30] US (63/126,403) 2020-12-16</p>	<p style="text-align: right;">[21] 3,202,138 [13] A1</p> <p>[51] Int.Cl. G06Q 10/04 (2023.01) G06Q 10/06 (2023.01) G06Q 50/30 (2012.01)</p> <p>[25] EN</p> <p>[54] NETWORK SYSTEM FOR CONTROLLING COMMUNICATIONS BASED ON USER CONTEXT</p> <p>[54] SYSTEME DE RESEAU PERMETTANT DE COMMANDER DES COMMUNICATIONS SUR LA BASE D'UN CONTEXTE D'UTILISATEUR</p> <p>[72] VASUDEVAN, SUDHARSHAN, US</p> <p>[72] HOFMAN, THOMAS, US</p> <p>[72] HUNTER, ROBIN, US</p> <p>[72] KAPALLI, YASHASHVI, US</p> <p>[72] CHIANG, KYLE, US</p> <p>[71] UBER TECHNOLOGIES, INC., US</p> <p>[85] 2023-06-13</p> <p>[86] 2021-12-15 (PCT/US2021/063590)</p> <p>[87] (WO2022/132956)</p> <p>[30] US (63/126,367) 2020-12-16</p> <p>[30] US (17/550,225) 2021-12-14</p>	<p style="text-align: right;">[21] 3,202,142 [13] A1</p> <p>[51] Int.Cl. B01D 53/04 (2006.01) B01D 53/48 (2006.01) B01D 53/72 (2006.01) C07C 7/12 (2006.01)</p> <p>[25] EN</p> <p>[54] HYDROCARBON RECOVERY UNITS WITH SEPARATORS CONFIGURED TO REDUCE LIQUID HYDROCARBON EXPOSURE TO REGENERATION GAS STREAMS</p> <p>[54] UNITES DE RECUPERATION D'HYDROCARBURES AVEC SEPARATEURS CONFIGUREES POUR REDUIRE L'EXPOSITION D'HYDROCARBURES LIQUIDES A DES FLUX DE GAZ DE REGENERATION</p> <p>[72] DOLAN, WILLIAM B., US</p> <p>[72] ECKARDT, TOBIAS, DE</p> <p>[72] PAN, JUSTIN, US</p> <p>[72] MEHTA, MANISH, AE</p> <p>[71] BASF CORPORATION, US</p> <p>[85] 2023-06-13</p> <p>[86] 2021-12-12 (PCT/US2021/062993)</p> <p>[87] (WO2022/140088)</p> <p>[30] US (63/128,688) 2020-12-21</p> <p>[30] US (63/189,294) 2021-05-17</p>

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[25] EN  
[54] CAP LIFTER  
[54] DECAPSULEUR  
[72] BOSCH, LAURA, CA  
[72] BOSCH, ARRON, CA  
[71] DAZL INCEPTION INC., CA  
[85] 2023-06-13  
[86] 2021-12-14 (PCT/CA2021/051808)  
[87] (WO2022/126262)  
[30] US (63/125,037) 2020-12-14

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[13] A1

[51] Int.Cl. E02F 3/407 (2006.01) B07B 1/15 (2006.01)  
[25] EN  
[54] SCREENING BUCKET  
[54] GODET DE CRIBLAGE  
[72] RISI, MIRCO, IT  
[71] SIMEX ENGINEERING S.R.L., IT  
[85] 2023-06-13  
[86] 2021-12-16 (PCT/IB2021/061814)  
[87] (WO2022/130262)  
[30] IT (102020000031091) 2020-12-16

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[13] A1

[51] Int.Cl. A61K 33/30 (2006.01) A61K 38/05 (2006.01) A61P 11/00 (2006.01) A61P 43/00 (2006.01)  
[25] EN  
[54] METHOD FOR TREATING FIBROSIS  
[54] METHODE DE TRAITEMENT DE LA FIBROSE  
[72] JUNG, HOE YUNE, KR  
[72] JEON, JONG SU, KR  
[72] LEE, DO HYUN, KR  
[72] LEE, HEON JONG, KR  
[71] NOVOMETAPHARMA CO., LTD., KR  
[85] 2023-06-13  
[86] 2021-12-16 (PCT/IB2021/061882)  
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[21] 3,202,146  
[13] A1

[51] Int.Cl. C07D 491/048 (2006.01) A61P 11/06 (2006.01)  
[25] EN  
[54] DIHYDROFUROPYRIDINE DERIVATIVES AS RHO- KINASE INHIBITORS  
[54] DERIVES DE DIHYDROFUROPYRIDINE EN TANT QU'INHIBITEURS DE LA RHO-KINASE  
[72] RANCATI, FABIO, IT  
[72] ACCETTA, ALESSANDRO, IT  
[72] CAPELLI, ANNA MARIA, IT  
[72] PALA, DANIELE, IT  
[72] EDWARDS, CHRISTINE, IT  
[72] PASQUA, ADELE ELISA, IT  
[72] KAPADNIS, PRASHANT BHIMRAO, IT  
[72] CHEGUILLAUME, ARNAUD JEAN FRAN?OIS AUGUSTE, IT  
[72] CLARK, DAVID EDWARD, IT  
[71] CHIESI FARMACEUTICI S.P.A., IT  
[85] 2023-06-13  
[86] 2021-12-13 (PCT/EP2021/085367)  
[87] (WO2022/128843)  
[30] EP (20214144.6) 2020-12-15

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[13] A1

[51] Int.Cl. F16L 53/38 (2018.01) H01B 7/282 (2006.01) H05B 3/56 (2006.01)  
[25] EN  
[54] INTERNALLY HEATED HOSE WIRE IMPREGNATION  
[54] IMPREGNATION DE FIL DE TUYAU CHAUFFE INTERIEUREMENT  
[72] TIX, JOSEPH E., US  
[72] SCHNEIDER, STEPHEN P., US  
[71] GRACO MINNESOTA INC., US  
[85] 2023-06-13  
[86] 2021-12-29 (PCT/US2021/065518)  
[87] (WO2022/147128)  
[30] US (63/132,147) 2020-12-30

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[21] 3,202,148  
[13] A1

[51] Int.Cl. G06T 17/00 (2006.01)  
[25] EN  
[54] SYSTEMS AND METHODS FOR RAPIDLY DEVELOPING ANNOTATED COMPUTER MODELS OF STRUCTURES  
[54] SYSTEMES ET PROCEDES POUR LE DEVELOPPEMENT RAPIDE DE MODELES INFORMATIQUES ANNOTES DE STRUCTURES  
[72] HARRIS, DAVE, US  
[72] RICHARDSON, RON, US  
[72] REED, COREY D., US  
[72] LEWIS, JEFFERY D., US  
[72] TAYLOR, JEFFREY C., US  
[71] INSURANCE SERVICES OFFICE, INC., US  
[85] 2023-06-13  
[86] 2021-12-15 (PCT/US2021/063469)  
[87] (WO2022/132873)  
[30] US (17/122,080) 2020-12-15

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[21] 3,202,149  
[13] A1

[51] Int.Cl. C07D 491/048 (2006.01) A61P 11/06 (2006.01)  
[25] EN  
[54] DIHYDROFUROPYRIDINE DERIVATIVES AS RHO- KINASE INHIBITORS  
[54] DERIVES DE DIHYDROFUROPYRIDINE EN TANT QU'INHIBITEURS DE LA RHO-KINASE  
[72] RANCATI, FABIO, IT  
[72] ACCETTA, ALESSANDRO, IT  
[72] CAPELLI, ANNA MARIA, IT  
[72] PALA, DANIELE, IT  
[72] EDWARDS, CHRISTINE, IT  
[72] PASQUA, ADELE ELISA, IT  
[72] KAPADNIS, PRASHANT BHIMRAO, IT  
[72] CHEGUILLAUME, ARNAUD JEAN FRAN?OIS AUGUSTE, IT  
[72] CLARK, DAVID EDWARD, IT  
[71] CHIESI FARMACEUTICI S.P.A., IT  
[85] 2023-06-13  
[86] 2021-12-13 (PCT/EP2021/085375)  
[87] (WO2022/128848)  
[30] EP (20214144.6) 2020-12-15

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[13] A1

[51] Int.Cl. A01K 61/95 (2017.01)  
[25] EN  
[54] AUTOMATIC SCANNING SYSTEM FOR FISH  
[54] SYSTEME DE BALAYAGE AUTOMATIQUE POUR POISSONS  
[72] GULLIKSTAD, ROGER, NO  
[72] WAHL, TERJE, NO  
[71] GREENFOX MARINE AS, NO  
[85] 2023-06-13  
[86] 2021-12-17 (PCT/NO2021/050271)  
[87] (WO2022/131929)  
[30] NO (20201404) 2020-12-18

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[13] A1

[51] Int.Cl. C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 513/04 (2006.01) C07F 5/02 (2006.01)  
[25] EN  
[54] FUSED PYRIMIDINE COMPOUNDS AS INHIBITORS OF MENIN-MLL INTERACTION  
[54] COMPOSES DE PYRIMIDINE FUSIONNEE UTILISES COMME INHIBITEURS DE L'INTERACTION MENINE-MLL  
[72] BUTLER, THOMAS, US  
[72] PALMER, JAMES T., US  
[72] KIRSCHBERG, THORSTEN, US  
[72] LIN, NAN-HORNG, US  
[72] HUI, HON, US  
[72] UPASANI, RAVINDRA, US  
[72] UNGASHE, SOLOMON B., US  
[72] SPERANDIO, DAVID, US  
[71] BIOMEA FUSION, INC., US  
[85] 2023-06-13  
[86] 2021-12-16 (PCT/US2021/063761)  
[87] (WO2022/133064)  
[30] US (63/126,505) 2020-12-16

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**[21] 3,202,152**  
[13] A1

[51] Int.Cl. C01G 53/00 (2006.01) H01M 4/525 (2010.01)  
[25] EN  
[54] A POSITIVE ELECTRODE ACTIVE MATERIAL FOR RECHARGEABLE LITHIUM-ION BATTERIES  
[54] MATERIAU ACTIF D'ELECTRODE POSITIVE POUR BATTERIES RECHARGEABLES AU LITHIUM-ION  
[72] KIM, JIHYE, KR  
[72] PAULSEN, JENS MARTIN, KR  
[71] UMICORE, BE  
[85] 2023-06-13  
[86] 2021-12-14 (PCT/EP2021/085742)  
[87] (WO2022/129083)  
[30] EP (20214299.8) 2020-12-15

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[13] A1

[51] Int.Cl. A61K 35/12 (2015.01) C12N 5/0775 (2010.01) A61K 35/28 (2015.01) A61P 9/00 (2006.01) G01N 33/68 (2006.01)  
[25] EN  
[54] METHOD OF TREATING PROGRESSIVE HEART FAILURE IN SUBJECTS WITH CLASS II HEART FAILURE  
[54] METHODE DE TRAITEMENT D'UNE INSUFFISANCE CARDIAQUE D'EVOLUTION PROGRESSIVE CHEZ DES SUJETS ATTEINTS D'INSUFFISANCE CARDIAQUE DE CLASSE II  
[72] ITESCU, SILVIU, AU  
[72] BOROW, KENNETH, US  
[72] HAYES, JACK, US  
[71] MESOBLAST INTERNATIONAL SARL, CH  
[85] 2023-06-13  
[86] 2021-12-15 (PCT/US2021/063645)  
[87] (WO2022/132986)  
[30] AU (2020904675) 2020-12-15  
[30] AU (2021900059) 2021-01-12  
[30] AU (2021902941) 2021-09-10  
[30] AU (2021903365) 2021-10-20  
[30] US (63/289,868) 2021-12-15

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**[21] 3,202,154**  
[13] A1

[51] Int.Cl. A23F 5/14 (2006.01) A23F 5/02 (2006.01)  
[25] EN  
[54] A CAMELLIA SINENSIS AND VITIS BASED COMPOSITION AND A PROCESS OF PREPARATION THEREOF  
[54] COMPOSITION A BASE DE CAMELLIA SINENSIS ET DE VITIS ET SON PROCEDE DE PREPARATION  
[72] WIDYARATNE, HASANTHA SANJEEWA, US  
[72] UBEYRATNE, HIMANSI SHAMILKA, US  
[71] WALTERS BAY HOLDINGS, LLC, US  
[85] 2023-06-13  
[86] 2021-12-14 (PCT/US2021/063230)  
[87] (WO2022/132708)  
[30] US (63/125,016) 2020-12-14

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[13] A1

[51] Int.Cl. A61C 17/06 (2006.01) A61C 17/08 (2006.01) A61C 17/10 (2006.01) A61C 17/14 (2006.01)  
[25] EN  
[54] DENTAL MOUTHPIECES  
[54] EMBOUTS BUCCAUX DENTAIRES  
[72] KERR, AMY, US  
[72] ONTIVEROS, ADAM, US  
[72] HALLECK, BRIAN, US  
[72] SWARTZ, JACOB, US  
[72] HIRSCH, JAMES, US  
[72] VALENTINE, SHAUN, US  
[72] HIRSCH, THOMAS, US  
[71] ZYRIS, INC., US  
[85] 2023-06-13  
[86] 2021-10-19 (PCT/US2021/055627)  
[87] (WO2022/132302)  
[30] US (63/125,182) 2020-12-14  
[30] US (17/383,258) 2021-07-22

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[25] EN  
[54] DOOR GAP LOCK  
[54] VERROU D'ECARTEMENT DE PORTE  
[72] FUCHS, WERNER, AT  
[72] WINDHAGER, JOHANNES, AT  
[72] HEGGEMANN, ROLAND (DECEASED), XX  
[71] SIEMENS MOBILITY AUSTRIA GMBH, AT  
[85] 2023-06-13  
[86] 2021-12-16 (PCT/EP2021/086313)  
[87] (WO2022/129414)  
[30] AT (A51114/2020) 2020-12-18

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[21] 3,202,157  
[13] A1

[51] Int.Cl. A61K 38/26 (2006.01) A61P 1/00 (2006.01)  
[25] EN  
[54] USE OF GLP-2 ANALOGUES IN PATIENTS WITH RENAL INSUFFICIENCY  
[54] UTILISATION D'ANALOGUES DU GLP-2 CHEZ DES PATIENTS PRESENTANT UNE INSUFFISANCE RENALE  
[72] SONNE, KIM, DK  
[72] AGERSNAP, MIKKEL ASKJÆR, DK  
[72] KNUDSEN, KIM MARK, DK  
[71] ZEALAND PHARMA A/S, DK  
[85] 2023-06-13  
[86] 2021-12-15 (PCT/EP2021/085846)  
[87] (WO2022/129142)  
[30] EP (20214763.3) 2020-12-16  
[30] EP (21166078.2) 2021-03-30

[21] 3,202,158  
[13] A1

[51] Int.Cl. F24F 11/30 (2018.01) F24F 11/61 (2018.01) F24F 11/62 (2018.01)  
[25] EN  
[54] SYSTEMS AND METHODS FOR CONTROLLING A HEATING AND AIR-CONDITIONING (HVAC) SYSTEM  
[54] SYSTEMES ET PROCEDES DE COMMANDE D'UN SYSTEME DE CHAUFFAGE ET DE CLIMATISATION (CVC)  
[72] NOTARO, DOUGLAS, US  
[72] DOGRA, ADWAY, US  
[72] DE, TATHAGATA, US  
[71] GOODMAN MANUFACTURING COMPANY LP, US  
[85] 2023-06-13  
[86] 2021-12-30 (PCT/US2021/065712)  
[87] (WO2022/147273)  
[30] US (17/139,322) 2020-12-31

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[21] 3,202,159  
[13] A1

[51] Int.Cl. A61M 25/06 (2006.01) A61M 25/09 (2006.01)  
[25] EN  
[54] WIRE AND CATHETER PLACEMENT DEVICE  
[54] FIL ET DISPOSITIF DE MISE EN PLACE DE CATHETER  
[72] MURPHY, KYLE, US  
[71] AVA SURGICAL TECHNOLOGIES, LLC, US  
[85] 2023-06-13  
[86] 2021-12-15 (PCT/US2021/063546)  
[87] (WO2022/132920)  
[30] US (63/125,913) 2020-12-15  
[30] US (63/215,493) 2021-06-27  
[30] US (17/550,483) 2021-12-14

[21] 3,202,160  
[13] A1

[51] Int.Cl. B61D 17/04 (2006.01)  
[25] EN  
[54] PROCESS FOR THE MODULAR MANUFACTURING OF ROUGH BODYWORK OF A RAIL VEHICLE, AND ROUGH BODYWORK  
[54] PROCEDE DE FABRICATION MODULAIRE DE CARROSSERIE BRUTE D'UN VEHICULE FERROVIAIRE ET CARROSSERIE BRUTE  
[72] BISSELS, STEPHAN, DE  
[72] CUYLEN, JENS, DE  
[72] GUNTHER, RENE, DE  
[72] OSTERLOH, BODO, DE  
[72] TRAPP, ALEXANDER, DE  
[71] SIEMENS MOBILITY GMBH, DE  
[85] 2023-06-13  
[86] 2021-12-03 (PCT/EP2021/084147)  
[87] (WO2022/135880)  
[30] DE (10 2020 216 382.0) 2020-12-21

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[13] A1

[51] Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/00 (2006.01) A61K 31/4545 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01)  
[25] EN  
[54] LIQUID APIXABAN FORMULATION IN SMALL DOSE VOLUME  
[54] FORMULATION LIQUIDE D'APIXABAN DANS UN FAIBLE VOLUME DE DOSE  
[72] VIDALIS, MATTHAIOS, MT  
[71] DAFECHEM LTD, CY  
[85] 2023-06-13  
[86] 2021-12-13 (PCT/EP2021/085411)  
[87] (WO2022/123074)  
[30] EP (EP20213637) 2020-12-13

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[51] Int.Cl. E04G 11/48 (2006.01) E04G  
11/50 (2006.01)

[25] EN

[54] SUPPORTING HEAD FOR  
PROVIDING FORMWORK UNITS  
FOR FLOOR SLABS, AND BEAM  
AND PANEL FOR USE WITH THE  
SUPPORTING HEAD

[54] TETE DE SUPPORT  
PERMETTANT DE FOURNIR DES  
UNITES DE COFFRAGE POUR  
DES DALLES DE PLANCHER ET  
POUTRE ET PANNEAU DESTINES  
A ETRE UTILISES AVEC LA TETE  
DE SUPPORT

[72] DALLA FONTANA, GIACOMO, IT

[71] FARESIN FORMWORK S.P.A., IT

[85] 2023-06-13

[86] 2021-12-16 (PCT/EP2021/086288)

[87] (WO2022/129395)

[30] IT (102020000031187) 2020-12-17

[30] IT (102021000029789) 2021-11-25

[21] 3,202,163

[13] A1

[51] Int.Cl. B01J 3/02 (2006.01) B65G  
53/48 (2006.01) C10B 53/00 (2006.01)

[25] EN

[54] CHAR COLLECTOR

[54] COLLECTEUR DE PRODUIT DE  
CARBONISATION

[72] NILSEN, PAL JAHRE, NO

[72] LANGOY, PER, NO

[72] OELSCHLAGEL, JOACHIM, NO

[72] SOLHEIM, ODD EGIL, NO

[72] GASBAK, SVEIN, NO

[71] SCanship AS, NO

[85] 2023-06-13

[86] 2021-11-29 (PCT/EP2021/083334)

[87] (WO2022/135838)

[30] NO (20201414) 2020-12-21

[21] 3,202,164

[13] A1

[51] Int.Cl. H01S 3/00 (2006.01) H01S  
3/067 (2006.01)

[25] FR

[54] DURATION-TUNABLE HIGH-  
POWER PICOSECOND PULSED  
OPTICAL FIBRE LASER SYSTEM  
AND USE OF SUCH LASER  
SYSTEM

[54] SYSTEME LASER A FIBRE  
OPTIQUE A IMPULSION  
PICOSECONDE DE FORTE  
ENERGIE ACCORDABLE EN  
DUREE ET UTILISATION D'UN  
TEL SYSTEME LASER

[72] DESLANDES, PIERRE, FR

[72] SALIN, FRANCOIS, FR

[72] DELOISON, FLORENT, FR

[71] ILASIS LASER, FR

[85] 2023-06-13

[86] 2021-12-20 (PCT/EP2021/086833)

[87] (WO2022/136290)

[30] FR (FR2014061) 2020-12-23

[21] 3,202,168

[13] A1

[51] Int.Cl. G07C 9/00 (2020.01) G07C  
9/28 (2020.01) H04W 12/63 (2021.01)

[25] EN

[54] TRAJECTORY AND INTENT  
PREDICTION

[54] PREDICTION DE TRAJECTOIRE  
ET D'INTENTION

[72] SACHDEVA, KAPIL, US

[72] PREVOST, SYLVAIN JACQUES, US

[72] CHEN, JIANBO, US

[71] ASSA ABLOY AB, SE

[85] 2023-06-13

[86] 2021-12-07 (PCT/EP2021/084586)

[87] (WO2022/128623)

[30] US (63/125,044) 2020-12-14

[21] 3,202,169

[13] A1

[51] Int.Cl. C07F 5/02 (2006.01) C07F 7/08  
(2006.01) C07F 7/18 (2006.01)

[25] EN

[54] TRIARYL BORANE CATALYSTS  
AND METHOD FOR SELECTIVE  
HYDROSILYLATION OF ESTERS  
AND LACTONES USING SAID  
CATALYSTS

[54] CATALYSEURS AU  
TRIARYLBORANE ET PROCEDE  
D?HYDROSILYLATION  
SELECTIVE D?ESTERS ET DE  
LACTONES A L?AIDE DESDITS  
CATALYSEURS

[72] SOOS, TIBOR, HU

[72] GYOMORE, ADAM, HU

[72] DUDAS, ADAM, HU

[72] FEKYVERNEKI, DANIEL, HU

[72] GYONGYOSI, MATE, HU

[72] SOREGI, PETRA, HU

[72] KOLOZSVARI, NATALIA, HU

[71] ALDEXCHEM KFT., HU

[85] 2023-06-13

[86] 2021-12-16 (PCT/HU2021/050073)

[87] (WO2022/129966)

[30] HU (P2000437) 2020-12-18

[21] 3,202,165

[13] A1

[51] Int.Cl. A61K 31/4545 (2006.01) A61P  
1/00 (2006.01) A61P 9/00 (2006.01)  
A61P 13/00 (2006.01) A61P 25/00  
(2006.01) A61P 25/04 (2006.01) A61P  
25/28 (2006.01) A61P 27/02 (2006.01)  
A61P 37/08 (2006.01) C07D 417/14  
(2006.01) C07D 471/04 (2006.01)  
C07D 487/04 (2006.01) C07D 498/04  
(2006.01)

[25] EN

[54] HETEROCYCLIC DERIVATIVES  
AS P2X7 RECEPTOR  
ANTAGONISTS

[54] DERIVES HETEROCYCLIQUESEN  
TANT QU'ANTAGONISTES DU  
RECEPTEUR P2X7

[72] PEVARELLO, PAOLO, IT

[72] SODANO, MARIANGELA, IT

[72] CUSANO, VALENTINA, IT

[72] PISCITELLI, FRANCESCO, IT

[72] TORINO, DOMENICA, IT

[72] VITALONE, ROCCO, IT

[72] YOUSIF, ALI MUNAIM, IT

[72] ARTAMONOV, OLEKSII, PL

[71] BREYE THERAPEUTICS APS, DK

[85] 2023-06-13

[86] 2021-12-16 (PCT/EP2021/086250)

[87] (WO2022/129365)

[30] EP (20215585.9) 2020-12-18

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<p>[21] <b>3,202,171</b>  [13] A1</p> <p>[51] Int.Cl. G16H 20/40 (2018.01) G16H 40/63 (2018.01) G16H 50/50 (2018.01) G16H 50/70 (2018.01)</p> <p>[25] EN</p> <p>[54] <b>METHOD AND SYSTEM FOR REAL TIME MONITORING OF COSMETIC LASER AESTHETIC SKIN TREATMENT PROCEDURES</b></p> <p>[54] <b>PROCEDE ET SYSTEME POUR LA SURVEILLANCE EN TEMPS REEL DES PROCEDURES COSMETIQUES DE TRAITEMENT ESTHETIQUE DE LA PEAU PAR LASER</b></p> <p>[72] GANDMAN, ANDREY, IL  [71] LUMENIS BE LTD, IL  [85] 2023-06-13  [86] 2021-12-30 (PCT/IB2021/062481)  [87] (WO2022/144831)  [30] US (63/132,554) 2020-12-31</p>
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<p>[21] <b>3,202,172</b>  [13] A1</p> <p>[51] Int.Cl. H01M 50/583 (2021.01) H01M 50/107 (2021.01) H01M 50/167 (2021.01) H01M 50/533 (2021.01) H01M 50/538 (2021.01) H01M 50/586 (2021.01) H01M 50/593 (2021.01)</p> <p>[25] EN</p> <p>[54] <b>FIXING STRUCTURE OF ELECTRODE TERMINAL, AND BATTERY, BATTERY PACK AND VEHICLE INCLUDING THE SAME</b></p> <p>[54] <b>STRUCTURE DE FIXATION DE BORNE D'ELECTRODE AINSI QUE BATTERIE, BLOC-BATTERIE ET VEHICULE LA COMPRENANT</b></p> <p>[72] MIN, GEON-WOO, KR  [72] JO, MIN-KI, KR  [72] KIM, DO-GYUN, KR  [72] KIM, JAE-WOONG, KR  [72] HWANGBO, KWANG-SU, KR  [72] PARK, JONG-SIK, KR  [72] LIM, JAE-WON, KR  [72] CHOE, YU-SUNG, KR  [72] KIM, HAK-KYUN, KR  [72] LEE, JE-JUN, KR  [72] LEE, BYOUNG-GU, KR  [72] RYU, DUK-HYUN, KR  [72] LEE, KWAN-HEE, KR  [72] LEE, JAE-EUN, KR  [72] LIM, HAE-JIN, KR  [72] CHOI, SU-JI, KR  [72] KANG, BO-HYUN, KR  [72] JUNG, JI-MIN, KR  [72] KONG, JIN-HAK, KR  [72] LEE, SOON-O, KR  [72] CHOI, KYU-HYUN, KR  [72] PARK, PIL-KYU, KR</p>
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<p>[71] LG ENERGY SOLUTION, LTD., KR  [85] 2023-06-13  [86] 2022-01-19 (PCT/KR2022/001012)  [87] (WO2022/158864)  [30] KR (10-2021-0007278) 2021-01-19  [30] KR (10-2021-0022894) 2021-02-19  [30] KR (10-2021-0022897) 2021-02-19  [30] KR (10-2021-0022881) 2021-02-19  [30] KR (10-2021-0022891) 2021-02-19  [30] KR (10-2021-0024424) 2021-02-23  [30] KR (10-2021-0030291) 2021-03-08  [30] KR (10-2021-0030300) 2021-03-08  [30] KR (10-2021-0046798) 2021-04-09  [30] KR (10-2021-0058183) 2021-05-04  [30] KR (10-2021-0077046) 2021-06-14  [30] KR (10-2021-0084326) 2021-06-28  [30] KR (10-2021-0131208) 2021-10-01  [30] KR (10-2021-0131215) 2021-10-01  [30] KR (10-2021-0131225) 2021-10-01  [30] KR (10-2021-0131205) 2021-10-01  [30] KR (10-2021-0131207) 2021-10-01  [30] KR (10-2021-0137001) 2021-10-14  [30] KR (10-2021-0137856) 2021-10-15  [30] KR (10-2021-0142196) 2021-10-22  [30] KR (10-2021-0153472) 2021-11-09  [30] KR (10-2021-0160823) 2021-11-19  [30] KR (10-2021-0163809) 2021-11-24  [30] KR (10-2021-0165866) 2021-11-26  [30] KR (10-2021-0172446) 2021-12-03  [30] KR (10-2021-0177091) 2021-12-10  [30] KR (10-2021-0194610) 2021-12-31  [30] KR (10-2021-0194611) 2021-12-31  [30] KR (10-2021-0194612) 2021-12-31  [30] KR (10-2021-0194572) 2021-12-31  [30] KR (10-2021-0194593) 2021-12-31  [30] KR (10-2022-0001802) 2022-01-05</p>	<p>[21] <b>3,202,174</b>  [13] A1</p> <p>[51] Int.Cl. A24F 40/65 (2020.01) H04B 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>AEROSOL GENERATION DEVICE COMPRISING A COMMUNICATION MODULE, AND ASSOCIATED COMMUNICATION SYSTEM AND METHOD</b></p> <p>[54] <b>DISPOSITIF DE GENERATION D'AEROSOL COMPRENANT UN MODULE DE COMMUNICATION, ET SYSTEME ET PROCEDE DE COMMUNICATION ASSOCIES</b></p> <p>[72] POPOOLA, OLAYIWOLA OLAMIPOSI, GB  [72] ADAIR, KYLE, GB  [72] LOVEDAY, PETER, GB  [71] JT INTERNATIONAL S.A., CH  [85] 2023-06-13  [86] 2021-12-14 (PCT/EP2021/085668)  [87] (WO2022/129033)  [30] EP (20213734.5) 2020-12-14</p>
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<p>[21] <b>3,202,173</b>  [13] A1</p> <p>[51] Int.Cl. G01C 21/20 (2006.01) H04W 4/33 (2018.01) H04W 12/63 (2021.01) G07C 9/00 (2020.01)</p> <p>[25] EN</p> <p>[54] <b>TRAJECTORY PREDICTION WITH DATA NORMALIZATION</b></p> <p>[54] <b>PREDICTION DE TRAJECTOIRE AVEC NORMALISATION DE DONNEES</b></p> <p>[72] CHEN, JIANBO, US  [72] SACHDEVA, KAPIL, US  [72] PREVOST, SYLVAIN JACQUES, US  [71] ASSA ABLOY AB, SE  [85] 2023-06-13  [86] 2021-12-07 (PCT/EP2021/084591)  [87] (WO2022/128627)  [30] US (63/125,041) 2020-12-14</p>
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<p>[21] <b>3,202,175</b>  [13] A1</p> <p>[51] Int.Cl. A21C 9/04 (2006.01) A23P 20/12 (2016.01) A21D 15/08 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>SYSTEM AND METHOD FOR PLACING TOPPINGS ON A PRODUCT</b></p> <p>[54] <b>SISTÈME ET PROCEDE DE PLACEMENT DE GARNITURES SUR UN PRODUIT</b></p> <p>[72] PACK, JERRY, US  [72] CLEMONS, SCOTT, US  [71] BURFORD CORP., US  [85] 2023-06-13  [86] 2021-12-10 (PCT/US2021/062881)  [87] (WO2022/140083)  [30] US (63/128,553) 2020-12-21</p>
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**[21] 3,202,176**  
[13] A1

[51] Int.Cl. A61K 38/02 (2006.01) A61K 38/03 (2006.01) A61K 39/395 (2006.01) C07K 14/47 (2006.01)  
[25] EN  
[54] TISSUE-SPECIFIC ANTIGENS FOR CANCER IMMUNOTHERAPY  
[54] ANTIGENES SPECIFIQUES DE TISSU POUR UNE IMMUNOTHERAPIE ANTICANCEREUSE  
[72] ROONEY, MICHAEL STEVEN, US  
[72] STOPFER, LAUREN ELIZABETH, US  
[71] BIONTECH US INC., US  
[85] 2023-06-13  
[86] 2021-12-10 (PCT/US2021/062941)  
[87] (WO2022/132596)  
[30] US (63/125,269) 2020-12-14

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**[21] 3,202,177**  
[13] A1

[51] Int.Cl. A61K 31/167 (2006.01) A61K 31/19 (2006.01) A61P 19/00 (2006.01)  
[25] EN  
[54] A COMPOSITION FOR USE IN THE TREATMENT OF INTERVERTEBRAL DISC HERNIATION  
[54] COMPOSITION DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT D'UNE HERNIE DISCALE  
[72] LEHMANN, ANDERS, SE  
[71] STAYBLE THERAPEUTICS AB, SE  
[85] 2023-06-13  
[86] 2021-12-17 (PCT/EP2021/086409)  
[87] (WO2022/129476)  
[30] SE (2051481-6) 2020-12-17

**[21] 3,202,178**  
[13] A1

[51] Int.Cl. G01R 19/00 (2006.01) G01S 19/42 (2010.01) G16Y 20/30 (2020.01) G01R 31/08 (2020.01) G01S 5/06 (2006.01) H02H 1/00 (2006.01)  
[25] EN  
[54] EARLY DETECTION OF DEFECTS ON SINGLE-WIRE EARTH-RETURN POWERLINES USING A LOW-VOLTAGE SENSING METHOD  
[54] DETECTION PRECOCE DE DEFAUTS SUR LIGNES ELECTRIQUES AVEC RETOUR PAR LA TERRE A FIL UNIQUE A L'AIDE D'UN PROCEDE DE DETECTION A BASSE TENSION  
[72] WONG, KHOI LOON, AU  
[72] MARXSEN, ANTHONY LINTON, AU  
[71] DX TECH PTY LTD, AU  
[85] 2023-06-13  
[86] 2021-12-11 (PCT/AU2021/051482)  
[87] (WO2022/126176)  
[30] US (63/124,937) 2020-12-14

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**[21] 3,202,179**  
[13] A1

[51] Int.Cl. A24F 40/465 (2020.01)  
[25] EN  
[54] AEROSOL GENERATING DEVICE  
[54] DISPOSITIF DE GENERATION D'AEROSOL  
[72] KORUS, ANTON, GB  
[72] WARREN, LUKE, GB  
[72] MOLONEY, PATRICK, GB  
[72] HODGSON, MATTHEW, GB  
[71] NICOVENTURES TRADING LIMITED, GB  
[85] 2023-06-13  
[86] 2021-12-22 (PCT/EP2021/087382)  
[87] (WO2022/136589)  
[30] GB (2020398.0) 2020-12-22

**[21] 3,202,180**  
[13] A1

[51] Int.Cl. A47J 31/40 (2006.01) B67D 1/00 (2006.01)  
[25] EN  
[54] CARTRIDGE RECEPTACLE, CARTRIDGE SYSTEM, BEVERAGE PREPARATION SYSTEM AND METHOD FOR PREPARING A BEVERAGE  
[54] DISPOSITIF DE RECEPTION POUR CARTOUCHE, SYSTEME DE CARTOUCHE, SYSTEME DE PREPARATION DE BOISSONS ET PROCEDE DE PREPARATION D'UNE BOISSON  
[72] KRUGER, MARC, DE  
[72] EMPL, GUNTER, DE  
[71] FREEZIO AG, CH  
[85] 2023-06-13  
[86] 2022-01-05 (PCT/EP2022/050160)  
[87] (WO2022/148785)  
[30] DE (10 2021 200 070.3) 2021-01-07

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**[21] 3,202,181**  
[13] A1

[51] Int.Cl. A24F 40/465 (2020.01)  
[25] EN  
[54] INDUCTOR COIL  
[54] BOBINE D'INDUCTEUR  
[72] KORUS, ANTON, GB  
[71] NICOVENTURES TRADING LIMITED, GB  
[85] 2023-06-13  
[86] 2021-12-22 (PCT/EP2021/087387)  
[87] (WO2022/136594)  
[30] GB (2020424.4) 2020-12-22

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**[21] 3,202,182**  
[13] A1

[51] Int.Cl. A61B 17/11 (2006.01) A61B 17/221 (2006.01) A61B 17/29 (2006.01)  
[25] EN  
[54] DEVICES AND METHODS FOR ASSISTING MAGNETIC COMPRESSION ANASTOMOSIS  
[54] DISPOSITIFS ET METHODES D'AIDE A L'ANASTOMOSE PAR COMPRESSION MAGNETIQUE  
[72] GAGNER, MICHEL, CA  
[72] KRINKE, TODD A., US  
[72] THAURE, THIERRY, US  
[71] GT METABOLIC SOLUTIONS, INC., US  
[85] 2023-06-13  
[86] 2021-11-11 (PCT/US2021/058981)  
[87] (WO2022/132351)  
[30] US (63/127,747) 2020-12-18

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**[21] 3,202,183**  
[13] A1

- [51] Int.Cl. G06Q 30/00 (2023.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR MATCHING ENTITIES
- [54] SYSTEMES ET PROCEDES DE MISE EN CORRESPONDANCE D'ENTITES
- [72] BUCHANAN, DUNCAN, NZ
- [72] ZHANG, HAN, NZ
- [72] NAGARAJAPPA, SHREYAS, NZ
- [72] MIN, RUI, NZ
- [72] LESTER, WILLIAM, NZ
- [72] MANOCHA, MEHIKA, NZ
- [71] XERO LIMITED, NZ
- [85] 2023-06-13
- [86] 2021-08-25 (PCT/NZ2021/050153)
- [87] (WO2022/131932)
- [30] AU (2020904715) 2020-12-17

**[21] 3,202,184**  
[13] A1

- [51] Int.Cl. A24F 40/465 (2020.01)
- [25] EN
- [54] AEROSOL GENERATING DEVICE
- [54] DISPOSITIF DE GENERATION D'AEROSOL
- [72] KORUS, ANTON, GB
- [72] WARREN, LUKE, GB
- [72] MOLONEY, PATRICK, GB
- [72] HODGSON, MATTHEW, GB
- [71] NICVENTURES TRADING LIMITED, GB
- [85] 2023-06-13
- [86] 2021-12-22 (PCT/EP2021/087336)
- [87] (WO2022/136567)
- [30] GB (2020393.1) 2020-12-22

**[21] 3,202,185**  
[13] A1

- [51] Int.Cl. B01D 53/22 (2006.01) B01D 63/08 (2006.01) B01D 67/00 (2006.01) B01D 69/12 (2006.01) B01D 71/02 (2006.01) C01B 3/50 (2006.01)
- [25] EN
- [54] MEMBRANE ATTACHMENT TECHNIQUE
- [54] TECHNIQUE DE FIXATION DE MEMBRANE
- [72] HJELKREM, INGE, NO
- [72] SUUL, MARTIN, NO
- [72] ROGNES, OYSTEIN, NO
- [72] GRABERG, STIG VEMUND, NO
- [72] REINERTSEN, THOMAS, NO
- [71] HYDROGEN MEM-TECH AS, NO
- [85] 2023-06-13
- [86] 2021-12-17 (PCT/EP2021/086482)
- [87] (WO2022/136166)
- [30] GB (2020512.6) 2020-12-23

**[21] 3,202,187**  
[13] A1

- [51] Int.Cl. A61P 37/00 (2006.01) C07K 19/00 (2006.01)
- [25] EN
- [54] METHOD FOR TREATING SJOGREN'S SYNDROME USING TACI-FC FUSION PROTEIN
- [54] METHODE DE TRAITEMENT DU SYNDROME DE SJOGREN A L'AIDE D'UNE PROTEINE DE FUSION TACI-FC
- [72] FANG, JIANMIN, CN
- [72] WANG, WENXIANG, CN
- [71] REMEGEN CO., LTD., CN
- [85] 2023-06-13
- [86] 2022-09-29 (PCT/CN2022/122399)
- [87] (WO2023/051660)
- [30] CN (202111156909.2) 2021-09-30

**[21] 3,202,188**  
[13] A1

- [51] Int.Cl. B05B 13/00 (2006.01) B05B 13/04 (2006.01) E01B 27/00 (2006.01)
- [25] EN
- [54] APPARATUS AND METHOD FOR APPLYING SINGLE-COMPONENT OR MULTI-COMPONENT ADHESIVE TO A BALLAST BED AND USE
- [54] DISPOSITIF ET PROCEDE POUR APPLIQUER UN ADHESIF A UN OU A PLUSIEURS COMPOSANTS SUR UN LIT DE BALLAST ET UTILISATION
- [72] HURLIMANN, ADRIAN, CH
- [71] HURLIMANN RAILTEC AG, CH
- [85] 2023-06-13
- [86] 2021-12-14 (PCT/EP2021/085621)
- [87] (WO2022/129001)
- [30] CH (01585/20) 2020-12-14

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**[21] 3,202,189**

[13] A1

- [51] Int.Cl. G05G 5/00 (2006.01) G05G 9/047 (2006.01)
  - [25] FR
  - [54] HUMAN-MACHINE INTERFACE, IN PARTICULAR FOR A VEHICLE OR FOR A DEVICE
  - [54] INTERFACE HOMME-MACHINE, NOTAMMENT POUR UN VEHICULE OU POUR UN DISPOSITIF
  - [72] ATTRAZIC, YANNICK, FR
  - [72] NAHMIYACE, MICHAEL, FR
  - [72] AUPHAN, ALBERT, FR
  - [72] BEZIVIN, PHILIPPE, FR
  - [72] ZANTE, ETIENNE, FR
  - [71] SAFRAN ELECTRONICS & DEFENSE, FR
  - [85] 2023-06-13
  - [86] 2021-12-16 (PCT/FR2021/052355)
  - [87] (WO2022/136771)
  - [30] FR (FR2013953) 2020-12-22
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**[21] 3,202,190**

[13] A1

- [51] Int.Cl. B01J 23/20 (2006.01) B01J 23/22 (2006.01) B01J 23/28 (2006.01) B01J 23/32 (2006.01) C07C 5/48 (2006.01) C07C 11/04 (2006.01)
  - [25] EN
  - [54] MIXED METAL OXIDE CATALYST CONTAINING TANTALUM FOR ODH OF ETHANE
  - [54] CATALYSEUR D'OXYDE METALLIQUE MIXTE CONTENANT DU TANTALE POUR ODH D'ETHANE
  - [72] SULLIVAN, DAVID JEFFREY, CA
  - [72] SIMANZHENKOV, VASILY, CA
  - [72] KIM, YOONHEE, CA
  - [72] BARNES, MARIE, CA
  - [72] OLAYIWOLA, BOLAJI, CA
  - [71] NOVA CHEMICALS (INTERNATIONAL) S.A., CH
  - [85] 2023-06-13
  - [86] 2022-02-03 (PCT/IB2022/050945)
  - [87] (WO2022/167967)
  - [30] US (63/145,943) 2021-02-04
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**[21] 3,202,193**

[13] A1

- [51] Int.Cl. H01M 8/04119 (2016.01)
  - [25] EN
  - [54] FUEL CELL MEMBRANE HUMIDIFIER
  - [54] HUMIDIFICATEUR A MEMBRANE DE PILE A COMBUSTIBLE
  - [72] KIM, DO WOO, KR
  - [72] KIM, KYOUNG JU, KR
  - [72] AHN, NA HYUN, KR
  - [72] KIM, IN HO, KR
  - [72] OH, YOUNG SEOK, KR
  - [72] LEE, AH REUM, KR
  - [72] LEE, JI YOON, KR
  - [71] KOLON INDUSTRIES, INC., KR
  - [85] 2023-06-13
  - [86] 2022-01-26 (PCT/KR2022/095017)
  - [87] (WO2022/169351)
  - [30] KR (10-2021-0017071) 2021-02-05
  - [30] KR (10-2021-0031930) 2021-03-11
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**[21] 3,202,194**

[13] A1

- [51] Int.Cl. G01L 1/24 (2006.01)
  - [25] EN
  - [54] WALL SHEAR STRESS SENSOR
  - [54] CAPTEUR DE CONTRAINTE DE CISAILLEMENT A LA PAROI
  - [72] WHALLEY, RICHARD DAVID, GB
  - [72] EBRAHIMZADE, NIMA, GB
  - [71] UNIVERSITY OF NEWCASTLE UPON TYNE, GB
  - [85] 2023-06-13
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  - [87] (WO2022/153028)
  - [30] GB (2100564.0) 2021-01-15
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[13] A1

- [51] Int.Cl. B60P 1/28 (2006.01)
  - [25] EN
  - [54] A DUMP BOX ARRANGEMENT FOR A VEHICLE, A DUMP BOX, AND A MINING VEHICLE
  - [54] AGENCEMENT DE BENNE DE DECHARGEMENT POUR UN VEHICULE, BENNE DE DECHARGEMENT ET VEHICULE POUR EXPLOITATION MINIERE
  - [72] VUOKILA, MARKO, FI
  - [72] TAMMINEN, PEKKA, FI
  - [72] SUNDBERG, PIA, FI
  - [71] SANDVIK MINING AND CONSTRUCTION OY, FI
  - [85] 2023-06-13
  - [86] 2020-11-16 (PCT/EP2020/082231)
  - [87] (WO2022/100864)
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**[21] 3,202,196**

[13] A1

- [51] Int.Cl. C07K 14/47 (2006.01)
  - [25] EN
  - [54] COMPOSITIONS AND METHOD OF USE FOR HAIR STRAIGHTENING AND SHAPING
  - [54] COMPOSITIONS ET LEUR PROCEDE D'UTILISATION POUR LE LISSAGE ET LA MISE EN FORME DES CHEVEUX
  - [72] PALONI, JUSTIN, US
  - [71] OLAPLEX, INC., US
  - [85] 2023-06-13
  - [86] 2021-12-18 (PCT/US2021/064245)
  - [87] (WO2022/133333)
  - [30] US (63/205,666) 2020-12-19
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- [51] Int.Cl. A01N 1/02 (2006.01) C12N 5/00 (2006.01)
- [25] EN
- [54] METHODS OF IMPROVING PROTEIN TITER IN CELL CULTURE
- [54] PROCEDES D'AMELIORATION DU TITRE PROTEIQUE DANS UNE CULTURE CELLULAIRE
- [72] SMITH, REGINALD, US
- [72] NICOLETTI, SARAH, KR
- [72] SHASHILOV, VICTOR, US
- [72] WANG, HONGXIA, US
- [72] WU, JIKANG, US
- [72] ZAMAMIRI, ABDELQADER, US
- [71] REGENERON PHARMACEUTICALS, INC., US
- [85] 2023-06-13
- [86] 2022-01-19 (PCT/US2022/012883)
- [87] (WO2022/159432)
- [30] US (63/139,494) 2021-01-20

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- [25] EN
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- [54] COCRISTAL D'UN INHIBITEUR DE CDK
- [72] BHAT, UDAY, IN
- [72] BOKALIAL, RANADEEP, IN
- [72] BADIGER, SANGAMESH ESHWARAPPA, IN
- [72] DEVANATHAN, KRISHNASWAMY, IN
- [71] AURIGENE ONCOLOGY LIMITED, IN
- [85] 2023-06-13
- [86] 2021-12-17 (PCT/IB2021/061895)
- [87] (WO2022/130304)
- [30] IN (202041055174) 2020-12-18

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[13] A1

- [51] Int.Cl. G01B 11/16 (2006.01) G01L 1/24 (2006.01)
- [25] EN
- [54] WALL SHEAR STRESS SENSOR AND SYSTEM
- [54] CAPTEUR ET SYSTEME DE CONTRAINTE DE CISAILLEMENT A LA PAROI
- [72] WHALLEY, RICHARD DAVID, GB
- [72] EBRAHIMZADE, NIMA, GB
- [72] CUMPSION, PETER JONATHAN, GB
- [71] UNIVERSITY OF NEWCASTLE UPON TYNE, GB
- [85] 2023-06-13
- [86] 2021-12-14 (PCT/GB2021/053278)
- [87] (WO2022/153027)
- [30] GB (2100565.7) 2021-01-15

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- [51] Int.Cl. A61K 31/00 (2006.01) A61K 47/54 (2017.01) A61K 47/69 (2017.01)
- [25] EN
- [54] NANOSTRUCTURED DELIVERY SYSTEM FOR TUMOR TREATMENT
- [54] SYSTEME D'ADMINISTRATION NANOSTRUCTURE POUR LE TRAITEMENT DE TUMEUR
- [72] HOCHHAUS, ANDREAS, DE
- [72] ERNST, PHILIPP, DE
- [72] ENZENSPERGER, CHRISTOPH, DE
- [72] BAUER, MICHAEL, DE
- [71] UNIVERSITATSKLINIKUM JENA, DE
- [85] 2023-06-13
- [86] 2021-12-20 (PCT/EP2021/086860)
- [87] (WO2022/136303)
- [30] EP (20217124.5) 2020-12-23

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- [51] Int.Cl. E02D 5/54 (2006.01) E02D 27/16 (2006.01)
- [25] EN
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- [54] RACCORD DE MICRO-PIEU DESTINE A SUPPORTER UN PIEU VERTICAL
- [72] MILLER, DALE CLAYTON, US
- [72] YOUNG, JULIAN, US
- [71] MILLER, DALE CLAYTON, US
- [71] YOUNG, JULIAN, US
- [85] 2023-06-13
- [86] 2021-12-09 (PCT/US2021/062527)
- [87] (WO2022/132549)
- [30] US (63/125,264) 2020-12-14
- [30] US (17/546,155) 2021-12-09

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- [25] EN
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- [54] OLIGONUCLEOTIDES ANTISENS CIBLANT FOXG1
- [72] REICH, SCOTT, US
- [72] VORNLOCHER, HANS-PETER, DE
- [72] GEICK, ANKE, DE
- [72] BETTENCOURT, BRIAN, US
- [71] ELIGAB TX LLC, US
- [85] 2023-06-13
- [86] 2021-12-17 (PCT/US2021/064082)
- [87] (WO2022/133245)
- [30] US (63/127,907) 2020-12-18

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[13] A1

- [51] Int.Cl. F22B 1/30 (2006.01) F22B 1/28 (2006.01)
- [25] EN
- [54] HEATING SYSTEMS AND METHODS
- [54] SYSTEMES ET PROCEDES DE CHAUFFAGE
- [72] ATKINS, ANDREW, GB
- [72] COLES, RAYMOND, GB
- [72] DYE, BOB, GB
- [72] KEY, CHRISTOPHER, GB
- [72] MALIZIA, BARRY, GB
- [72] WRIGHT, ROBERT, GB
- [71] BIACO LIMITED, GB
- [85] 2023-06-13
- [86] 2022-02-28 (PCT/GB2022/050527)
- [87] (WO2022/180413)
- [30] GB (2102818.8) 2021-02-26

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[13] A1

- [51] Int.Cl. B65D 71/42 (2006.01)
- [25] EN
- [54] ARTICLE CARRIERS AND BLANKS THEREFOR
- [54] PORTE-ARTICLES ET EBAUCHES ASSOCIEES
- [72] MERZEAU, JULIEN, FR
- [72] ZACHERLE, MATTHEW E., US
- [71] WESTROCK PACKAGING SYSTEMS, LLC, US
- [85] 2023-06-13
- [86] 2021-12-14 (PCT/US2021/063287)
- [87] (WO2022/132753)
- [30] US (63/125,326) 2020-12-14

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[51] Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) A61B 5/1486 (2006.01)

[25] EN

[54] MICRO MODELS AND LAYERED PREDICTION MODELS FOR ESTIMATING SENSOR GLUCOSE VALUES AND REDUCING SENSOR GLUCOSE SIGNAL BLANKING

[54] MICRO-MODELES ET MODELES DE PREDICTION EN COUCHES POUR ESTIMER DES VALEURS DE GLYCEMIE DE CAPTEUR ET REDUIRE LA SUPPRESSION DE SIGNAL DE GLYCEMIE DE CAPTEUR

[72] AJEMBA, PETER, US

[72] NOGUEIRA, KEITH, US

[71] MEDTRONIC MINIMED, INC., US

[85] 2023-06-13

[86] 2022-01-13 (PCT/US2022/012243)

[87] (WO2022/159321)

[30] US (17/156,490) 2021-01-22

[30] US (17/163,149) 2021-01-29

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**[21] 3,202,206**

[13] A1

[51] Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) A61B 5/1486 (2006.01) A61B 5/1495 (2006.01)

[25] EN

[54] MODEL MOSAIC FRAMEWORK FOR MODELING GLUCOSE SENSITIVITY

[54] STRUCTURE DE MOSAIQUE DE MODELES PERMETTANT DE MODELISER UNE SENSIBILITE AU GLUCOSE

[72] AJEMBA, PETER, US

[72] NOGUEIRA, KEITH G., US

[71] MEDTRONIC MINIMED, INC., US

[85] 2023-06-13

[86] 2022-01-28 (PCT/US2022/014253)

[87] (WO2022/165136)

[30] US (17/163,233) 2021-01-29

[30] US (17/163,273) 2021-01-29

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[13] A1

[51] Int.Cl. A01N 43/36 (2006.01)

[25] EN

[54] COMPOSITION OF FLUROCLORIDONE IN MICROEMULSION FORM

[54] COMPOSITION DE FLUROCHLORIDONE SOUS UNE FORME DE MICROEMULSION

[72] GALAN ROMANO, FELIX SILVESTRE, AR

[71] SURCOS IMPACT, LU

[85] 2023-06-14

[86] 2021-06-16 (PCT/IB2021/055323)

[87] (WO2022/130036)

[30] AR (P20200103543) 2020-12-18

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[13] A1

[51] Int.Cl. G06F 3/0481 (2022.01) G06F 16/30 (2019.01)

[25] EN

[54] DETECTION OF ANNOTATED REGIONS OF INTEREST IN IMAGES

[54] DETECTION DE REGIONS D'INTERET ANNOTEES DANS DES IMAGES

[72] FUCHS, THOMAS, US

[72] SCHUFFLER, PETER J., US

[72] YARLAGADDA, DIG VIJAY KUMAR, US

[72] VANDERBILT, CHAD, US

[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US

[85] 2023-06-14

[86] 2021-12-16 (PCT/US2021/063837)

[87] (WO2022/133104)

[30] US (63/126,298) 2020-12-16

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[13] A1

[51] Int.Cl. C01B 32/194 (2017.01) C01B 32/18 (2017.01) C01B 32/198 (2017.01) A61K 47/04 (2006.01)

[25] EN

[54] A TWO-DIMENSIONAL ELECTROLYTE

[54] ELECTROLYTE BIDIMENSIONNEL

[72] CALDEIRA FERRAZ DA COSTA, MARIANA, SG

[72] CASTRO NETO, ANTONIO HELIO DE, SG

[72] SPOLON MARANGONI, VALERIA, SG

[71] NATIONAL UNIVERSITY OF SINGAPORE, SG

[85] 2023-06-14

[86] 2021-12-06 (PCT/SG2021/050753)

[87] (WO2022/132039)

[30] SG (10202012491S) 2020-12-14

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[13] A1

[51] Int.Cl. G02B 6/02 (2006.01)

[25] EN

[54] RADIATION-RESISTANT SILICA-BASED OPTICAL FIBER

[54] FIBRE OPTIQUE A BASE DE SILICE RESISTANTE AUX RADIATIONS

[72] CHEYMOL, GUY, FR

[72] LADACI, AYOUB, FR

[71] COMMISSARIAT A L'ENERGIE ATOMIQUE, FR

[85] 2023-06-14

[86] 2021-11-18 (PCT/EP2021/082165)

[87] (WO2022/128319)

[30] FR (2013163) 2020-12-14

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**[21] 3,202,238**

[13] A1

[51] Int.Cl. B01D 69/02 (2006.01) A61J 1/03 (2023.01)

[25] EN

[54] CONTAINER FOR DIFFUSING VOLATILE SUBSTANCES

[54] RECIPIENT DE DIFFUSION DE SUBSTANCES VOLATILES

[72] MORHAIN, CEDRIC, ES

[72] DEFLORIAN, STEFANO, IT

[71] ZOBELE HOLDING, S.P.A., IT

[85] 2023-06-14

[86] 2021-12-17 (PCT/EP2021/086469)

[87] (WO2022/129510)

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<p style="text-align: right;"><b>[21] 3,202,246</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G16H 20/17 (2018.01) G16H 40/67 (2018.01)</p> <p>[25] EN</p> <p>[54] SYNCHRONIZATION OF PATIENT ASSOCIATION DATA ACROSS A HEALTHCARE ORGANIZATION NETWORK</p> <p>[54] SYNCHRONISATION DE DONNEES D'ASSOCIATION DE PATIENT DANS UN RESEAU D'ORGANISATION DE SOINS DE SANTE</p> <p>[72] WORKMAN, MICHAEL K., US</p> <p>[72] DIGGETT, LISA, US</p> <p>[71] CAREFUSION 303, INC., US</p> <p>[85] 2023-06-14</p> <p>[86] 2021-12-17 (PCT/US2021/064231)</p> <p>[87] (WO2022/133328)</p> <p>[30] US (63/127,970) 2020-12-18</p> <p>[30] US (63/171,056) 2021-04-05</p>
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<p style="text-align: right;"><b>[21] 3,202,248</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12Q 1/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ANALYTE SENSORS AND METHODS OF USE THEREOF</p> <p>[54] CAPTEURS D'ANALYTES ET LEURS PROCEDES D'UTILISATION</p> <p>[72] LIU, ZENGHE, US</p> <p>[72] FELDMAN, BENJAMIN J., US</p> <p>[71] ABBOTT DIABETES CARE INC., US</p> <p>[85] 2023-06-14</p> <p>[86] 2022-01-03 (PCT/US2022/011047)</p> <p>[87] (WO2022/147506)</p> <p>[30] US (63/132,936) 2020-12-31</p> <p>[30] US (63/135,395) 2021-01-08</p>
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<p style="text-align: right;"><b>[21] 3,202,251</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07F 5/02 (2006.01)</p> <p>[25] EN</p> <p>[54] BORATE DERIVATIVE AND USES THEREOF</p> <p>[54] DERIVE DE BORATE ET SES UTILISATIONS</p> <p>[72] WANG, ZHONGLI, CN</p> <p>[72] HAO, XIN, CN</p> <p>[72] LIU, SANG, CN</p> <p>[71] REISTONE BIOPHARMA COMPANY LIMITED, CN</p> <p>[85] 2023-06-14</p> <p>[86] 2021-12-24 (PCT/CN2021/141010)</p> <p>[87] (WO2022/135550)</p> <p>[30] CN (202011558776.7) 2020-12-25</p> <p>[30] CN (202110356037.8) 2021-04-01</p> <p>[30] CN (202111419717.6) 2021-11-26</p>
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- [54] SYSTEME DE POIGNEE D'EXTENSION POUR OUTILS ELECTRIQUES PORTATIFS
- [72] YALACKI, DANIEL L., US
- [71] YALACKI, DANIEL L., US
- [85] 2023-06-14
- [86] 2022-02-18 (PCT/US2022/017105)
- [87] (WO2022/133504)
- [30] US (63/127,209) 2020-12-18

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[13] A1

- [51] Int.Cl. A61B 5/00 (2006.01) C12Q 1/6886 (2018.01) G06N 20/00 (2019.01) G16B 25/00 (2019.01) G01N 33/50 (2006.01) G01N 33/574 (2006.01)
- [25] EN
- [54] MARKERS FOR THE EARLY DETECTION OF COLON CELL PROLIFERATIVE DISORDERS
- [54] MARQUEURS POUR LA DETECTION PRECOCE DE TROUBLES PROLIFERATIFS DE CELLULES DU COLON
- [72] WARSINSKE, HAYLEY, US
- [72] DRAKE, ADAM, US
- [72] PALANIAPPAN, KRISHNAN KANNA, US
- [72] O'DONOVAN, BRIAN D., US
- [72] HAWKINS, JOHN, US
- [71] FREENOME HOLDINGS, INC., US
- [85] 2023-06-14
- [86] 2021-12-14 (PCT/US2021/063337)
- [87] (WO2022/140116)
- [30] US (63/128,545) 2020-12-21

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- [51] Int.Cl. C07C 235/40 (2006.01) C07C 237/12 (2006.01) C07C 237/42 (2006.01) C07C 255/60 (2006.01) C07C 311/46 (2006.01) C07D 213/40 (2006.01) C07D 235/14 (2006.01) C07D 305/06 (2006.01) C07D 307/33 (2006.01) C07D 307/88 (2006.01) C07D 311/58 (2006.01) C07D 317/40 (2006.01) C07D 407/12 (2006.01)
- [25] EN
- [54] SUBSTITUTED CYCLOHEXANE CARBOXYLAMIDES, THEIR PREPARATION AND THEIR THERAPEUTIC APPLICATION

[54] CYCLOHEXANE CARBOXYLAMIDES SUBSTITUES, LEUR PREPARATION ET LEUR APPLICATION THERAPEUTIQUE

- [72] MUELLER, PAUL JUSTIN, US
- [72] AUGER, FLORIAN, FR
- [72] BEGIS, GUILLAUME, FR
- [72] FORICHER, YANN, FR
- [72] GREBNER, CHRISTOPH, DE
- [72] HOURCADE, STEPHANE, FR
- [72] MEYFROOT, STEPHANIE, FR
- [72] RUF, SVEN, DE
- [72] WIRTH, KLAUS, DE
- [71] SANOFI, FR
- [85] 2023-06-14
- [86] 2021-12-16 (PCT/US2021/063704)
- [87] (WO2022/133027)
- [30] US (63/126,184) 2020-12-16
- [30] EP (21315029.5) 2021-02-25

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[13] A1

- [51] Int.Cl. A61K 39/02 (2006.01) A61K 39/09 (2006.01) A61K 39/12 (2006.01)
- [25] EN
- [54] COMPOSITIONS AND METHODS
- [54] COMPOSITIONS ET PROCÉDÉS
- [72] GREEN, EDWARD, GB
- [72] BRADLEY, BENJAMIN MICHAEL, GB
- [72] JIANG, SHISONG, GB
- [72] EDWARDS, RICHARD MARK, GB
- [71] CHAIN BIOTECHNOLOGY LIMITED, GB
- [85] 2023-06-14
- [86] 2021-12-13 (PCT/GB2021/053264)
- [87] (WO2022/129881)
- [30] GB (2019767.9) 2020-12-15

[21] 3,202,258  
[13] A1

- [51] Int.Cl. B32B 29/02 (2006.01) B65D 1/34 (2006.01) B65D 5/20 (2006.01) B65D 81/26 (2006.01)
- [25] EN
- [54] POUCH TYPE FOOD PAD
- [54] TAMpon ALIMENTAIRE DU TYPE POCHE
- [72] SOLBERG, MIKAEL, SE
- [71] CELLCOMB AB, SE
- [85] 2023-06-14
- [86] 2022-02-14 (PCT/SE2022/050154)
- [87] (WO2022/173361)
- [30] SE (2150156-4) 2021-02-12

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- [51] Int.Cl. A61K 31/722 (2006.01) A61K 31/522 (2006.01) A61K 31/728 (2006.01) A61P 31/12 (2006.01)
- [25] EN
- [54] MEANS AND METHODS OF PREVENTING, TREATING AND DETECTING INFECTIONS
- [54] MOYENS ET MÉTHODES DE PRÉVENTION, DE TRAITEMENT ET DE DETECTION D'INFECTIONS
- [72] VOIGT, ANDREAS, DE
- [72] ANDERSEN, RICHARD DOLPH, DE
- [72] SKRINER, KARL, DE
- [72] BENDER, JOACHIM, DE
- [71] SOLYPLUS GMBH, DE
- [71] LEOPOLD GMBH, DE
- [85] 2023-06-14
- [86] 2021-10-21 (PCT/EP2021/079199)
- [87] (WO2022/135767)
- [30] EP (20216717.7) 2020-12-22
- [30] EP (PCT/EP2021/059643) 2021-04-14

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- [51] Int.Cl. E21B 47/002 (2012.01) E21F 9/00 (2006.01) G03B 15/03 (2021.01) G03B 17/02 (2021.01) G03B 17/56 (2021.01) G03B 37/04 (2021.01)
- [25] EN
- [54] IMAGE CAPTURING ASSEMBLY
- [54] ENSEMBLE DE CAPTURE D'IMAGE
- [72] BAILEY, IAN, AU
- [71] ANGLO AMERICAN STEELMAKING COAL PTY LTD, AU
- [85] 2023-06-14
- [86] 2021-12-22 (PCT/AU2021/051538)
- [87] (WO2022/133533)
- [30] AU (2020904826) 2020-12-23

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[13] A1

- [51] Int.Cl. G06Q 30/06 (2023.01) G06Q 10/08 (2023.01)
  - [25] EN
  - [54] ORDER FULFILLMENT AND DELIVERY OF EQUINE PRODUCTS
  - [54] EXECUTION DE COMMANDES ET DISTRIBUTION DE PRODUITS EQUINS
  - [72] CORBY, DODD, US
  - [72] MINARD, REBECCA, US
  - [72] STRONG, LAWRENCE, US
  - [71] SMARTPAK EQUINE LLC, US
  - [85] 2023-06-14
  - [86] 2021-12-14 (PCT/US2021/063237)
  - [87] (WO2022/132714)
  - [30] US (63/125,439) 2020-12-15
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[13] A1

- [51] Int.Cl. C08H 8/00 (2010.01) C12P 7/08 (2006.01) C12P 7/10 (2006.01) C13K 1/02 (2006.01) C13K 1/04 (2006.01)
  - [25] EN
  - [54] OBTAINING SUGAR FROM FERMENTED GRAINS
  - [54] OBTENTION DE SUCRE A PARTIR DE GRAINS FERMENTES
  - [72] HINDLE, NEIL, GB
  - [71] NOVA PANGAEA TECHNOLOGIES (UK) LIMITED, GB
  - [85] 2023-06-14
  - [86] 2021-12-15 (PCT/GB2021/053306)
  - [87] (WO2022/129903)
  - [30] GB (2019913.9) 2020-12-16
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**[21] 3,202,267**  
[13] A1

- [51] Int.Cl. A61K 31/192 (2006.01)
  - [25] EN
  - [54] METHODS OF TREATING ACHONDROPLASIA
  - [54] METHODES DE TRAITEMENT DE L'ACHONDROPLASIE
  - [72] PANICUCCI, RICCARDO, US
  - [72] ARANGIO, SUSAN, US
  - [72] DAMBKOWSKI, CARL, US
  - [72] HENDERSON, MICHAEL, US
  - [72] ROGOFF, DANIELA, US
  - [72] MONTEITH, MICHAEL, US
  - [72] ZHANG, LIHUA, US
  - [71] QED THERAPEUTICS, INC., US
  - [85] 2023-06-14
  - [86] 2021-12-17 (PCT/US2021/064033)
  - [87] (WO2022/133212)
  - [30] US (63/127,576) 2020-12-18
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[13] A1

- [51] Int.Cl. G02B 6/00 (2006.01) G02B 6/036 (2006.01) G02B 6/10 (2006.01) G03H 1/00 (2006.01) G03H 1/26 (2006.01)
  - [25] EN
  - [54] ENERGY RELAYS WITH ENERGY PROPAGATION HAVING PREDETERMINED ORIENTATIONS
  - [54] RELAIS D'ENERGIE A PROPAGATION D'ENERGIE AYANT DES ORIENTATIONS PREDETERMINEES
  - [72] KARAFIN, JONATHAN SEAN, US
  - [72] BEVENSEE, BRENDAN ELWOOD, US
  - [71] LIGHT FIELD LAB, INC., US
  - [85] 2023-06-14
  - [86] 2021-12-15 (PCT/US2021/010055)
  - [87] (WO2022/132191)
  - [30] US (63/125,951) 2020-12-15
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- [51] Int.Cl. C07K 14/81 (2006.01) C12N 15/10 (2006.01)
  - [25] EN
  - [54] LIGAND-BINDING POLYPEPTIDES AND USES THEREOF
  - [54] POLYPEPTIDES DE LIAISON A UN LIGAND ET LEURS UTILISATIONS
  - [72] HOWARTH, MARK, GB
  - [72] WICKE, NIELS, GB
  - [71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
  - [85] 2023-06-14
  - [86] 2021-12-15 (PCT/GB2021/053304)
  - [87] (WO2022/129902)
  - [30] GB (2019817.2) 2020-12-15
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[13] A1

- [51] Int.Cl. H01L 31/0747 (2012.01) H01L 31/0725 (2012.01)
  - [25] FR
  - [54] SIMPLIFIED TANDEM STRUCTURE FOR SOLAR CELLS WITH TWO TERMINALS
  - [54] STRUCTURE SIMPLIFIEE DE CELLULES SOLAIRES TANDEM A DEUX TERMINAUX
  - [72] PUAUD, APOLLINE, FR
  - [72] MATHERON, Muriel, FR
  - [72] MUÑOZ, MARIA-DELFINA, FR
  - [71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
  - [71] 3SUN S.R.L., IT
  - [85] 2023-06-14
  - [86] 2021-12-13 (PCT/FR2021/052296)
  - [87] (WO2022/129758)
  - [30] FR (FR2013591) 2020-12-18
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[13] A1

- [51] Int.Cl. A61M 39/10 (2006.01)
- [25] EN
- [54] ADJUSTABLE CANNULATION ASSEMBLY AND METHODS THEREOF
- [54] ENSEMBLE DE CANULATION REGLABLE ET PROCEDES ASSOCIES
- [72] SAUER, JUDE S., US
- [72] SCHIELE, JEREMY A., US
- [71] LSI SOLUTIONS, INC., US
- [85] 2023-06-14
- [86] 2021-12-10 (PCT/US2021/062825)
- [87] (WO2022/132584)
- [30] US (17/121,025) 2020-12-14

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 [25] FR  
 [54] SIMPLIFIED STRUCTURE OF TWO-TERMINAL TANDEM SOLAR CELLS WITH TRANSPARENT CONDUCTING OXIDE JUNCTION MATERIAL  
 [54] STRUCTURE SIMPLIFIEE DE CELLULES SOLAIRES TANDEM A DEUX TERMINAUX AYANT UN MATERIAU DE JONCTION EN OXYDE TRANSPARENT CONDUCTEUR  
 [72] PUAUD, APOLLINE, FR  
 [72] MATHERON, MURIEL, FR  
 [72] MUÑOZ, MARIA-DELFINA, FR  
 [71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR  
 [71] 3SUN S.R.L., IT  
 [85] 2023-06-14  
 [86] 2021-12-13 (PCT/FR2021/052295)  
 [87] (WO2022/129757)  
 [30] FR (FR2013592) 2020-12-18
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 [25] EN  
 [54] SYSTEM AND METHOD FOR MOVING A MEDICAL DEVICE FOR TREATING OR DIAGNOSING A PATIENT  
 [54] SYSTEME ET PROCEDE POUR DEPLACER UN DISPOSITIF MEDICAL POUR TRAITER OU DIAGNOSTIQUER UN PATIENT  
 [72] POUPONNEAU, PIERRE, FR  
 [72] CHAH, AHMED, FR  
 [72] ZARROUK, AZADDIEN, FR  
 [72] GRIMAUD, MICHEL, FR  
 [72] BELHARET, KARIM, FR  
 [71] ARTEDRONE, FR  
 [85] 2023-06-14  
 [86] 2022-01-19 (PCT/EP2022/051114)  
 [87] (WO2022/157189)  
 [30] CH (00058/21) 2021-01-21  
 [30] EP (21315129.3) 2021-07-26
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- [51] Int.Cl. A01B 45/00 (2006.01) A01D 57/22 (2006.01)  
 [25] EN  
 [54] HARVESTING MACHINE FOR HARVESTING OBLONG CROPS AND METHOD FOR HARVESTING OBLONG CROPS  
 [54] MACHINE DE RECOLTE DESTINEE A LA RECOLTE DE CULTURES OBLONGUES ET PROCEDE DE RECOLTE DE CULTURES OBLONGUES  
 [72] ENGELS, FRANCISCUS MARIA, NL  
 [72] ENGELS, MARCUS FRANCISCUS, NL  
 [72] ENGELS, CHRISTIAAN MICHAEL, NL  
 [71] ENGELS FAMILIE HOLDING B.V., NL  
 [85] 2023-06-14  
 [86] 2021-12-09 (PCT/NL2021/050752)  
 [87] (WO2022/131907)  
 [30] NL (2027135) 2020-12-17
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- [51] Int.Cl. A61F 2/16 (2006.01)  
 [25] EN  
 [54] HYBRID POWER DELIVERY FOR SURGICAL IMPLANTS  
 [54] ALIMENTATION EN PUissance HYBRIDE POUR IMPLANTS CHIRURGICAUX  
 [72] RODEHEAVER, AUSTIN XAVIER, US  
 [72] TABER, TODD, US  
 [72] VAN DEN BERGH, RODERICK, GB  
 [72] PROULX, MARSHALL KEITH, US  
 [72] CORTHORN, GRANT, GB  
 [72] HEMMINGWAY, CHRIS, GB  
 [72] ORRELL, MARTIN, GB  
 [72] WYMAN, CATHERINE, GB  
 [72] PENHALLURICK, TREVOR, GB  
 [71] ALCON INC., CH  
 [85] 2023-06-14  
 [86] 2021-12-21 (PCT/IB2021/062121)  
 [87] (WO2022/137129)  
 [30] US (63/129,026) 2020-12-22
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**[21] 3,202,283**

[13] A1

- [51] Int.Cl. G10L 19/008 (2013.01) G10L 19/04 (2013.01)  
 [25] EN  
 [54] QUANTIZING SPATIAL AUDIO PARAMETERS  
 [54] QUANTIFICATION DE PARAMETRES AUDIO SPATIAUX  
 [72] VASILACHE, ADRIANA, FI  
 [71] NOKIA TECHNOLOGIES OY, FI  
 [85] 2023-06-14  
 [86] 2020-12-15 (PCT/FI2020/050840)  
 [87] (WO2022/129672)
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[13] A1

- [51] Int.Cl. C25D 5/12 (2006.01) H01L 23/498 (2006.01)  
 [25] EN  
 [54] METHOD FOR DEPOSITING A BRONZE ALLOY ON A PRINTED CIRCUIT AND PRINTED CIRCUIT OBTAINED BY SAID METHOD  
 [54] PROCEDE DE DEPOT D'UN ALLIAGE DE BRONZE SUR UN CIRCUIT IMPRIME ET CIRCUIT IMPRIME OBTENU PAR CE PROCEDE  
 [72] SANSON, JEROME, FR  
 [72] COQUILLARD, STEPHANIE, FR  
 [71] LINXENS HOLDING, FR  
 [85] 2023-06-14  
 [86] 2021-12-07 (PCT/EP2021/084523)  
 [87] (WO2022/128608)  
 [30] FR (FR2013714) 2020-12-18
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[13] A1

- [51] Int.Cl. C01G 53/00 (2006.01) H01M 4/525 (2010.01)  
 [25] EN  
 [54] A POSITIVE ELECTRODE ACTIVE MATERIAL FOR RECHARGEABLE LITHIUM-ION BATTERIES  
 [54] MATERIAU ACTIF D'ELECTRODE POSITIVE POUR BATTERIES AU LITHIUM-ION RECHARGEABLES  
 [72] KIM, JIHYE, KR  
 [72] PAULSEN, JENS MARTIN, KR  
 [72] SHIN, JEONGYIM, KR  
 [72] BLANGERO, MAXIME, KR  
 [71] UMICORE, BE  
 [85] 2023-06-14  
 [86] 2021-12-14 (PCT/EP2021/085732)  
 [87] (WO2022/129077)  
 [30] EP (20214279.0) 2020-12-15
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<p style="text-align: right;"><b>[21] 3,202,289</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 36/258 (2006.01) A23L 33/105 (2016.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)</p> <p>[25] EN</p> <p>[54] AMERICAN GINSENG ROOT FRACTIONS, PROCESSES OF THEIR PREPARATION AND USES THEREOF</p> <p>[54] FRACTIONS DE RACINE DE GINSENG AMERICAIN, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS</p> <p>[72] SHAN, JACQUELINE J., CA</p> <p>[71] SHAN, JACQUELINE J., CA</p> <p>[85] 2023-06-14</p> <p>[86] 2021-12-14 (PCT/CA2021/051807)</p> <p>[87] (WO2022/126261)</p> <p>[30] US (63/125,607) 2020-12-15</p>
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<p style="text-align: right;"><b>[21] 3,202,290</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H03L 7/093 (2006.01) H03L 7/089 (2006.01)</p> <p>[25] EN</p> <p>[54] PHASE-LOCKED LOOP CIRCUIT AND SIGNAL PROCESSING DEVICE</p> <p>[54] CIRCUIT A BOUCLE A VERROUILLAGE DE PHASE ET DISPOSITIF DE TRAITEMENT DE SIGNAL</p> <p>[72] KONG, WEIXIN, CN</p> <p>[72] YANG, ZUOXING, CN</p> <p>[72] GUO, HAIFENG, CN</p> <p>[71] SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD., CN</p> <p>[85] 2023-06-14</p> <p>[86] 2022-01-07 (PCT/CN2022/070700)</p> <p>[87] (WO2023/005157)</p> <p>[30] CN (202110848675.1) 2021-07-27</p>
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<p style="text-align: right;"><b>[21] 3,202,293</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H01M 4/02 (2006.01) H01M 4/66 (2006.01) H01M 4/68 (2006.01) H01M 4/70 (2006.01) H01M 4/82 (2006.01) H01M 10/04 (2006.01) H01M 10/18 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND APPARATUS RELATING TO BIPOLAR BATTERIES</p> <p>[54] PROCEDES ET APPAREIL SE RAPPORTANT A DES BATTERIES BIPOLAIRES</p> <p>[72] CUNNINGHAM-BROWN, MAURIZIO, GB</p> <p>[72] ELLIS, KEITH GORDON, GB</p> <p>[72] EARL, MALCOLM, GB</p> <p>[71] THE ULTIMATE BATTERY COMPANY LTD, GB</p> <p>[85] 2023-06-14</p> <p>[86] 2022-01-24 (PCT/GB2022/050177)</p> <p>[87] (WO2022/162347)</p> <p>[30] GB (2101020.2) 2021-01-26</p>
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<p style="text-align: right;"><b>[21] 3,202,294</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01K 13/00 (2006.01) A01K 15/00 (2006.01) A01K 27/00 (2006.01) A01K 47/02 (2006.01) A01N 25/08 (2006.01) A01N 25/18 (2006.01) A61D 7/00 (2006.01) A61K 9/42 (2006.01) A61K 31/74 (2006.01) A61K 33/06 (2006.01) A61K 35/02 (2015.01) A61K 35/12 (2015.01)</p> <p>[25] FR</p> <p>[54] WEARABLE PET DEVICES WITH PASSIVE DIFFUSION OF SEMIOCHEMICAL COMPOSITIONS</p> <p>[54] DISPOSITIFS PORTABLES POUR ANIMAUX DE COMPAGNIE AVEC DIFFUSION PASSIVE DE COMPOSITIONS SEMIOCHIMIQUES</p> <p>[72] GIRARDIN, AURELIE, FR</p> <p>[72] MONGINOUX, PATRICIA, FR</p> <p>[72] LE JEANNE, CECILE, FR</p> <p>[72] JOLIVET, JEAN, FR</p> <p>[71] VIRBAC, FR</p> <p>[85] 2023-06-14</p> <p>[86] 2021-12-17 (PCT/EP2021/086599)</p> <p>[87] (WO2022/136181)</p> <p>[30] FR (FR2013842) 2020-12-21</p>
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<p style="text-align: right;"><b>[21] 3,202,296</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07K 16/28 (2006.01) C07K 14/47 (2006.01) C07K 16/30 (2006.01)</p> <p>[25] EN</p> <p>[54] RECOMBINANT CD3 BINDING PROTEINS AND THEIR USE</p> <p>[54] PROTEINES DE LIAISON A CD3 RECOMBINANTES ET LEUR UTILISATION</p> <p>[72] GRIMM, SEBASTIAN, CH</p> <p>[72] RESCHKE, NINA, CH</p> <p>[72] REICHEN, CHRISTIAN, CH</p> <p>[72] SCHLERETH, BERND, CH</p> <p>[72] LEVITSKY, VICTOR, CH</p> <p>[72] JEANBART, LAURA, CH</p> <p>[71] MOLECULAR PARTNERS AG, CH</p> <p>[85] 2023-06-14</p> <p>[86] 2021-12-16 (PCT/EP2021/086331)</p> <p>[87] (WO2022/129428)</p> <p>[30] US (63/126,356) 2020-12-16</p> <p>[30] EP (20216705.2) 2020-12-22</p> <p>[30] US (63/182,394) 2021-04-30</p>
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<p style="text-align: right;"><b>[21] 3,202,300</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C01B 3/36 (2006.01) C07C 29/151 (2006.01) C07C 41/01 (2006.01) F02D 19/06 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD TO CONTROL SYNGAS COMPOSITION FROM AN ENGINE-BASED SYNGAS GENERATOR</p> <p>[54] METHODE DE CONTROLE D'UNE COMPOSITION DE GAZ DE SYNTHESE A PARTIR D'UN GENERATEUR DE GAZ DE SYNTHESE BASE SUR UN MOTEUR</p> <p>[72] PARVATHIKAR, SAMEER, US</p> <p>[72] CARPENTER III, JOHN R., US</p> <p>[71] RESEARCH TRIANGLE INSTITUTE, INTERNATIONAL, US</p> <p>[85] 2023-06-14</p> <p>[86] 2022-01-07 (PCT/US2022/011635)</p> <p>[87] (WO2022/150601)</p> <p>[30] US (63/135,033) 2021-01-08</p>
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<p>[21] <b>3,202,303</b>  [13] A1</p> <p>[51] Int.Cl. A61K 47/68 (2017.01) A61K 47/65 (2017.01)</p> <p>[25] EN</p> <p>[54] TROP2 TARGETING ANTIBODY-DRUG CONJUGATE, AND PREPARATION METHOD AND USE THEREFOR</p> <p>[54] CONJUGUE ANTICORPS-MEDICAMENT CIBLANT TROP2, PROCEDE DE PREPARATION ET UTILISATION S'Y RAPPORTANT</p> <p>[72] GUO, QINGSONG, CN</p> <p>[72] SHEN, YIJUN, CN</p> <p>[72] YANG, TONG, CN</p> <p>[72] BAO, BIN, CN</p> <p>[72] GAO, BEI, CN</p> <p>[72] WU, FANG, CN</p> <p>[72] XU, JUN, CN</p> <p>[71] SHANGHAI FUDAN-ZHANGJIANG BIO-PHARMACEUTICAL CO., LTD., CN</p> <p>[85] 2023-06-14</p> <p>[86] 2020-12-18 (PCT/CN2020/137596)</p> <p>[87] (WO2022/126593)</p>
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<p>[21] <b>3,202,311</b>  [13] A1</p> <p>[51] Int.Cl. C12P 5/00 (2006.01) C12P 19/56 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND COMPOSITIONS</p> <p>[54] PROCEDES ET COMPOSITIONS</p> <p>[72] OSBOURN, ANNE, GB</p> <p>[72] REED, JAMES, GB</p> <p>[72] ORME, ANASTASIA, GB</p> <p>[71] PLANT BIOSCIENCE LIMITED, GB</p> <p>[85] 2023-06-14</p> <p>[86] 2021-12-22 (PCT/EP2021/087323)</p> <p>[87] (WO2022/136563)</p> <p>[30] GB (2020623.1) 2020-12-24</p> <p>[30] GB (2116554.3) 2021-11-17</p>
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<p>[21] <b>3,202,314</b>  [13] A1</p> <p>[51] Int.Cl. B01L 7/00 (2006.01) C12M 1/38 (2006.01) C12P 19/34 (2006.01)</p> <p>[25] EN</p> <p>[54] LIMITED WELL THERMAL CYCLING DEVICE</p> <p>[54] DISPOSITIF DE CYCLAGE THERMIQUE DE PUITS LIMITE</p> <p>[72] OOMMEN, ABRAHAM, US</p> <p>[72] ZAREKAR, JAY, US</p> <p>[72] CRAIG, TREVOR, US</p> <p>[72] GREENLEAF, MATTHEW, US</p> <p>[72] CARRIE, MICHAEL, US</p> <p>[72] RATHNIAH, GOVARDHAN, US</p> <p>[71] MATERIALS AND MACHINES CORPORATION OF AMERICA, US</p> <p>[85] 2023-06-14</p> <p>[86] 2021-12-19 (PCT/US2021/064256)</p> <p>[87] (WO2022/140213)</p> <p>[30] US (63/130,073) 2020-12-23</p>
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<p>[21] <b>3,202,317</b>  [13] A1</p> <p>[51] Int.Cl. H01M 50/583 (2021.01) H01M 50/107 (2021.01) H01M 50/167 (2021.01) H01M 50/533 (2021.01) H01M 50/538 (2021.01) H01M 50/586 (2021.01) H01M 50/593 (2021.01)</p> <p>[25] EN</p> <p>[54] BATTERY AND CURRENT COLLECTOR APPLIED THERETO, AND BATTERY PACK AND VEHICLE INCLUDING THE SAME</p>
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<p>[54] BATTERIE, COLLECTEUR DE COURANT APPLIQUE A CELLE-CI, ET BLOC-BATTERIE ET VEHICULE LES COMPRENNANT</p> <p>[72] CHOI, SU-JI, KR</p> <p>[72] HWANGBO, KWANG-SU, KR</p> <p>[72] KIM, DO-GYUN, KR</p> <p>[72] MIN, GEON-WOO, KR</p> <p>[72] JO, MIN-KI, KR</p> <p>[72] LIM, JAE-WON, KR</p> <p>[72] KIM, HAK-KYUN, KR</p> <p>[72] LEE, JE-JUN, KR</p> <p>[72] JUNG, JI-MIN, KR</p> <p>[72] LIM, HAE-JIN, KR</p> <p>[72] KIM, JAE-WOONG, KR</p> <p>[72] PARK, JONG-SIK, KR</p> <p>[72] CHOE, YU-SUNG, KR</p> <p>[72] LEE, BYOUNG-GU, KR</p> <p>[72] RYU, DUK-HYUN, KR</p> <p>[72] LEE, KWAN-HEE, KR</p> <p>[72] LEE, JAE-EUN, KR</p> <p>[72] KANG, BO-HYUN, KR</p> <p>[72] KONG, JIN-HAK, KR</p> <p>[72] LEE, SOON-O, KR</p> <p>[72] CHOI, KYU-HYUN, KR</p> <p>[72] PARK, PIL-KYU, KR</p> <p>[71] LG ENERGY SOLUTION, LTD., KR</p>
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[72] YANG, JIE, US  
[72] YUAN, ZHIQIANG, US  
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[71] MINERAL EARTH SCIENCES LLC, US  
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[54] ALTERNATEUR SANS BALAI AMELIORE  
[72] ROBERTS, MARK, AU  
[71] RAPID POWER INDUSTRIES, AU  
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[25] EN  
[54] AUTO-INJECTOR AND RELATED METHODS OF USE  
[54] AUTO-INJECTEUR ET PROCEDES D'UTILISATION ASSOCIES  
[72] HALBIG, DANIEL, US  
[72] GRYGUS, BRYAN, US  
[72] Langley, Trevor, US  
[72] DUMONT, ANDREW, US  
[72] BURGESS, BART E., US  
[72] PAUSLEY, MATTHEW, US  
[72] KENYON, ROSS, US  
[71] REGENERON PHARMACEUTICALS, INC., US  
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[54] ANTICORPS ANTI-TNF? ET NGF A USAGE VETERINAIRE  
[72] PIERCE, STEPHANIE A., US  
[72] PRESTA, LEONARD, US  
[72] LI, SHYR JIANN, US  
[72] NGUYEN, LAM, US  
[72] CHIN, RICHARD, US  
[72] ZHAN, HANGJUN, US  
[71] KINDRED BIOSCIENCES, INC., US  
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[54] SYSTEME ET PROCEDE DE CHANGEMENT DE VOIE D'ACTIONNEUR A DOUBLE REDONDANCE SANS BOURRAGE  
[72] LIU, SHIJIE, US  
[72] GOLDHAMMER, KURT, US  
[72] CAMPBELL, DOUGLAS, US  
[72] DEMAURO, PHILIP, US  
[72] DOYLE, MICHAEL, US  
[72] POWERS, ALAN, US  
[72] CHIVILY, PHILIP, US  
[71] WHIPPANY ACTUATION SYSTEMS LLC, US  
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[72] CORNETT-CHING, JOHN HENRY, CA  
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- [54] COMPOSITIONS DE PROTEINES ET LEURS PROCEDES DE PRODUCTION ET D'UTILISATION
- [72] JANG, MEI, US
- [72] NICHOLS, DAVE, US
- [72] HUANG, BAOCHUAN, US
- [72] GRIER, SHAUN, US
- [71] KINIKSA PHARMACEUTICALS, LTD., BM
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- [54] METHOD AND APPARATUS FOR ENHANCING OPERATION OF LEG PROSTHESIS
- [54] PROCEDE ET APPAREIL POUR AMELIORER LE FONCTIONNEMENT D'UNE PROTHESE DE JAMBE
- [72] CHOI, HWAN, US
- [72] RAMEZANI, SEPEHR, US
- [71] UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., US
- [85] 2023-06-14
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- [54] METHODES DE TRAITEMENT DU DIABETE
- [72] CARR, MOLLY CORBETT, US
- [72] CHIEN, YUEH-LING A/K/A JENNY Y. CHIEN, US
- [72] CHIGUTSA, EMMANUEL, US
- [72] GARHYAN, PARAG, US
- [72] HAUPT, AXEL RICHARD KARL-AUGUST, US
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- [72] DECKER, DAVID, US
- [72] KARLGAARD, MATT, US
- [72] CARDOZO, RUBEN E. SALAZAR, US
- [72] TORPY, KEITH, AU
- [72] TURNER, JAMES RANDALL, US
- [71] LANDIS+GYR INNOVATIONS, INC., US
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- [72] CRAVEN, JAMES NORMAN, US
- [72] RILEY, IAN JAMES, US
- [72] WATSON, MATTHEW, US
- [71] TMRW LIFE SCIENCES, INC., US
- [85] 2023-06-14
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- [30] US (63/136,886) 2021-01-13

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- [72] LAHOUD, IMAD, AE
- [72] ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, AE
- [72] BHATTI, SAJID, AE
- [72] MACHOVEC, JEFF, AE
- [72] LAMOUREUX, CLEMENT, AE
- [71] SHAHEEN INNOVATIONS HOLDING LIMITED, AE
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[54] PROCEDES ET APPAREILS DE TRAITEMENT DE LITIERE DE VOLAILLE
[72] VANORNUM, DOUG, US
[72] DVORAK, STEPHEN W., US
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[54] COMPOSES POUR LA DEGRADATION DE LA KINASE 2 DEPENDANTE DES CYCLINES PAR L'INTERMEDIAIRE D'UNE VOIE DE L'UBIQUITINE-PROTEOSOME
[72] FU, JIPING, US
[72] LOU, YAN, US
[71] NIKANG THERAPEUTICS, INC., US
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[72] AHLSKOG, JULIA, CH
[72] SCHLERETH, BERND, CH
[72] AMSTUTZ, PATRICK, CH
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[71] MOLECULAR PARTNERS AG, CH
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[72] JOHNSON, DAVID SCOTT, US
[72] SIMONS, JAN FREDRIK, US
[72] LIM, YOONG WEARN, US
[72] SPINDLER, MATTHEW JAMES, US
[72] CARTER, KYLE PIERCE, US
[72] SANDHU, SAVREET KAUR, US
[72] WAGNER, ELLEN KATHLEEN, US
[72] COLES, GARRY, US
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[72] BERTELSEN, ADAM FREDERIK SANDER, DK
[72] NIELSEN, MORTEN AGERTOUG, DK
[72] GOKSOYR, LOUISE, DK
[72] FOUGEROUX, CYRIELLE ELYETTE, DK
[72] DE JONGH, WILLEM ADRIAAN, GB
[71] UNIVERSITY OF COPENHAGEN, DK
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[85] 2023-06-15
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[54] COMPOSITIONS DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT D'UNE HAPLO-INSUFFISANCE CHD2 ET PROCEDES D'IDENTIFICATION DE CELLES-CI
[72] ULITSKY, IGOR, IL
[72] ROSS, CAROLINE JANE, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
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  - [54] MOLECULES DE LIAISON A CD40 ET LEURS UTILISATIONS**
  - [72] KHALIL, DANNY NAJAD, US
  - [72] MERGHOUB, TAHIA, US
  - [72] WOLCHOK, JEDD D., US
  - [72] SCHULZE, ISABELL, US
  - [72] LORENZ, IVO C., US
  - [71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
  - [71] TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE, INC., US
  - [85] 2023-06-15
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- [54] PROCEDE D'INSTALLATION D'UN ENSEMBLE DE DETONATEURS ELECTRONIQUES ET PROCEDE DE MISE A FEU ASSOCIE**
- [72] GUYON, FRANCK, FR
- [72] TROUSSELLE, RAPHAEL, FR
- [72] COMBRINCK, STEPHANUS JOHANNES MARAIS, AU
- [72] DUMANOIR, LOU, FR
- [71] DAVEY BICKFORD, FR
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  - [54] AGONISTES DU RECEPTEUR DU POLYPEPTIDE 1 DE TYPE GLUCAGON (GLP-1) A ACTION PROLONGEE ET METHODES D'UTILISATION**
  - [72] BLACKWELL, WILLIAM, US
  - [72] SRIVASTAVA, VED P., US
  - [72] PAULIK, MARK, US
  - [71] I2O THERAPEUTICS, INC., US
  - [85] 2023-06-15
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- [54] PROCESS**
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- [72] OLSBYE, UNNI, NO
- [72] XIE, JINGXIU, NL
- [71] UNIVERSITETET I OSLO, NO
- [85] 2023-06-15
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  - [25] EN
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  - [54] MOLECULES IMMUNOMODULATRICES LOCALISEES DANS LE COLLAGENE A FUSION LINEAIRE BI-FONCTIONNELLE ET LEURS METHODES**
  - [72] MEHTA, NAVEEN, US
  - [72] JENNIFER, MICHAELSON, US
  - [72] BAEUERLE, PATRICK, US
  - [72] LI, BOCHONG, US
  - [72] WITTRUP, K. DANE, US
  - [71] CULLINAN AMBER CORP., US
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- [54] ENTERPRISE SERVER AND METHOD WITH UNIVERSAL BYPASS MECHANISM FOR AUTOMATICALLY TESTING REAL-TIME COMPUTER SECURITY SERVICES**
- [54] SERVEUR ET PROCEDE D'ENTREPRISE A MECANISME DE CONTOURNEMENT DESTINES A EPROUVER UN MICROSERVICE DE CYBERSECURITE EN TEMPS REEL AVEC DES DONNEES EN DIRECT**
- [72] FOX, JUSTINE CELESTE, CA
- [72] KHERA, SUNITA, CA
- [72] FU, LIAN JIANG, CA
- [72] MCGEE, PERRY, CA
- [72] OPUSHNYEV, IGOR, CA
- [71] MASTERCARD TECHNOLOGIES CANADA ULC, CA
- [85] 2023-06-15
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**[21] 3,202,401**  
[13] A1

[51] Int.Cl. B65D 71/42 (2006.01)  
[25] EN  
[54] ARTICLE CARRIER AND BLANK THEREFOR  
[54] SUPPORT D'ARTICLE ET EBAUCHE CORRESPONDANTE  
[72] MERZEAU, JULIEN, FR  
[71] WESTROCK PACKAGING SYSTEMS, LLC, US  
[85] 2023-06-15  
[86] 2021-12-15 (PCT/US2021/063613)  
[87] (WO2022/132969)  
[30] US (63/126,347) 2020-12-16  
[30] US (63/244,899) 2021-09-16

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**[21] 3,202,406**  
[13] A1

[51] Int.Cl. C07D 209/32 (2006.01) A61P 25/06 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01) C07B 41/06 (2006.01) C07B 41/12 (2006.01) C07B 45/04 (2006.01) C07D 471/04 (2006.01) C07D 471/14 (2006.01) C07D 487/22 (2006.01) C07H 17/02 (2006.01) C07H 17/08 (2006.01)  
[25] EN  
[54] MODIFIED INDOLE ALKALOIDS FOR THERAPEUTIC USES  
[54] ALCALOIDES INDOLIQUES MODIFIES POUR UTILISATIONS THERAPEUTIQUES  
[72] PROTZKO, RYAN, US  
[71] COMPASS PATHWAYS LIMITED, GB  
[85] 2023-06-15  
[86] 2021-12-17 (PCT/US2021/064209)  
[87] (WO2022/13314)  
[30] US (63/127,852) 2020-12-18  
[30] US (63/163,590) 2021-03-19

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**[21] 3,202,408**  
[13] A1

[51] Int.Cl. C07D 311/80 (2006.01) C07C 215/40 (2006.01) C07D 453/04 (2006.01) C07D 487/08 (2006.01)  
[25] EN  
[54] FACILE PURIFICATION OF CANNABINOID ACIDS  
[54] PURIFICATION FACILE D'ACIDES CANNABINOÏDES  
[72] FINLEY, MATTHEW HAVIS, US  
[71] FINLEY, MATTHEW HAVIS, US  
[85] 2023-06-15  
[86] 2021-12-20 (PCT/US2021/064468)  
[87] (WO2022/133362)  
[30] US (63/127,466) 2020-12-18

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**[21] 3,202,414**  
[13] A1

[51] Int.Cl. A01N 47/44 (2006.01) A01N 63/25 (2020.01) A01N 35/04 (2006.01) A01N 37/38 (2006.01) A01N 37/50 (2006.01) A01N 43/10 (2006.01) A01N 43/30 (2006.01) A01N 43/32 (2006.01) A01N 43/40 (2006.01) A01N 43/50 (2006.01) A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01N 43/653 (2006.01) A01N 43/80 (2006.01) A01N 43/88 (2006.01) A01N 47/12 (2006.01) A01N 47/14 (2006.01) A01N 47/34 (2006.01) A01N 57/12 (2006.01)  
[25] EN

[54] MIXTURES AND COMPOSITIONS COMPRISING FUSARICIDIN A, FUSARICIDIN B AND FUNGICIDES

[54] MELANGES ET COMPOSITIONS COMPRENANT DE LA FUSARICIDINE A, DE LA FUSARICIDINE B ET DES FONGICIDES

[72] STIERL, REINHARD, DE  
[72] LIEBMANN, BURGHARD, DK  
[72] BRAHM, LUTZ, DE  
[71] BASF SE, DE  
[85] 2023-06-15  
[86] 2021-12-13 (PCT/EP2021/085516)  
[87] (WO2022/136003)  
[30] EP (20216798.7) 2020-12-23

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**[21] 3,202,417**  
[13] A1

[51] Int.Cl. G21F 1/08 (2006.01) B22F 1/054 (2022.01)

[25] EN  
[54] ON THE DESIGN OF A COMPOSITE HYDRIDE-METAL TO ACCOMMODATE HYDRIDE DECOMPOSITION

[54] CONCEPTION D'UN COMPOSITE HYDRURE-METAL ADAPTE A LA DECOMPOSITION D'HYDRURE

[72] DAVIS, THOMAS, GB  
[72] MIDDLEBURGH, SIMON, GB  
[71] TOKAMAK ENERGY LTD, GB  
[85] 2023-06-15  
[86] 2021-11-30 (PCT/EP2021/083660)  
[87] (WO2022/128456)  
[30] GB (2019903.0) 2020-12-16

**[21] 3,202,423**  
[13] A1

[51] Int.Cl. C12Q 1/686 (2018.01) B01F 33/302 (2022.01)

[25] EN  
[54] APPARATUS AND METHOD FOR QUANTIFYING ENVIRONMENTAL DNA WITH NO SAMPLE PREPARATION

[54] APPAREIL ET PROCEDE DE QUANTIFICATION D'ADN ENVIRONNEMENTAL SANS PREPARATION D'ECHANTILLON

[72] YOUNGBULL, AARON CODY, US  
[72] ELSER, JAMES JOSEPH, US  
[71] UNIVERSITY OF MONTANA, US  
[85] 2023-06-15  
[86] 2021-12-16 (PCT/US2021/063927)  
[87] (WO2022/133152)  
[30] US (63/126,784) 2020-12-17

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**[21] 3,202,424**  
[13] A1

[51] Int.Cl. C07D 491/107 (2006.01)

[25] EN  
[54] PROCESS FOR PREPARING SHP2 INHIBITORS

[54] PROCEDE DE PREPARATION D'INHIBITEURS DE SHP2

[72] ARNOLD, MICKAEL, US  
[72] BALLMER, STEVEN G., US  
[72] GARNIER, CELINE, US  
[72] LESZCZAK, JEAN-PIERRE, US  
[72] LI, SHAOLING, US  
[71] GENZYME CORPORATION, US  
[71] REVOLUTION MEDICINES, INC., US  
[85] 2023-06-15  
[86] 2021-12-17 (PCT/US2021/064040)  
[87] (WO2022/133217)  
[30] US (63/127,957) 2020-12-18  
[30] US (63/215,820) 2021-06-28

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**[21] 3,202,425**

[13] A1

- [51] Int.Cl. C22B 1/00 (2006.01) C22B 21/00 (2006.01) C22C 21/00 (2006.01)
  - [25] EN
  - [54] METHODS FOR PROCESSING MACHINING CHIPS COMPRISING ALUMINUM-LITHIUM ALLOY
  - [54] PROCEDES DE TRAITEMENT DE COPEAUX D'USINAGE COMPRENANT UN ALLIAGE D'ALUMINIUM-LITHIUM
  - [72] MYDLAND, BRENT L., US
  - [72] KRUZYNSKI, GREGG E., US
  - [72] THORNBURGH, ANTHONY L., US
  - [72] WILLIAMS, EDWARD M., US
  - [71] ARCONIC TECHNOLOGIES LLC, US
  - [85] 2023-06-15
  - [86] 2022-01-18 (PCT/US2022/012740)
  - [87] (WO2022/159374)
  - [30] US (63/139,007) 2021-01-19
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**[21] 3,202,426**

[13] A1

- [51] Int.Cl. F16K 17/00 (2006.01) F16K 31/00 (2006.01) F16K 31/02 (2006.01) F16K 37/00 (2006.01) F17D 5/00 (2006.01) F17D 5/02 (2006.01) F17D 5/06 (2006.01)
- [25] EN
- [54] AUTOMATIC CLOSING VALVE
- [54] SOUPAPE DE FERMETURE AUTOMATIQUE
- [72] MARTINEZ PEREZ, CESAR EDUARDO, MX
- [72] ARREOLA LEAL, JORGE, MX
- [71] MARTINEZ PEREZ, CESAR EDUARDO, MX
- [71] ARREOLA LEAL, JORGE, MX
- [85] 2023-06-15
- [86] 2021-12-17 (PCT/IB2021/061959)
- [87] (WO2022/130336)
- [30] MX (MX/U/2020/000705) 2020-12-18

**[21] 3,202,429**

[13] A1

- [51] Int.Cl. G01N 30/02 (2006.01) G01N 33/68 (2006.01)
  - [25] EN
  - [54] METHODS FOR IDENTIFICATION OF SCRAMBLED DISULFIDES IN BIOMOLECULES
  - [54] PROCEDES D'IDENTIFICATION DE DISULFURES BROUILLES DANS DES BIOMOLECULES
  - [72] KLEINBERG, ANDREW, US
  - [72] MAO, YUAN, US
  - [71] REGENERON PHARMACEUTICALS, INC., US
  - [85] 2023-06-15
  - [86] 2021-12-17 (PCT/US2021/064116)
  - [87] (WO2022/133262)
  - [30] US (63/128,146) 2020-12-20
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**[21] 3,202,430**

[13] A1

- [51] Int.Cl. A61K 8/34 (2006.01) A61K 8/99 (2017.01) A61K 31/202 (2006.01) A61P 39/06 (2006.01)
- [25] EN
- [54] GLYCOSYLATED BACTERIORUBERINS AND INDUSTRIAL APPLICATIONS THEREOF
- [54] BACTERIORUBERINES GLYCOSYLEES ET LEURS APPLICATIONS INDUSTRIELLES
- [72] THOREL, JEAN-NOEL, FR
- [72] RADMAN, MIROSLAV, FR
- [71] NAOS INSTITUTE OF LIFE SCIENCE, FR
- [71] THOREL, JEAN-NOEL, FR
- [71] RADMAN, MIROSLAV, FR
- [85] 2023-06-15
- [86] 2021-12-16 (PCT/EP2021/086269)
- [87] (WO2022/129382)

**[21] 3,202,432**

[13] A1

- [51] Int.Cl. A23G 1/32 (2006.01) A23G 3/36 (2006.01) A23G 4/04 (2006.01) C07C 51/43 (2006.01)
  - [25] EN
  - [54] PARTICULATE COMPOSITION CONTAINING CO-CRYSTAL OF MALIC ACID AND ALKALI METAL HYDROGEN MALATE
  - [54] COMPOSITION PARTICULAIRE CONTENANT UN CO-CRISTAL D'ACIDE MALIQUE ET DE MALATE D'HYDROGENE DE METAL ALCALIN
  - [72] MARMOLEJO, CYNTHIA BERENICE, NL
  - [72] ORLOVIC, MARIJA, NL
  - [72] NEO, HAI LING HAZELINE, NL
  - [72] HOUWELINGEN-DE JONG, DIRKJE, NL
  - [72] VAN ARENDONK, WILLY GIJSBERTA CORNELIA, NL
  - [71] PURAC BIOCHEM B.V., NL
  - [85] 2023-06-15
  - [86] 2021-12-14 (PCT/EP2021/085727)
  - [87] (WO2022/129072)
  - [30] EP (20215219.5) 2020-12-17
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**[21] 3,202,433**

[13] A1

- [51] Int.Cl. A61L 15/28 (2006.01) A61K 31/198 (2006.01) A61K 31/785 (2006.01)
- [25] EN
- [54] METHOD FOR THE MANUFACTURE OF A WOUND CARE PRODUCT, AND WOUND CARE PRODUCT
- [54] PROCEDE DE FABRICATION D'UN PRODUIT DE SOIN DES PLAIES ET PRODUIT DE SOIN DES PLAIES
- [72] LEEB, TINA, AT
- [72] ROLJIC, MILIJANA, AT
- [72] PANHOLZL, CHRISTOPHER, AT
- [72] SCHIPALI, STEFANIE, AT
- [72] HARREITHER, WOLFGANG, AT
- [72] BUCHEGGER, PATRICIA, AT
- [71] LOHMANN & RAUSCHER GMBH, AT
- [85] 2023-06-15
- [86] 2021-12-14 (PCT/EP2021/085616)
- [87] (WO2022/128996)
- [30] DE (10 2020 133 583.0) 2020-12-15

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<p>[21] <b>3,202,434</b> [13] A1</p> <p>[51] Int.Cl. A61B 90/70 (2016.01) A61L 2/28 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR MIRRORING CONDITIONS ASSOCIATED WITH A MEDICAL DEVICE REPROCESSOR</p> <p>[54] SYSTEME ET PROCEDE DE MIROITAGE DE CONDITIONS ASSOCIEES A UN DISPOSITIF DE RETRAITEMENT DE DISPOSITIF MEDICAL</p> <p>[72] COKER, CHRISTOPHER C., US</p> <p>[71] ASP GLOBAL MANUFACTURING GMBH, CH</p> <p>[85] 2023-06-15</p> <p>[86] 2021-12-02 (PCT/IB2021/000854)</p> <p>[87] (WO2022/130012)</p> <p>[30] US (63/126,614) 2020-12-17</p>
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<p>[21] <b>3,202,435</b> [13] A1</p> <p>[51] Int.Cl. A24F 40/465 (2020.01) A24F 40/20 (2020.01)</p> <p>[25] EN</p> <p>[54] HEATING ASSEMBLY AND AEROSOL GENERATING DEVICE COMPRISING THE SAME</p> <p>[54] ENSEMBLE DE CHAUFFAGE ET DISPOSITIF DE GENERATION D'AEROSOL LE COMPRENANT</p> <p>[72] SEO, JANG WON, KR</p> <p>[72] JUNG, JIN CHUL, KR</p> <p>[72] JANG, CHUL HO, KR</p> <p>[72] GO, GYOUNG MIN, KR</p> <p>[72] BAE, HYUNG JIN, KR</p> <p>[72] JEONG, JONG SEONG, KR</p> <p>[71] KT&amp;G CORPORATION, KR</p> <p>[85] 2023-06-15</p> <p>[86] 2022-10-26 (PCT/KR2022/016446)</p> <p>[87] (WO2023/075401)</p> <p>[30] KR (10-2021-0143730) 2021-10-26</p>
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<p>[21] <b>3,202,438</b> [13] A1</p> <p>[51] Int.Cl. A01N 43/42 (2006.01) A01N 65/08 (2009.01) A01N 65/12 (2009.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS AND METHODS FOR CONTROLLING INSECTS</p> <p>[54] COMPOSITIONS ET PROCEDES POUR LUTTER CONTRE DES INSECTES</p> <p>[72] SHAKEEL, AMEER HAMZA, US</p> <p>[72] ZOMORODI, SEPEHR, US</p> <p>[72] CARBALLO, SERGIO, US</p> <p>[72] POURTAHERI, PAYAM, US</p> <p>[72] FRANK, JOSEPH, US</p> <p>[71] AGROSPHERES, INC., US</p> <p>[85] 2023-06-15</p> <p>[86] 2021-12-22 (PCT/US2021/065010)</p> <p>[87] (WO2022/140639)</p> <p>[30] US (63/129,465) 2020-12-22</p>
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<p>[21] <b>3,202,439</b> [13] A1</p> <p>[51] Int.Cl. C08F 2/38 (2006.01) C08F 8/00 (2006.01) C08F 265/10 (2006.01)</p> <p>[25] EN</p> <p>[54] MACROMONOMER, METHOD FOR OBTAINING SAME AND COPOLYMER CONTAINING SAME</p> <p>[54] MACROMONOMERE, SON PROCEDE D'OBTENTION ET LE COPOLYMORE LE CONTENANT</p> <p>[72] FAVERO, CEDRICK, FR</p> <p>[72] BRAUN, OLIVIER, FR</p> <p>[72] READ, EMMANUELLE, FR</p> <p>[72] LEBLANC, THIERRY, FR</p> <p>[72] KIEFFER, JOHANN, FR</p> <p>[71] SNF GROUP, FR</p> <p>[85] 2023-06-15</p> <p>[86] 2021-12-13 (PCT/FR2021/052310)</p> <p>[87] (WO2022/129768)</p> <p>[30] FR (FR2013535) 2020-12-17</p>
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<p>[21] <b>3,202,440</b> [13] A1</p> <p>[51] Int.Cl. F01D 5/30 (2006.01)</p> <p>[25] EN</p> <p>[54] GAS TURBINE BLADE AND ROTOR WEAR-PROTECTION SYSTEM</p> <p>[54] AUBE DE TURBINE A GAZ ET SYSTEME DE PROTECTION CONTRE L'USURE DE ROTOR</p> <p>[72] PALUMBO, GINO, CA</p> <p>[72] TOMANTSCHGER, KLAUS, CA</p> <p>[72] MCCREA, JONATHAN, CA</p> <p>[72] LIMOGES, DAVID LIONEL, CA</p> <p>[71] INTEGRAN TECHNOLOGIES INC., CA</p> <p>[85] 2023-06-15</p> <p>[86] 2021-11-12 (PCT/CA2021/051607)</p> <p>[87] (WO2022/126241)</p> <p>[30] US (17/123,355) 2020-12-16</p>
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<p>[21] <b>3,202,441</b> [13] A1</p> <p>[51] Int.Cl. A61B 17/34 (2006.01) A61M 19/00 (2006.01) A61M 25/00 (2006.01)</p> <p>[25] EN</p> <p>[54] TRANSMYOCARDIAL JET PERFUSION DEVICE</p> <p>[54] DISPOSITIF DE PERFUSION A JET TRANSMYOCARDIQUE</p> <p>[72] BRADER, ERIC WILLIAM, US</p> <p>[71] BRADER, ERIC WILLIAM, US</p> <p>[85] 2023-06-15</p> <p>[86] 2021-12-15 (PCT/US2021/063509)</p> <p>[87] (WO2022/132896)</p> <p>[30] US (63/126,119) 2020-12-16</p> <p>[30] US (63/126,130) 2020-12-16</p> <p>[30] US (63/132,165) 2020-12-30</p> <p>[30] US (63/132,192) 2020-12-30</p>
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<p>[21] <b>3,202,442</b> [13] A1</p> <p>[51] Int.Cl. H01R 4/62 (2006.01)</p> <p>[25] EN</p> <p>[54] TERMINAL ASSEMBLY AND METHOD FOR FABRICATION THEREOF</p> <p>[54] ENSEMBLE BORNE ET SON PROCEDE DE FABRICATION</p> <p>[72] WANG, CHAO, CN</p> <p>[71] CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., CN</p> <p>[85] 2023-06-15</p> <p>[86] 2021-10-20 (PCT/CN2021/124846)</p> <p>[87] (WO2022/127345)</p> <p>[30] CN (202011488709.2) 2020-12-16</p>
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**[21] 3,202,443**

[13] A1

[51] Int.Cl. B65D 1/02 (2006.01)

[25] EN

[54] POLYMERIC CONTAINER  
INCLUDING A BODY WITH A  
PLURALITY OF OSCILLATIONS  
[54] CONTENANT POLYMER  
COMPRENANT UN CORPS AVEC  
UNE PLURALITE  
D'OSCILLATIONS

[72] SICILIANO, JOHN, US

[72] NUNNOLD, TYLER M., US

[72] LANE, MICHAEL T., US

[72] STELZER, JAMES, US

[72] DOLE, OMKAR, US

[71] AMCOR RIGID PACKAGING USA,  
LLC, US

[85] 2023-06-15

[86] 2020-12-16 (PCT/US2020/065240)

[87] (WO2022/132141)

**[21] 3,202,447**

[13] A1

[51] Int.Cl. A01N 63/00 (2020.01) A01N  
65/22 (2009.01) A01N 65/28 (2009.01)  
A01N 65/34 (2009.01)

[25] EN

[54] COMPOSITIONS AND METHODS  
FOR CONTROLLING FUNGI  
[54] COMPOSITIONS ET PROCEDES  
D'ELIMINATION DE  
CHAMPIGNONS

[72] SHAKEEL, AMEER HAMZA, US

[72] ZOMORODI, SEPEHR, US

[72] CARBALLO, SERGIO, US

[72] POURTAHERI, PAYAM, US

[72] FRANK, JOSEPH, US

[71] AGROSPHERES, INC., US

[85] 2023-06-15

[86] 2021-12-22 (PCT/US2021/065009)

[87] (WO2022/140638)

[30] US (63/129,435) 2020-12-22

**[21] 3,202,449**

[13] A1

[51] Int.Cl. G06Q 10/06 (2023.01) G06Q  
10/08 (2023.01)

[25] EN

[54] SYSTEM AND METHOD FOR  
RAILROAD TIE MANAGEMENT  
[54] SYSTEME ET PROCEDE DE  
GESTION DE TRAVERSES DE  
VOIE FERREE

[72] BRICK, MICHAEL JAMES, US

[72] MINTON, SAMUEL, US

[72] PICKARD, CHRISTOPHER NEIL, US

[72] HUNT, PHILLIP, US

[72] DEVINE, JUSTIN LEE, US

[71] BNSF RAILWAY COMPANY, US

[85] 2023-06-15

[86] 2021-12-16 (PCT/US2021/063710)

[87] (WO2022/133032)

[30] US (17/124,824) 2020-12-17

**[21] 3,202,444**

[13] A1

[51] Int.Cl. A61N 2/10 (2006.01)

[25] EN

[54] TRANSCRANIAL MAGNETIC  
STIMULATOR

[54] DISPOSITIF STIMULATEUR  
MAGNETIQUE TRANSCRANIEN

[72] NAKAMURA, HITOSHI, JP

[72] NANDOH, KENJI, JP

[71] TEIJIN PHARMA LIMITED, JP

[85] 2023-06-15

[86] 2021-12-09 (PCT/JP2021/045288)

[87] (WO2022/131118)

[30] JP (2020-208513) 2020-12-16

**[21] 3,202,446**

[13] A1

[51] Int.Cl. G06F 21/57 (2013.01) H04L  
9/40 (2022.01) H04L 67/02 (2022.01)

[25] EN

[54] AUTOMATED DETECTION OF  
CROSS SITE SCRIPTING  
ATTACKS

[54] DETECTION AUTOMATISEE  
D'ATTAQUES PAR SCRIPT  
INTER-SITES

[72] GUPTA, SATYA V., US

[71] VIRSEC SYSTEMS, INC., US

[85] 2023-06-15

[86] 2021-12-30 (PCT/US2021/073197)

[87] (WO2022/147474)

[30] US (63/133,173) 2020-12-31

**[21] 3,202,448**

[13] A1

[51] Int.Cl. G06F 21/57 (2013.01) G06F  
8/40 (2018.01) H04L 9/40 (2022.01)

[25] EN

[54] PROTECTING AGAINST  
MEMORY DESERIALIZATION  
ATTACKS

[54] PROTECTION CONTRE DES  
ATTAQUES DE  
DESERIALISATION DE  
MEMOIRE

[72] GUPTA, SATYA V., US

[71] VIRSEC SYSTEMS, INC., US

[85] 2023-06-15

[86] 2021-12-30 (PCT/US2021/073187)

[87] (WO2022/147466)

[30] US (63/132,764) 2020-12-31

**[21] 3,202,451**

[13] A1

[51] Int.Cl. C08G 63/20 (2006.01) C08G  
63/21 (2006.01)

[25] EN

[54] POLYESTER POLYMER

[54] POLYMER DE POLYESTER

[72] LAMERS, PAUL HUBERT, US

[72] VERARDI, CHRISTOPHER A., US

[72] MOROW, KAREN A., US

[72] LANDIS, CHAD ALAN, US

[72] WO, YAQI, US

[72] STIBBARD, MITCHELL R., US

[72] WANG, WEI, US

[72] BARANCYK, STEVEN V., US

[72] TYEBJEE, SHIRYN, US

[72] RO, HYUN WOOK, US

[72] TUCKER, MARK A., US

[72] YARZEBINSKI, ANDREW JAMES,  
US

[71] PPG INDUSTRIES OHIO, INC., US

[85] 2023-06-15

[86] 2021-12-28 (PCT/US2021/065339)

[87] (WO2022/147004)

[30] US (63/130,966) 2020-12-28

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<p>[21] <b>3,202,453</b> [13] A1</p> <p>[51] Int.Cl. G06F 8/70 (2018.01) G06Q 10/08 (2023.01) H04L 41/12 (2022.01)</p> <p>[25] EN</p> <p>[54] APPLICATION AWARE SOFTWARE ASSET INVENTORY</p> <p>[54] INVENTAIRE D'ACTIFS LOGICIELS SENSIBLES A UNE APPLICATION</p> <p>[72] GUPTA, SATYA V., US</p> <p>[71] VIRSEC SYSTEMS, INC., US</p> <p>[85] 2023-06-15</p> <p>[86] 2021-12-30 (PCT/US2021/073201)</p> <p>[87] (WO2022/147478)</p> <p>[30] US (63/132,894) 2020-12-31</p> <p>[30] IN (202141002208) 2021-01-18</p> <p>[30] US (63/155,466) 2021-03-02</p>
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- [54] COMPOSITIONS DE PROTOPARVOVIRUS ET DE TETRAPARVOVIRUS ET METHODES DE THERAPIE GENIQUE
- [72] KOTIN, ROBERT, US
- [72] AGUIRRE, SEBASTIAN, US
- [71] SYNTENY THERAPEUTICS, INC., US
- [85] 2023-06-15
- [86] 2021-12-23 (PCT/US2021/065108)
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- [25] EN
- [54] SELF GUIDED LINEAR INDUCTION MOTOR SYSTEM AND METHOD
- [54] SYSTEME ET PROCEDE DE MOTEUR A INDUCTION LINEAIRE AUTOGUIDE
- [72] RENEDO ANGLADA, JAIME, US
- [72] BUENO-BAQUES, DARIO, US
- [71] SWISSPOD TECHNOLOGIES SA, CH
- [85] 2023-06-15
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- [25] EN
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- [54] ESTERS D'ACIDE DICARBOXYLIQUE DESTINES A INDUIRE UN EFFET ANALGESIQUE
- [72] STREEPER, ROBERT T., US
- [72] IZBICKA, ELZBIETA, US
- [71] NEW FRONTIER LABS, LLC, US
- [85] 2023-06-15
- [86] 2021-12-16 (PCT/IB2021/061872)
- [87] (WO2022/130288)
- [30] US (63/126,387) 2020-12-16

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- [25] EN
- [54] SMOKE GENERATING AND FILTERING DEVICE, AND E-HOOKAH
- [54] DISPOSITIF DE GENERATION ET DE FILTRATION DE FUMEE ET E-NARGUILE
- [72] LIU, TUANFANG, CN
- [71] SHENZHEN ELGATE TECHNOLOGY CO., LTD., CN
- [85] 2023-06-15
- [86] 2021-12-14 (PCT/CN2021/137898)
- [87] (WO2022/127784)
- [30] CN (202011471675.6) 2020-12-15
- [30] CN (202023007971.9) 2020-12-15
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- [25] EN
- [54] METHOD AND SYSTEM FOR ONLINE CONTENTS REGISTRATION AND TRANSACTION BASED ON USER ACTIVE SELECTION
- [54] PROCEDE D'ENREGISTREMENT ET DE TRANSACTION DE CONTENU EN LIGNE BASE SUR UNE SELECTION ACTIVE PAR UN UTILISATEUR ET SYSTEME ASSOCIE
- [72] KIM, SEOK HWAN, KR
- [71] KIM, SEOK HWAN, KR
- [85] 2023-06-15
- [86] 2021-08-10 (PCT/KR2021/010612)
- [87] (WO2022/131475)
- [30] KR (10-2020-0175381) 2020-12-15

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[25] EN
[54] PROTECTING VALVE PARTS FROM EROSION
[54] PROTECTION DE PARTIES DE SOUPAPE CONTRE L'EROSION
[72] VLASSOFF, CYRIL NICOLAS, US
[72] YATES, CHAD ERIC, US
[72] DODAN, GHEORGE, US
[72] ANISIMOV, MIKHAIL, US
[72] CHEN, WEI, US
[72] CACHINHASKY, ALEXANDRE SERRA, US
[71] DRESSER, LLC, US
[85] 2023-06-15
[86] 2021-12-14 (PCT/US2021/063260)
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[25] EN
[54] PROCESS FOR PREPARING 1-AMINO-1-CYCLOPROPANECARBOXYLIC ACID GRANULES
[54] PROCESSUS DE PREPARATION DE GRANULES D'ACIDE 1-AMINO-1-CYCLOPROPANE CARBOXYLIQUE
[72] SHARMA, PARVESH, US
[72] ZHEN, YUEQIAN, US
[72] LOPEZ, JOHN, US
[72] SASAKAWA, MITSUHIRO, US
[71] VALENT BIOSCIENCES LLC, US
[85] 2023-06-15
[86] 2022-02-01 (PCT/US2022/014660)
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[30] US (63/144,341) 2021-02-01

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[51] Int.Cl. A61K 9/02 (2006.01) A61K 31/05 (2006.01)
[25] EN
[54] A DELIVERY SYSTEM FOR A PHARMACEUTICAL, HOLISTIC OR MEDICINAL COMPONENT
[54] SYSTEME D'ADMINISTRATION D'UN COMPOSANT PHARMACEUTIQUE, HOLISTIQUE OU MEDICINAL
[72] BUSS, PAUL, US
[72] KINNEY, JAMES, US
[71] HERPHORIC, INC, US
[85] 2023-06-15
[86] 2022-01-14 (PCT/US2022/012427)
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[51] Int.Cl. G06Q 10/04 (2023.01) G06N 20/00 (2019.01) G06Q 40/02 (2023.01)
[25] EN
[54] PREDICTING TARGETED FUTURE ENGAGEMENT USING TRAINED ARTIFICIAL INTELLIGENCE PROCESSES
[54] PREDICTION D'ENGAGEMENT FUTUR CIBLE UTILISANT DES PROCEDES D'INTELLIGENCE ARTIFICIELLE ENTRAINEE
[72] WHELAN, PATRICK JAMES, CA
[72] WONG, ANSON WAH CHUN, CA
[72] VOLKOVS, MAKSIMS, CA
[72] POUTANEN, TOMI JOHAN, CA
[71] THE TORONTO-DOMINION BANK, CA
[85] 2023-06-15
[86] 2021-11-18 (PCT/CA2021/051629)
[87] (WO2022/140840)
[30] US (63/132,981) 2020-12-31
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[51] Int.Cl. B01J 8/12 (2006.01) B01J 8/26 (2006.01) B01J 38/30 (2006.01) C10G 11/18 (2006.01)
[25] EN
[54] SUPPORTED RISER APPARATUSES
[54] APPAREILS DE COLONNE MONTANTE SUPPORTES
[72] PRETZ, MATTHEW T., US
[72] SHAW, DONALD F., US
[72] SANDOVAL, FERMIN ALEJANDRO, US
[72] WALTER, RICHARD EDWARDS, US
[72] MEZA, ALBERT, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2023-06-15
[86] 2021-12-14 (PCT/US2021/063211)
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[25] EN
[54] DOWNHOLE DRAG REDUCTION APPARATUS
[54] APPAREIL DE REDUCTION DE TRAINEE DE FOND DE TROU
[72] MOYES, PETER BARNES, GB
[71] ROTOJAR INNOVATIONS LIMITED, GB
[85] 2023-06-15
[86] 2021-12-16 (PCT/EP2021/086311)
[87] (WO2022/129412)
[30] GB (2019918.8) 2020-12-16
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[13] A1

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[25] EN  
[54] AQUEOUS ABSORPTION MEDIUM FOR REMOVAL OF ACID GASES  
[54] MILIEU D'ABSORPTION AQUEUX POUR L'ELIMINATION DES GAZ ACIDES  
[72] DOWDLE, JOHN R., US  
[72] KUVADIA, ZUBIN B., US  
[72] GOODMAN, AMANDA M., US  
[72] CRISTANCHO, DIEGO E., US  
[72] LAZAR, SIMONE T., US  
[71] DOW GLOBAL TECHNOLOGIES LLC, US  
[85] 2023-06-15  
[86] 2021-12-14 (PCT/US2021/063188)  
[87] (WO2022/132684)  
[30] US (63/126,012) 2020-12-16

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[13] A1

[51] Int.Cl. G01N 15/10 (2006.01) G01N 15/12 (2006.01) G01N 15/14 (2006.01) G01N 21/64 (2006.01) G01N 21/65 (2006.01) G01N 21/77 (2006.01)  
[25] EN  
[54] SYSTEM AND METHOD FOR CALIBRATING A PARTICLE MONITORING SENSOR  
[54] SYSTEME ET PROCEDE D'ETALONNAGE D'UN CAPTEUR DE SURVEILLANCE DE PARTICULES  
[72] WEAR, DANIEL G., US  
[72] SHIM, THOMAS K., US  
[71] CATERPILLAR INC., US  
[85] 2023-06-15  
[86] 2021-12-14 (PCT/US2021/063174)  
[87] (WO2022/132673)  
[30] US (17/124,031) 2020-12-16

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[13] A1

[51] Int.Cl. G01N 15/06 (2006.01) G01N 15/14 (2006.01) G01N 21/01 (2006.01) G01N 21/53 (2006.01) G01N 21/84 (2006.01) G01N 21/85 (2006.01)  
[25] EN  
[54] SYSTEM AND METHOD FOR PROCESSING DATA FROM A PARTICLE MONITORING SENSOR  
[54] SYSTEME ET PROCEDE DE TRAITEMENT DE DONNEES PROVENANT D'UN CAPTEUR DE SURVEILLANCE DE PARTICULES  
[72] WEAR, DANIEL G., US  
[72] SHIM, TOM K., US  
[72] CARPENTER, RICHARD A., US  
[72] WALTON, KYLE B., US  
[71] CATERPILLAR INC., US  
[85] 2023-06-15  
[86] 2021-12-13 (PCT/US2021/062999)  
[87] (WO2022/132605)  
[30] US (17/124,082) 2020-12-16

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[13] A1

[51] Int.Cl. G01N 33/543 (2006.01) G01N 33/569 (2006.01) G01N 33/58 (2006.01)  
[25] EN  
[54] LIPOSOME-RECEPTOR-ASSAY FOR DETECTING NEUTRALIZING ANTIBODIES  
[54] DOSAGE DE RECEPTEUR DE LIPOSOME POUR LA DETECTION D'ANTICORPS NEUTRALISANTS  
[72] BAUMNER, ANTJE, DE  
[72] STEINER, MARK-STEVEN, DE  
[72] PAULY, DIANA, DE  
[72] WAGNER, RALF, DE  
[71] UNIVERSITAET REGENSBURG, DE  
[85] 2023-06-15  
[86] 2021-12-22 (PCT/EP2021/087352)  
[87] (WO2022/136576)  
[30] EP (20217081.7) 2020-12-23

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[13] A1

[51] Int.Cl. A23J 1/14 (2006.01) A23L 11/30 (2016.01) A23L 29/10 (2016.01)  
[25] EN  
[54] PEA PROTEIN EMULSIFIER  
[54] EMULSIFIANT A BASE DE PROTEINE DE POIS  
[72] BOMONT, CATHERINE, US  
[72] JENNICH, CAROLYN, US  
[72] NAGULESWARAN, NAGUL, US  
[72] YANG, XIN, US  
[72] YEUNG, TIMOTHY, US  
[72] ZHANG, CHRISTOPHER, US  
[71] CORN PRODUCTS DEVELOPMENT, INC., US  
[85] 2023-06-15  
[86] 2021-11-29 (PCT/US2021/060922)  
[87] (WO2022/132420)  
[30] US (63/126,339) 2020-12-16

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[13] A1

[51] Int.Cl. C12Q 1/6886 (2018.01)  
[25] EN  
[54] METHOD OF IDENTIFYING AND TREATING MITOCHONDRIAL SUBTYPE TUMORS  
[54] PROCEDE D'IDENTIFICATION ET DE TRAITEMENT DE TUMEURS DE SOUS-TYPE MITOCHONDRIAL  
[72] IAVARONE, ANTONIO, US  
[72] LASORELLA, ANNA, US  
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US  
[85] 2023-06-15  
[86] 2021-12-22 (PCT/US2021/064991)  
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[51] Int.Cl. B65B 5/00 (2006.01) B65B 5/06 (2006.01) B65B 5/08 (2006.01) B65B 5/10 (2006.01) B65B 21/02 (2006.01) B65B 21/04 (2006.01) B65B 21/06 (2006.01)  
[25] EN  
[54] METHOD OF PACKING VARIETY PACKS OF BEVERAGES  
[54] PROCEDE D'EMBALLAGE DE DIVERS CONDITIONNEMENTS DE BOISSONS  
[72] DE LA ROSA, MARK, US  
[72] PETRIE, RICH, US  
[72] GRASS, CARL, US  
[72] MORGAN, AL, US  
[71] ANHEUSER-BUSCH, LLC, US  
[85] 2023-06-15  
[86] 2021-12-14 (PCT/US2021/072910)  
[87] (WO2022/133437)  
[30] US (63/126,232) 2020-12-16  
[30] US (17/643,961) 2021-12-13

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[13] A1

[51] Int.Cl. C07D 417/12 (2006.01) A61K 31/4439 (2006.01)  
[25] EN  
[54] AMINOTHIAZOLE COMPOUNDS AS C-KIT INHIBITORS  
[54] COMPOSES D'AMINOTHIAZOLE UTILISES EN TANT QU'INHIBITEURS DE C-KIT  
[72] DALGARNO, DAVID C., US  
[72] HUANG, WEI-SHENG, US  
[72] SHAKESPEARE, WILLIAM C., US  
[71] THESEUS PHARMACEUTICALS, INC., US  
[85] 2023-06-16  
[86] 2022-01-05 (PCT/US2022/011306)  
[87] (WO2022/150384)  
[30] US (63/134,469) 2021-01-06

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[13] A1

[51] Int.Cl. A61K 9/48 (2006.01) A61K 31/135 (2006.01) A61P 25/24 (2006.01)  
[25] EN  
[54] ORAL COMPOSITIONS COMPRISING KETAMINE COMBINED WITH SUBCUTANEOUS OR INTRAVENOUS KETAMINE FOR USE IN THE TREATMENT, CONTROL OR PREVENTION OF DEPRESSIVE DISORDERS  
[54] COMPOSITIONS ORALES COMPRENANT DE LA KETAMINE COMBINEE A DE LA KETAMINE SOUS-CUTANEE OU INTRAVEINEUSE POUR UTILISATION DANS LE TRAITEMENT, LE CONTROLE OU LA PREVENTION DES TROUBLES DEPRESSIFS  
[72] REILLY, CARMEL, GB  
[72] JURUENA, MARIO FRANCISCO PEREIRA, GB  
[71] NEUROCENTRX PHARMA LTD., GB  
[85] 2023-06-16  
[86] 2021-12-17 (PCT/GB2021/053345)  
[87] (WO2022/129932)  
[30] GB (2019952.7) 2020-12-17

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[13] A1

[51] Int.Cl. A61K 47/64 (2017.01)  
[25] EN  
[54] PEPTIDE-LINKED DRUG DELIVERY SYSTEM  
[54] SYSTEME D'ADMINISTRATION DE MEDICAMENTS A LIAISON PEPTIDIQUE  
[72] LAW, SHEK HANG BENEDICT, US  
[72] BELLAT, VANESSA, US  
[72] CHOI, BENJAMIN BYUNG-MIN, US  
[71] CORNELL UNIVERSITY, US  
[71] TU THERAPEUTICS INC., US  
[85] 2023-06-16  
[86] 2021-12-20 (PCT/US2021/064419)  
[87] (WO2022/140289)  
[30] US (63/128,509) 2020-12-21  
[30] US (63/254,754) 2021-10-12

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[13] A1

[51] Int.Cl. G06Q 10/06 (2023.01)  
[25] EN  
[54] COMPUTER-IMPLEMENTED MONITORING METHODS AND SYSTEMS FOR A RENEWABLES PLANT  
[54] PROCEDES ET SYSTEMES DE SURVEILLANCE MIS EN ?UVRE PAR ORDINATEUR POUR UNE INSTALLATION DE SOURCE D'ENERGIE RENOUVELABLE  
[72] WILBEK, FIE ALICE HALLKVIST, DK  
[72] RASMUSSEN, HENRIK WOLTHERS, US  
[72] BOJSEN, ANDERS ERIK, SE  
[72] HOVGAARD, LIV, DK  
[72] GALLARDO, THOR, US  
[72] VERDIER, SYLVAIN, DK  
[72] ALKILDE, OLE FREJ, DK  
[72] THAKKER, PRIYESH, US  
[72] MADSEN, MATHIAS BOJE, DK  
[71] TOPSOE A/S, DK  
[85] 2023-06-16  
[86] 2021-12-22 (PCT/EP2021/087238)  
[87] (WO2022/136522)  
[30] US (63/130,181) 2020-12-23  
[30] US (63/136,049) 2021-01-11

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[21] 3,202,553  
[13] A1

[51] Int.Cl. B65G 47/51 (2006.01)  
[25] EN  
[54] DEVICE AND METHOD FOR TRANSFERRING AND ACCUMULATING OBJECTS  
[54] DISPOSITIF ET PROCEDE DE TRANSFERT ET D'ACCUMULATION D'OBJETS  
[72] PRIERO, MARCO, IT  
[71] EUROPOOL - S.R.L., IT  
[85] 2023-06-16  
[86] 2021-11-16 (PCT/IB2021/060603)  
[87] (WO2022/136965)  
[30] IT (102020000032321) 2020-12-23

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  - [25] EN
  - [54] TREATMENT FOR LYSINE DEGRADATION-ASSOCIATED DISORDERS
  - [54] TRAITEMENT DE TROUBLES ASSOCIES A LA DEGRADATION DE LA LYSINE
  - [72] MILLS, PHILIPPA, GB
  - [72] ZHOU, HAIYAN, GB
  - [72] GISSEN, PAUL, GB
  - [72] VOOTUKURI, REDDY SREEKANTH, GB
  - [71] UCL BUSINESS LTD, GB
  - [85] 2023-06-16
  - [86] 2021-12-22 (PCT/GB2021/053413)
  - [87] (WO2022/136873)
  - [30] GB (2020549.8) 2020-12-23
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[13] A1

- [51] Int.Cl. C07K 16/10 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07H 21/02 (2006.01)
- [25] EN
- [54] NEUTRALIZING MONOCLONAL ANTIBODIES AGAINST COVID-19
- [54] ANTICORPS MONOCLONAUX DE NEUTRALISATION CONTRE LA COVID-19
- [72] STAMATATOS, LEONIDAS, US
- [72] MCGUIRE, ANDY, US
- [72] PANCERA, MARIE, US
- [72] FINZI, ANDRES, CA
- [71] VAL-CHUM, LIMITED PARTNERSHIP, CA
- [71] FRED HUTCHINSON CANCER CENTER, US
- [85] 2023-06-16
- [86] 2021-12-22 (PCT/CA2021/051873)
- [87] (WO2022/140845)
- [30] US (63/131,608) 2020-12-29
- [30] US (63/260,285) 2021-08-16

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[13] A1

- [51] Int.Cl. B25B 23/04 (2006.01) B25B 23/06 (2006.01) B25B 23/08 (2006.01) B25B 23/10 (2006.01)
  - [25] EN
  - [54] SCREW MAGAZINE AND COLLATING SCREWS
  - [54] MAGASIN A VIS ET REGROUPEMENT DE VIS
  - [72] TEBO, GLENN J., US
  - [71] TEBO, GLENN J., US
  - [85] 2023-06-16
  - [86] 2021-12-17 (PCT/US2021/072977)
  - [87] (WO2022/133481)
  - [30] US (63/127,546) 2020-12-18
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[13] A1

- [51] Int.Cl. C07D 401/14 (2006.01) A61K 31/4725 (2006.01) A61P 9/04 (2006.01) A61P 13/12 (2006.01) C07D 417/14 (2006.01)
- [25] EN
- [54] BENZOHETEROCYCLE SUBSTITUTED TETRAHYDROISOQUINOLINE COMPOUND
- [54] COMPOSE DE TETRAHYDROISOQUINOLEINE SUBSTITUE PAR UN BENZOHETEROCYCLE
- [72] GUO, SHUCHUN, CN
- [72] FAN, JUN, CN
- [72] WU, NAN, CN
- [72] FANG, ZHIHUA, CN
- [72] SHI, WENQIANG, CN
- [72] LIU, YANG, CN
- [72] PENG, JIANBIAO, CN
- [72] GUO, HAIBING, CN
- [71] SHANGHAI JEMINCARE PHARMACEUTICAL CO., LTD., CN
- [71] JIANGXI JEMINCARE GROUP CO., LTD, CN
- [85] 2023-06-16
- [86] 2021-12-17 (PCT/CN2021/139314)
- [87] (WO2022/127917)
- [30] CN (202011508096.4) 2020-12-18
- [30] CN (202110266745.2) 2021-03-11
- [30] CN (202111523273.0) 2021-12-13

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- [51] Int.Cl. H01M 8/0273 (2016.01) H01M 8/0286 (2016.01) H01M 8/242 (2016.01)
  - [25] EN
  - [54] METHOD FOR SECURING A GASKET ON A BIPOLEAR PLATE
  - [54] PROCEDE DE FIXATION D'UN JOINT D'ETANCHEITE A UNE PLAQUE BIPOLAIRE
  - [72] HALUSCHKA, CHRISTOPH, DE
  - [72] MAIER, EBERHARD, DE
  - [72] YILDIRIM, ALI RIZA, DE
  - [72] GERLACH, MARTIN, DE
  - [72] RINGEL, ANTON, DE
  - [72] RINGK, ANDREAS, DE
  - [72] KNORR, FLORIAN ALEXANDER, DE
  - [72] MULLER, AUDRE, DE
  - [72] ANDERSSON, JENNY, SE
  - [72] HOLMBERG, MATTIAS, SE
  - [72] MUNTHE, STEFAN, SE
  - [72] ANDERSCH, STEFAN, DE
  - [72] DZIALLAS, HOLGER, DE
  - [72] SUCHSLAND, JENS-PETER, DE
  - [71] ROBERT BOSCH GMBH, DE
  - [71] POWERCELL SWEDEN AB, SE
  - [71] GREENERITY GMBH, DE
  - [85] 2023-06-16
  - [86] 2021-12-17 (PCT/EP2021/086560)
  - [87] (WO2022/129561)
  - [30] DE (10 2020 133 959.3) 2020-12-17
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[13] A1

- [51] Int.Cl. A61F 2/24 (2006.01)
- [25] EN
- [54] MITRAL VALVE CLIP HAVING LOCKING MECHANISM
- [54] PINCE DE VALVULE MITRALE COMPORANT UN MECANISME DE VERROUILLAGE
- [72] LV, SHIWEN, CN
- [72] CHEN, ZHI, CN
- [72] LU, KAN, CN
- [72] WU, LEI, CN
- [71] JENSCARE SCIENTIFIC CO., LTD., CN
- [85] 2023-06-16
- [86] 2021-11-26 (PCT/CN2021/133489)
- [87] (WO2022/127561)
- [30] CN (202011511245.2) 2020-12-18

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  - [25] EN
  - [54] INJECTION APPARATUS AND METHOD OF USE
  - [54] DISPOSITIF D'INJECTION ET SON PROCEDE D'UTILISATION
  - [72] TIMM, EDWARD J., US
  - [71] MOBIUS THERAPEUTICS, LLC, US
  - [85] 2023-06-16
  - [86] 2021-12-17 (PCT/US2021/064095)
  - [87] (WO2022/133251)
  - [30] US (63/126,660) 2020-12-17
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[13] A1

- [51] Int.Cl. B01L 3/00 (2006.01) C12N 9/22 (2006.01) C12N 9/96 (2006.01) C12N 15/09 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01)
- [25] EN
- [54] SPECIFIC DETECTION OF NUCLEIC ACID SEQUENCES USING ACTIVATE CLEAVE & COUNT (ACC) TECHNOLOGY
- [54] DETECTION SPECIFIQUE DE SEQUENCES D'ACIDE NUCLEIQUE A L'AIDE D'UNE TECHNOLOGIE DE CLIVAGE D'ACTIVATION ET DE COMPTAGE (ACC)
- [72] CUNNINGHAM, BRIAN T., US
- [72] GANGULI, ANURUP, US
- [72] CANADY, TAYLOR D., US
- [72] LI, NANTAO, US
- [72] XIONG, YING, CN
- [72] GHOSH, SHREYA, US
- [72] XIONG, YANYU, US
- [72] AKIN, LUCAS D., US
- [71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US
- [85] 2023-06-16
- [86] 2021-12-31 (PCT/US2021/065804)
- [87] (WO2022/147340)
- [30] US (63/132,836) 2020-12-31

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[13] A1

- [51] Int.Cl. B05B 9/00 (2006.01) F16L 53/37 (2018.01) F16L 53/38 (2018.01) B32B 1/00 (2006.01) B32B 27/00 (2006.01) F16L 11/08 (2006.01) F16L 57/06 (2006.01) H05B 3/00 (2006.01)
  - [25] EN
  - [54] HEATED WHIP HOSE
  - [54] TUYAU FLEXIBLE CHAUFFE
  - [72] TIX, JOSEPH E., US
  - [72] PETERSON, NICHOLAS P., US
  - [72] STUDT, NICHOLAS K., US
  - [72] SCHNEIDER, STEPHEN P., US
  - [71] GRACO MINNESOTA INC., US
  - [85] 2023-06-16
  - [86] 2021-12-29 (PCT/US2021/065522)
  - [87] (WO2022/147131)
  - [30] US (63/132,153) 2020-12-30
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[13] A1

- [51] Int.Cl. A61J 1/16 (2006.01) A61M 5/00 (2006.01) B65D 21/02 (2006.01)
- [25] EN
- [54] PACKAGING INCLUDING A SPACER STRUCTURE FOR SEPARATING TWO STACKED TUBS CONFIGURED FOR THE STORAGE AND/OR TRANSPORT OF A PLURALITY OF MEDICAL CONTAINERS
- [54] EMBALLAGE COMPRENANT UNE STRUCTURE D'ESPACEMENT POUR SEPARER DEUX CUVES EMPILEES CONCUES POUR LE STOCKAGE ET/OU LE TRANSPORT D'UNE PLURALITE DE RECIPIENTS MEDICAUX
- [72] EYMERY, ANAIS, FR
- [72] LE LOC'H, CLEMENTINE, FR
- [71] BECTON DICKINSON FRANCE, FR
- [85] 2023-06-16
- [86] 2021-12-16 (PCT/EP2021/086306)
- [87] (WO2022/136129)
- [30] EP (20306676.6) 2020-12-23

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[13] A1

- [51] Int.Cl. A61B 17/14 (2006.01) A61B 34/20 (2016.01) A61B 90/00 (2016.01) A61B 90/92 (2016.01) A61B 90/94 (2016.01) A61B 17/00 (2006.01)
- [25] EN
- [54] SURGICAL SAGITTAL BLADE CARTRIDGE
- [54] CARTOUCHE DE LAME SAGITTALE CHIRURGICALE
- [72] GILHOOLEY, SEAMUS, IE
- [72] MCEWAN, GREG, US
- [72] SHIELS, PAUL, US
- [72] OTTO, JASON KARL, US
- [71] STRYKER EUROPEAN OPERATIONS LIMITED, IE
- [85] 2023-06-16
- [86] 2021-12-20 (PCT/US2021/064328)
- [87] (WO2022/133340)
- [30] US (63/127,727) 2020-12-18
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## PCT Applications Entering the National Phase

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<p style="text-align: right;"><b>[21] 3,202,617</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 16/783 (2019.01) G06F 16/71 (2019.01) G06F 16/73 (2019.01) H04L 67/60 (2022.01)</p> <p>[25] EN</p> <p><b>[54] SYSTEM AND METHOD FOR MOVING MEDIA CONTENT OVER A NETWORK</b></p> <p>[54] SYSTEME ET PROCEDE POUR DEPLACER UN CONTENU MULTIMEDIA DANS UN RESEAU</p> <p>[72] CAIN, JAMES WESTLAND, GB</p> <p>[71] GRASS VALLEY LIMITED, GB</p> <p>[85] 2023-06-16</p> <p>[86] 2021-12-16 (PCT/GB2021/053341)</p> <p>[87] (WO2022/129929)</p> <p>[30] US (63/126,409) 2020-12-16</p> <p>[30] US (17/457,343) 2021-12-02</p>	<p style="text-align: right;"><b>[21] 3,202,617</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 16/783 (2019.01) G06F 16/71 (2019.01) G06F 16/73 (2019.01) H04L 67/60 (2022.01)</p> <p>[25] EN</p> <p><b>[54] WINCH EQUIPPED WITH A VARIABLE TORQUE LIMITER</b></p> <p>[54]</p> <p>[72] LAGADEC, JEAN, FR</p> <p>[72] BENDELAC, STEVE, FR</p> <p>[71] THALES, FR</p> <p>[85] 2023-06-16</p> <p>[86] 2021-12-17 (PCT/EP2021/086601)</p> <p>[87] (WO2022/129577)</p> <p>[30] FR (FR2013449) 2020-12-17</p>	<p style="text-align: right;"><b>[21] 3,202,620</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B66D 1/58 (2006.01) B66D 1/14 (2006.01) F16D 43/02 (2006.01) F16D 43/21 (2006.01)</p> <p>[25] EN</p> <p><b>[54] WINCH EQUIPPED WITH A VARIABLE TORQUE LIMITER</b></p> <p>[54]</p> <p>[72] LAGADEC, JEAN, FR</p> <p>[72] BENDELAC, STEVE, FR</p> <p>[71] THALES, FR</p> <p>[85] 2023-06-16</p> <p>[86] 2021-12-17 (PCT/EP2021/086601)</p> <p>[87] (WO2022/129577)</p> <p>[30] FR (FR2013449) 2020-12-17</p>
<p style="text-align: right;"><b>[21] 3,202,621</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B22D 1/00 (2006.01) C21C 1/02 (2006.01) C21C 5/46 (2006.01) C21C 7/00 (2006.01) C21C 7/064 (2006.01) C21C 7/072 (2006.01) C21C 7/076 (2006.01)</p> <p>[25] EN</p> <p><b>[54] PROCESS FOR TREATING MOLTEN IRON</b></p> <p>[54] PROCEDE DE TRAITEMENT DE FER FONDU</p> <p>[72] HRABINA, DAVID, CZ</p> <p>[72] POWELL, COLIN, GB</p> <p>[71] FOSECO INTERNATIONAL LIMITED, GB</p> <p>[85] 2023-06-16</p> <p>[86] 2021-12-17 (PCT/EP2021/086652)</p> <p>[87] (WO2022/129612)</p> <p>[30] EP (20215161.9) 2020-12-17</p>	<p style="text-align: right;"><b>[21] 3,202,621</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B22D 1/00 (2006.01) C21C 1/02 (2006.01) C21C 5/46 (2006.01) C21C 7/00 (2006.01) C21C 7/064 (2006.01) C21C 7/072 (2006.01) C21C 7/076 (2006.01)</p> <p>[25] EN</p> <p><b>[54] PROCESS FOR TREATING MOLTEN IRON</b></p> <p>[54] PROCEDE DE TRAITEMENT DE FER FONDU</p> <p>[72] HRABINA, DAVID, CZ</p> <p>[72] POWELL, COLIN, GB</p> <p>[71] FOSECO INTERNATIONAL LIMITED, GB</p> <p>[85] 2023-06-16</p> <p>[86] 2021-12-17 (PCT/EP2021/086652)</p> <p>[87] (WO2022/129612)</p> <p>[30] EP (20215161.9) 2020-12-17</p>	

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- [25] EN
- [54] CATH2 DERIVATIVES FOR STIMULATING INNATE IMMUNE MEMORY
- [54] DERIVES DE CATH2 POUR STIMULER LA MEMOIRE IMMUNITAIRE INNEE
- [72] HAAGSMAN, HENDRIK PETER, NL
- [72] VAN DIJK, ALBERT, NL
- [72] VELDHUIZEN, EDWIN JOHANNES ADRIANUS, NL
- [71] UNIVERSITEIT UTRECHT HOLDING B.V., NL
- [85] 2023-06-16
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- [87] (WO2022/131922)
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- [25] EN
- [54] BIOMARKERS ON CELLULAR ENDOCRINE MODELS FOR ENDOCRINE DISRUPTION ASSESSMENT
- [54] BIOMARQUEURS FAISANT APPEL A DES MODELES ENDOCRINES CELLULAIRES POUR UNE EVALUATION DE PERTurbation ENDOCRINE
- [72] RAT, PATRICE, FR
- [72] OLIVIER, ELODIE, FR
- [72] DUTOT, MELODY, FR
- [72] WAKX, ANAIS, FR
- [71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
- [71] UNIVERSITE PARIS CITE, FR
- [71] YSLAB, FR
- [85] 2023-06-16
- [86] 2021-12-17 (PCT/EP2021/086657)
- [87] (WO2022/129615)
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- [51] Int.Cl. B23K 26/00 (2014.01) B23K 26/0622 (2014.01) B23K 26/122 (2014.01) B23K 26/356 (2014.01) B23K 26/06 (2014.01) B23K 26/12 (2014.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR TREATING MATERIAL BY LASER SHOCK UNDER CONFINEMENT IN A LIQUID
- [54]
- [72] RONDEPIERRE, ALEXANDRE, FR
- [72] ROUCHAUSSIE, YANN, FR
- [72] BERTHE, LAURENT, FR
- [71] THALES, FR
- [71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
- [85] 2023-06-16
- [86] 2021-12-13 (PCT/EP2021/085505)
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- [30] FR (FR2013433) 2020-12-17

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- [25] FR
- [54] METHOD FOR OBTAINING A PLANT-BASED SUBSTITUTE FOR COOKED ANIMAL FLESH
- [54] PROCEDE D'OBTENTION D'UN SUBSTITUT VEGETAL A LA CHAIR ANIMALE CUITE.
- [72] MONNET, ANNE-FLORE, FR
- [71] ALGAMA, FR
- [85] 2023-06-16
- [86] 2021-12-22 (PCT/EP2021/087353)
- [87] (WO2022/136577)
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- [25] EN
- [54] MACHINE-LEARNED TILLAGE MALFUNCTION DETECTION IN AN AUTONOMOUS FARMING VEHICLE
- [54] DETECTION DE DYSFONCTIONNEMENT DE LABOUR PAR APPRENTISSAGE AUTOMATIQUE DANS UN VEHICULE AGRICOLE AUTONOME
- [72] SHARMA, DIVYA, US
- [72] ELCANO, MICHAEL ALBERT, US
- [72] HO, BYRON GAJUN, US
- [72] KRANTZ, JEREMY DOUGLAS, US
- [72] NIDAY, TYLER, US
- [72] PLUMEAU, ROBERT JOSEPH, US
- [71] BLUE RIVER TECHNOLOGY INC., US
- [85] 2023-06-16
- [86] 2021-11-03 (PCT/US2021/057906)
- [87] (WO2022/132327)
- [30] US (17/126,793) 2020-12-18
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- [51] Int.Cl. A61K 31/165 (2006.01) A61P 9/12 (2006.01) C07K 16/42 (2006.01)
- [25] EN
- [54] IMMUNOGLOBULIN PROTEINS THAT BIND TO NPRI AGONISTS
- [54] PROTEINES D'IMMUNOGLOBULINE QUI SE LIENT A DES AGONISTES DE NPRI
- [72] DUNN, MICHAEL, US
- [72] MORTON, LORI, US
- [72] STAHL, NEIL, US
- [72] HUANG, TAMMY, US
- [72] CHATTERJEE, ISHTA, US
- [72] KAMAT, VISHAL, US
- [72] RAFIQUE, ASHIQUE, US
- [71] REGENERON PHARMACEUTICALS, INC., US
- [85] 2023-06-16
- [86] 2021-12-17 (PCT/US2021/064073)
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[54] LINERLESS SELF-ADHESIVE MATERIAL WITH WASH-OFF PROPERTIES

[54] MATERIAU AUTOADHESIF SANS REVETEMENT POURVU DE PROPRIETES DE LAVAGE

[72] GALLI, LUCIANO, IT

[71] RITRAMA S.P.A., IT

[85] 2023-06-16

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[51] Int.Cl. C09D 5/08 (2006.01) F16L 57/00 (2006.01) F16L 58/10 (2006.01)

[25] EN

[54] MULTILAYER CORROSION SYSTEM

[54] SYSTEME DE CORROSION MULTICOUCHE

[72] BOKISA, GEORGE, US

[72] COLBURN, ADAM, US

[72] DURKIN, BRADLEY, US

[72] MILLS, MAURICE, US

[72] SCHAFFER, AMBROSE, US

[71] COVENTYA, INC., US

[85] 2023-06-16

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[54] A POSITIVE ELECTRODE ACTIVE MATERIAL FOR RECHARGEABLE LITHIUM-ION BATTERIES

[54] MATERIAU ACTIF D'ELECTRODE POSITIVE POUR BATTERIES AU LITHIUM-ION RECHARGEABLES

[72] PAULSEN, JENS MARTIN, KR

[72] KUMAKURA, SHINICHI, BE

[72] ZHU, LIANG, BE

[72] KIM, JIHYE, KR

[72] KANG, JIHOON, KR

[72] YANG, HYEJONG, KR

[72] LEE, YURI, KR

[71] UMICORE, BE

[85] 2023-06-16

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[25] EN

[54] TURBINE BLADE PLATFORM COOLING HOLES

[54] TROUS DE REFROIDISSEMENT DE PLATE-FORME DE PALE DE TURBINE

[72] OKPARA, NNAWUIHE ASONYE, US

[72] DICK, AARON J., US

[72] BOGNATZ, DONALD JOSEPH, US

[72] DUMITRASCU, MARIUS, US

[72] NEGRETE, ESTEVAN DANIEL, US

[71] SOLAR TURBINES INCORPORATED, US

[85] 2023-06-16

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[54] PHOSPHATE RESISTANT ELECTRODEPOSITABLE COATING COMPOSITIONS

[54] COMPOSITIONS DE REVETEMENT ELECTRODEPOSABLES RESISTANT AU PHOSPHATE

[72] BROWN-TSENG, ELIZABETH STEPHENIE, US

[72] STEELY, LEE BRENT, US

[72] SYPUT, RICHARD F., US

[72] DEDOMENIC, COREY JAMES, US

[72] DACKO, CHRISTOPHER ANDREW, US

[72] PUODZIUKYNAITE, EGLE, US

[72] SYLVESTER, KEVIN THOMAS, US

[72] KABAGAMBE, BENJAMIN, US

[72] CUMPSTON, KATIE MARIE, US

[72] STONE, DAVID ALFRED, US

[71] PPG INDUSTRIES OHIO, INC., US

[85] 2023-06-16

[86] 2021-12-30 (PCT/US2021/065690)

[87] (WO2022/147255)

[30] US (63/132,719) 2020-12-31

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<p style="text-align: right;"><b>[21] 3,202,648</b> [13] A1</p> <p>[51] Int.Cl. C25D 3/10 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTROPLATING COMPOSITION AND METHOD FOR ELECTROPLATING A CHROMIUM COATING ON A SUBSTRATE</p> <p>[54] COMPOSITION D'ELECTRODEPOSITION ET PROCEDE D'ELECTRODEPOSITION D'UN REVETEMENT DE CHROME SUR UN SUBSTRAT</p> <p>[72] PAPE, SIMON, DE [72] YEVUSHENKO, OLEKSANDRA, DE [72] WALTER, ANKE, DE [72] ROSS, THORSTEN, DE [71] ATOTECH DEUTSCHLAND GMBH &amp; CO. KG, DE [85] 2023-06-16 [86] 2021-12-17 (PCT/EP2021/086438) [87] (WO2022/129491) [30] EP (20215662.6) 2020-12-18</p>	<p style="text-align: right;"><b>[21] 3,202,651</b> [13] A1</p> <p>[51] Int.Cl. G05B 19/418 (2006.01) G06Q 10/06 (2023.01) G06Q 10/08 (2023.01) G06Q 30/02 (2023.01) G06F 8/65 (2018.01) H05K 13/00 (2006.01) H05K 13/02 (2006.01) H05K 13/04 (2006.01)</p> <p>[25] EN</p> <p>[54] AUTOMATED PRODUCT UPDATE MANAGEMENT IN MANAGED NETWORKS</p> <p>[54] GESTION AUTOMATISEE DE MISE A JOUR DE PRODUITS DANS DES RESEAUX GERES</p> <p>[72] MILLER, BRENT, US [72] BERG, MITCH, US [72] SECRIST, BRIAN, US [71] IVANTI, INC., US [85] 2023-06-16 [86] 2022-02-17 (PCT/US2022/016863) [87] (WO2022/178174) [30] US (63/150,970) 2021-02-18 [30] US (17/674,043) 2022-02-17</p>	<p style="text-align: right;"><b>[21] 3,202,657</b> [13] A1</p> <p>[51] Int.Cl. G16H 50/20 (2018.01) G16H 50/50 (2018.01) G16H 50/70 (2018.01) G06N 20/00 (2019.01)</p> <p>[25] EN</p> <p>[54] PREDICTIVE DIAGNOSTIC INFORMATION SYSTEM</p> <p>[54] SYSTEME D'INFORMATION POUR DIAGNOSTIC PREDICTIF</p> <p>[72] DRAKOS, NICHOLAS D.P., US [71] DRAKOS, NICHOLAS D.P., US [85] 2023-06-16 [86] 2021-12-15 (PCT/US2021/072927) [87] (WO2022/133451) [30] US (17/125,720) 2020-12-17</p>

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<p style="text-align: right;"><b>[21] 3,202,663</b> [13] A1</p> <p>[51] Int.Cl. G06F 40/30 (2020.01) G06N 3/04 (2023.01) G06N 3/08 (2023.01) G06F 40/284 (2020.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR AUTOMATIC EXTRACTION OF CLASSIFICATION TRAINING DATA</p> <p>[54] SYSTEMES ET PROCEDES D'EXTRACTION AUTOMATIQUE DE DONNEES D'ENTRAINEMENT DE CLASSIFICATION</p> <p>[72] MAZOR, IGAL, IL</p> <p>[72] ISMAH-MOSHE, YARON, IL</p> <p>[71] GENESYS CLOUD SERVICES, INC., US</p> <p>[85] 2023-06-16</p> <p>[86] 2021-12-17 (PCT/US2021/063970)</p> <p>[87] (WO2022/133179)</p> <p>[30] US (17/125,120) 2020-12-17</p>	<p style="text-align: right;"><b>[21] 3,202,682</b> [13] A1</p> <p>[51] Int.Cl. C25B 3/03 (2021.01) C25B 1/23 (2021.01) C25B 3/25 (2021.01) C25B 9/70 (2021.01) C25B 11/032 (2021.01) C25B 11/052 (2021.01) C25B 11/061 (2021.01) C25B 11/069 (2021.01) C25B 11/095 (2021.01) C25B 15/08 (2006.01)</p> <p>[25] EN</p> <p>[54] A CASCADE CO<sub>2</sub> ELECTROREDUCTION SYSTEM AND RELATED METHODS FOR ENHANCED PRODUCTION OF ETHYLENE</p> <p>[54] SYSTEME D'ELECTROREDUCTION EN CASCADE DU CO<sub>2</sub> ET PROCEDES ASSOCIES POUR UNE PRODUCTION AMELIOREE D'ETHYLENE</p> <p>[72] OZDEN, ADNAN, CA</p> <p>[72] WANG, YUHANG, CA</p> <p>[72] LI, FENGWANG, CA</p> <p>[72] SINTON, DAVID, CA</p> <p>[72] SARGENT, EDWARD, CA</p> <p>[71] TOTALENERGIES ONE TECH, FR</p> <p>[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA</p> <p>[85] 2023-06-16</p> <p>[86] 2022-01-07 (PCT/EP2022/050264)</p> <p>[87] (WO2022/148837)</p> <p>[30] US (63/135,277) 2021-01-08</p> <p>[30] US (63/148,829) 2021-02-12</p> <p>[30] LU (LU102714) 2021-03-30</p>	<p style="text-align: right;"><b>[21] 3,202,684</b> [13] A1</p> <p>[51] Int.Cl. A01K 15/02 (2006.01)</p> <p>[25] EN</p> <p>[54] PET TOY WITH INTERCONNECTING GROOVES AND OPEN CORE</p> <p>[54] JOUET A RAINURES INTERCONNECTEES ET A NOYAU OUVERT POUR ANIMAL DOMESTIQUE</p> <p>[72] MARKHAM, JOSEPH P., US</p> <p>[71] BOUNCE, INC., US</p> <p>[85] 2023-06-16</p> <p>[86] 2021-12-30 (PCT/US2021/065697)</p> <p>[87] (WO2022/147260)</p> <p>[30] US (17/138,590) 2020-12-30</p>

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- [25] EN
- [54] CATALYST SYSTEMS USEFUL FOR DEHYDROGENATION
- [54] SYSTEMES DE CATALYSEUR UTILES POUR LA DESHYDROGENATION
- [72] LUO, LIN, US
- [72] YANG, YANG, US
- [72] KOEKEN, ADRIANUS, NL
- [72] BOLLMANN, LUIS, US
- [72] MALEK, ANDRZEJ, US
- [72] GOODFELLOW, BRIAN W., US
- [72] STEARS, BRIEN (DECEASED), XX
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
- [85] 2023-06-19
- [86] 2021-12-15 (PCT/US2021/063481)
- [87] (WO2022/132877)
- [30] US (63/127,452) 2020-12-18

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- [25] EN
- [54] POLYMER COMPOSITION
- [54] COMPOSITION POLYMERE
- [72] KUMAR, BHAWESH, US
- [72] STOLARZ, ALEX, CH
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
- [85] 2023-06-19
- [86] 2021-12-14 (PCT/US2021/063381)
- [87] (WO2022/132813)
- [30] US (63/127,810) 2020-12-18

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- [51] Int.Cl. A61L 2/18 (2006.01) A61L 9/01 (2006.01)
- [25] EN
- [54] OXYGENATED SOLVENT ODORANT REMOVAL COMPOSITION
- [54] COMPOSITION D'ELIMINATION DE SUBSTANCE ODORANTE A BASE DE SOLVANT OXYGENE
- [72] SHEN, CHENG, CN
- [72] ZOU, JIAN, CN
- [72] DUAN, SHUYU, CN
- [72] WANG, HONGYING, CN
- [72] JI, JING, CN
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
- [85] 2023-06-19
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- [87] (WO2022/126597)

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- [25] EN
- [54] METHODS AND COMPOSITIONS RELATED TO BCL2 AND BIM HETERODIMER ANTIBODIES
- [54] METHODES ET COMPOSITIONS ASSOCIES A DES ANTICORPS HETERODIMERES BCL2 ET BIM
- [72] CARDONE, MICHAEL H., US
- [72] KINLOCH, ANDREW, US
- [72] GILLIES, STEPHEN, US
- [71] EUTROPICS PHARMACEUTICALS, INC., US
- [85] 2023-06-21
- [86] 2021-12-22 (PCT/US2021/064882)
- [87] (WO2022/140556)
- [30] US (63/128,933) 2020-12-22

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- [25] EN
- [54] SYSTEMS AND METHODS FOR ADMINISTRATING A FEDERATED LEARNING NETWORK
- [54] SYSTEMES ET PROCEDES D'ADMINISTRATION D'UN RESEAU D'APPRENTISSAGE FEDERE
- [72] GALTIER, MATHIEU, FR
- [72] ANDREUX, MATHIEU, FR
- [72] MARINI, CAMILLE, FR
- [72] TRAMEL, ERIC, FR
- [72] DJAFAR, INAL, FR
- [72] DU TERRAIL, JEAN, FR
- [71] OWKIN, INC., US
- [85] 2023-05-26
- [86] 2021-12-01 (PCT/US2021/061417)
- [87] (WO2022/119929)
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- [25] EN
- [54] PEPTIDE RECEPTOR RADIONUCLIDE THERAPY
- [54] THERAPIE PAR RADIONUCLEIDES AVEC RECEPTEURS PEPTIDIQUES
- [72] SUTCLIFFE, JULIE L., US
- [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
- [85] 2023-05-26
- [86] 2021-12-03 (PCT/US2021/061886)
- [87] (WO2022/120226)
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  - [54] GAPMERES DE POLY-MORPHOLINO OLIGONUCLEOTIDES
  - [72] FANG, FRANCIS G., US
  - [72] KIM, DAE-SHIK, US
  - [72] CHOI, HYEONG WOOK, US
  - [72] TAKAHASHI, YOSHINORI, JP
  - [72] KIKUTA, KENJI, US
  - [72] KAWASHIMA, HIKARU, JP
  - [72] ITANO, WATARU, JP
  - [72] KUROKAWA, TOSHIKI, JP
  - [72] HOSHIKAWA, TAMAKI, JP
  - [72] SHAN, MINGDE, US
  - [72] WANG, JOHN, US
  - [71] EISAI R&D MANAGEMENT CO., LTD., JP
  - [85] 2023-05-26
  - [86] 2021-12-10 (PCT/US2021/062952)
  - [87] (WO2022/125987)
  - [30] US (63/124,471) 2020-12-11
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- [25] EN
- [54] A WATER-BASED HUMIDITY RESISTANT ADHESIVE COMPOSITION, PROCESS FOR PREPARING AND USING THE SAME
- [54] COMPOSITION ADHESIVE RESISTANTE A L'HUMIDITE A BASE D'EAU, SON PROCEDE DE PREPARATION ET SON UTILISATION
- [72] XIA, JIQIANG, US
- [72] JOHNSON, RANDY ALLEN, US
- [71] ARKEMA FRANCE, FR
- [85] 2023-05-26
- [86] 2021-12-13 (PCT/US2021/063011)
- [87] (WO2022/132611)
- [30] US (63/125,849) 2020-12-15

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  - [25] EN
  - [54] ADDITIVE MANUFACTURING USING POWDER BED FUSION
  - [54] FABRICATION ADDITIVE A L'AIDE D'UNE FUSION SUR LIT DE POUDRE
  - [72] HUSSEY, MARTYN, GB
  - [72] HARVEY, MATTHEW, GB
  - [72] LAIDLER, IAN, GB
  - [72] VAN DEN BERG, JAKOB, GB
  - [72] RICHARDSON, WILLIAM, GB
  - [71] WAYLAND ADDITIVE LIMITED, GB
  - [85] 2023-06-22
  - [86] 2021-12-17 (PCT/GB2021/053352)
  - [87] (WO2022/136843)
  - [30] GB (2020407.9) 2020-12-22
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- [25] EN
- [54] AQUEOUS POLYOLEFIN DISPERSION
- [54] DISPERSION AQUEUSE DE POLYOLEFINE
- [72] MAIER, ANNA, DE
- [72] OELJESCHLAGER, JANE, DE
- [71] ACTEGA DS GMBH, DE
- [85] 2023-05-26
- [86] 2021-11-24 (PCT/EP2021/082762)
- [87] (WO2022/122379)
- [30] EP (20212990.4) 2020-12-10

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  - [25] EN
  - [54] AQUEOUS DISPERSION FOR IMPROVING BARRIER PROPERTIES
  - [54] DISPERSION AQUEUSE D'AMELIORATION DE PROPRIETES DE BARRIERE
  - [72] MAIER, ANNA, DE
  - [72] OELJESCHLAGER, JANE, DE
  - [71] ACTEGA DS GMBH, DE
  - [85] 2023-05-26
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- [25] EN
- [54] SAPONINS
- [54] SAPONINES
- [72] BROWN, MURRAY, GB
- [72] CHAPMAN, EDWARD, GB
- [72] COLLIS, ANDREW, GB
- [72] FUERST, DOUGLAS, US
- [72] HOSFORD, JOSEPH, GB
- [72] MACDERMAID, CHRISTOPHER, US
- [72] MORRISON, JAMES, US
- [71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
- [85] 2023-05-26
- [86] 2021-12-08 (PCT/EP2021/084813)
- [87] (WO2022/122830)
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[54] COMPOSES ANTHELMINTHIQUES COMPRENANT UNE STRUCTURE DE THIENOPYRIDINE  
[72] BERGER, MICHAEL, DE  
[72] LINDER, MICHAEL, DE  
[72] SCHNEIDER, CAROLIN, DE  
[72] TANZLER, JANINA, DE  
[72] SONDERN, ULRICH, DE  
[71] INTERVET INTERNATIONAL B.V., NL  
[85] 2023-05-26  
[86] 2021-12-10 (PCT/EP2021/085125)  
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[51] Int.Cl. A61K 35/76 (2015.01) A61K 39/12 (2006.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01)  
[25] EN  
[54] METHODS OF PRODUCING ADENOVIRUS  
[54] PROCEDES DE FABRICATION D'ADENOVIRUS  
[72] JIANG, JINLIN, US  
[72] BLECKWENN, NICOLE, US  
[72] VENKAT, RAGHAVAN, US  
[72] PAPPAS, DANIEL, US  
[72] RUSH, BENJAMIN, US  
[72] CHACKO, GEORGE, US  
[71] ASTRAZENECA UK LIMITED, GB  
[85] 2023-05-26  
[86] 2021-12-10 (PCT/EP2021/085192)  
[87] (WO2022/123007)  
[30] US (63/123,570) 2020-12-10

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[25] EN  
[54] PRODRUGS OF 2-(3,5-DICHLORO-1-METHYL-INDAZOL-4-YL)-1-[(1S,3R)-3-(HYDROXYMETHYL)-5-(1-HYDROXY-1-METHYL-ETHYL)-1-METHYL-3,4-DIHYDRO-1H-ISOQUINOLIN-2-YL]ETHANONE  
[54] PROMEDICAMENTS DE 2-(3,5-DICHLORO-1-METHYL-INDAZOL-4-YL)-1-[(1S,3R)-3-(HYDROXYMETHYL)-5-(1-HYDROXY-1-METHYL-ETHYL)-1-METHYL-3,4-DIHYDRO-1H-ISOQUINOLIN-2-YL]ETHANONE  
[72] ATES, ALI, BE  
[72] ATES, CELAL, BE  
[72] PROVINS, LAURENT, BE  
[71] UCB BIOPHARMA SRL, BE  
[85] 2023-05-26  
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[25] EN  
[54] NOVEL PYRIMIDIN-2-YL SULFONAMIDE DERIVATIVES  
[54] NOUVEAUX DERIVES DE PYRIMIDIN-2-YL SULFONAMIDE  
[72] GALLEY, GUIDO, CH  
[72] GOBBI, LUCA, CH  
[72] GUBA, WOLFGANG, CH  
[72] MAZUNIN, DMITRY, CH  
[72] PINARD, EMMANUEL, CH  
[72] RICCI, ANTONIO, CH  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2023-05-26  
[86] 2022-02-24 (PCT/EP2022/054586)  
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[51] Int.Cl. H04W 16/18 (2009.01) H04W 16/28 (2009.01) H04W 24/02 (2009.01)  
[25] EN  
[54] A COMPUTER IMPLEMENTED METHOD FOR CONTROLLING A COMMUNICATIONS NETWORK  
[54] PROCEDE IMPLEMENTE PAR ORDINATEUR PERMETTANT DE COMMANDER UN RESEAU DE COMMUNICATION  
[72] SUNILA, KARRI, FI  
[72] KILPELAINEN, VILI, FI  
[71] ELISA OYJ, FI  
[85] 2023-05-26  
[86] 2021-11-18 (PCT/FI2021/050782)  
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[54] APPAREIL DE BROYAGE DE GRAINS DE CAFE  
[72] SAITO, MASATO, JP  
[72] TORIZU, TAISUKE, JP  
[71] DAITO GIKEN, INC., JP  
[85] 2023-05-26  
[86] 2021-11-08 (PCT/JP2021/040974)  
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  - [54] NANOMATERIAUX COMPRENANT DES ACETALS A LIAISON ESTER
  - [72] PATWARDHAN, NEERAJ NARENDRA, US
  - [72] HAMILTON, GREGORY LAWRENCE, US
  - [72] SAGO, CORY DANE, US
  - [72] SHEHATA, MINA FAWZY, US
  - [72] CHHABRA, MILLONI BALWANTKUMAR, US
  - [72] CAMPBELL, ELIZABETH ANNE, US
  - [71] BEAM THERAPEUTICS INC., US
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  - [86] 2021-12-20 (PCT/US2021/064339)
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- [25] EN
- [54] SYSTEMS AND METHODS FOR AUTOMATED BEHAVIORAL ACTIVATION
- [54] SYSTEMES ET PROCEDES D'ACTIVATION AUTOMATISEE DE COMPORTEMENT
- [72] ALLEN, NICHOLAS B., US
- [72] CROWLEY, RYANN N., US
- [72] KAHN, LAUREN E., US
- [72] REED, WYATT A., US
- [72] WICKS, GEORDIE, US
- [71] KSANA HEALTH, INC., US
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  - [25] EN
  - [54] LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) ANALYSIS FOR PATHOGENIC TARGETS
  - [54] ANALYSE D'AMPLIFICATION ISOTHERME INDUIITE PAR BOUCLE (LAMP) POUR CIBLES PATHOGENES
  - [72] SEVILLE, JORDAN, US
  - [72] MCCHESENEY, DARBY, US
  - [72] WANG, JIANGSHAN, US
  - [72] MARUTHAMUTHU, MURALI KANNAN, US
  - [72] DEXTRE, ANDRES, US
  - [72] VERMA, MOHIT, US
  - [71] PURDUE RESEARCH FOUNDATION, US
  - [71] RAYTHEON BBN TECHNOLOGIES, CORP., US
  - [85] 2023-05-26
  - [86] 2022-01-15 (PCT/US2022/012636)
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- [25] EN
- [54] MODULAR MOUNTING APPARATUS FOR ELECTRONIC DEVICE
- [54] APPAREIL DE MONTAGE MODULAIRE POUR DISPOSITIF ELECTRONIQUE
- [72] AMIDEI, ANTHONY, US
- [71] WALMART APOLLO, LLC, US
- [85] 2023-05-26
- [86] 2022-02-15 (PCT/US2022/016492)
- [87] (WO2022/174197)
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  - [54] AGENCEMENT DE STOCKAGE D'EQUIPEMENT DE RECUPERATION DE VEHICULE
  - [72] GORDON, HUGH DOUGLAS, AU
  - [71] JERICHO OFFROAD PTY LTD, AU
  - [85] 2023-05-29
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  - [30] AU (2020904825) 2020-12-23
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  - [25] EN
  - [54] ROBOTIC SPRAYING VEHICLE
  - [54] VEHICULE DE PULVERISATION ROBOTISE
  - [72] MANDEVILLE, KEN, US
  - [72] PRICE, CHRIS, US
  - [72] KIRKPATRICK, SCOTT, US
  - [72] MCCLAY, JAMES, US
  - [71] HUSQVARNA AB, SE
  - [85] 2023-05-29
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  - [30] US (63/119,151) 2020-11-30
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[13] A1

- [51] Int.Cl. B05B 12/00 (2018.01)
- [25] EN
- [54] AUTONOMOUS SPRAYING ROBOT WITH SELECTABLE NOZZLES
- [54] ROBOT DE PULVERISATION AUTONOME A BUSES SELECTIONNABLES
- [72] MANDEVILLE, KEN, US
- [72] PRICE, CHRIS, US
- [72] KIRKPATRICK, SCOTT, US
- [72] MCCLAY, JAMES, US
- [71] HUSQVARNA AB, SE
- [85] 2023-05-29
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<p style="text-align: right;"><b>[21] 3,203,304</b> [13] A1</p> <p>[51] Int.Cl. C07C 31/20 (2006.01) C07C 215/10 (2006.01) C10M 129/04 (2006.01) C10M 129/06 (2006.01) C10M 129/08 (2006.01)</p> <p>[25] EN</p> <p>[54] REACTION PRODUCT OF AN ORGANIC AMINE AND GLYCIDOL AND ITS USE AS A FRICTION MODIFIER</p> <p>[54] PRODUIT DE REACTION D'UNE AMINE ORGANIQUE ET DE GLYCIDOL ET SON UTILISATION EN TANT QU'AGENT MODIFIANT LE COEFFICIENT DE FROTTEMENT</p> <p>[72] ZHAO, HAIBO, US</p> <p>[71] HUNTSMAN PETROCHEMICAL LLC, US</p> <p>[85] 2023-05-29</p> <p>[86] 2021-11-17 (PCT/US2021/059646)</p> <p>[87] (WO2022/132364)</p> <p>[30] US (63/126,112) 2020-12-16</p>	<p style="text-align: right;"><b>[21] 3,203,306</b> [13] A1</p> <p>[51] Int.Cl. H04N 21/41 (2011.01) H04N 21/414 (2011.01) H04N 21/431 (2011.01) H04N 21/433 (2011.01) H04N 21/4402 (2011.01) H04N 21/442 (2011.01) H04N 21/845 (2011.01)</p> <p>[25] EN</p> <p>[54] MULTISCREEN EXPERIENCE FOR PARALLEL PLAYBACK OF TIME SHIFTED LIVE STREAM CONTENT</p> <p>[54] EXPERIENCE MULTIECRAN POUR UNE LECTURE PARALLELE DE CONTENU DE FLUX EN DIRECT DECALE DANS LE TEMPS</p> <p>[72] GUPTA, ASHISH, IN</p> <p>[72] GUPTA, VAIBHAV, IN</p> <p>[72] DHIMAN, ROHIT, IN</p> <p>[71] ROVI GUIDES, INC., US</p> <p>[85] 2023-05-29</p> <p>[86] 2021-11-29 (PCT/US2021/060992)</p> <p>[87] (WO2022/115691)</p> <p>[30] US (17/107,249) 2020-11-30</p> <p>[30] US (17/401,911) 2021-08-13</p>	<p style="text-align: right;"><b>[21] 3,203,310</b> [13] A1</p> <p>[51] Int.Cl. A61L 27/24 (2006.01) B29C 64/10 (2017.01) A61L 27/52 (2006.01)</p> <p>[25] EN</p> <p>[54] MICROPOST ARRAY APPARATUS AND BIOCOMPATIBLE SCAFFOLD</p> <p>[54] APPAREIL A RESEAU DE MICROCOLONNES ET ECHAFAUDAGE BIOCOMPATIBLE</p> <p>[72] FRANCIS, MICHAEL P., US</p> <p>[72] CHRISTENSEN, KYLE, US</p> <p>[72] THAYER, NICHOLAS, US</p> <p>[71] EMBODY, INC., US</p> <p>[85] 2023-05-29</p> <p>[86] 2021-11-30 (PCT/US2021/061195)</p> <p>[87] (WO2022/115782)</p> <p>[30] US (63/119,618) 2020-11-30</p>
<p style="text-align: right;"><b>[21] 3,203,305</b> [13] A1</p> <p>[51] Int.Cl. B23K 9/095 (2006.01) B23K 9/167 (2006.01) B23K 9/173 (2006.01) B23K 9/29 (2006.01) B23K 9/32 (2006.01) H01R 39/64 (2006.01)</p> <p>[25] EN</p> <p>[54] SEMI-AUTOMATIC TORCH TRIGGER FOR ROTATING POWER CONNECTOR FOR WELDING TORCH CABLES</p> <p>[54] DECLENCHEMENT DE TORCHE SEMI-AUTOMATIQUE POUR CONNECTEUR D'ALIMENTATION ROTATIF POUR CABLES DE CHALUMEAU DE SOUDAGE</p> <p>[72] BATZLER, TODD G., US</p> <p>[72] ROMENESKO, CHARLES J., US</p> <p>[71] ILLINOIS TOOL WORKS INC., US</p> <p>[85] 2023-05-29</p> <p>[86] 2021-11-24 (PCT/US2021/060805)</p> <p>[87] (WO2022/115592)</p> <p>[30] US (63/119,176) 2020-11-30</p> <p>[30] US (17/529,590) 2021-11-18</p>	<p style="text-align: right;"><b>[21] 3,203,308</b> [13] A1</p> <p>[51] Int.Cl. G16H 10/20 (2018.01) G16H 10/40 (2018.01) G16H 50/20 (2018.01) G16H 50/30 (2018.01) G16H 50/70 (2018.01) G01N 33/68 (2006.01)</p> <p>[25] EN</p> <p>[54] NON-INVASIVE ASSESSMENT OF ALZHEIMER'S DISEASE</p> <p>[54] EVALUATION NON INVASIVE DE LA MALADIE D'ALZHEIMER</p> <p>[72] REITERMANN, MICHAEL, CA</p> <p>[72] TULIP, THOMAS, CA</p> <p>[72] MATHOTAARACHCHI, MATHOTAARACHCHILAGE SULANTHA SANJEEWA, CA</p> <p>[71] ENIGMA BIOINTELLIGENCE, INC., CA</p> <p>[71] REITERMANN, MICHAEL, CA</p> <p>[71] TULIP, THOMAS, CA</p> <p>[71] MATHOTAARACHCHI, MATHOTAARACHCHILAGE SULANTHA SANJEEWA, CA</p> <p>[85] 2023-05-29</p> <p>[86] 2021-11-29 (PCT/US2021/061016)</p> <p>[87] (WO2022/115705)</p> <p>[30] US (63/119,372) 2020-11-30</p>	<p style="text-align: right;"><b>[21] 3,203,334</b> [13] A1</p> <p>[51] Int.Cl. H04N 21/2387 (2011.01) H04N 21/6332 (2011.01) H04L 65/60 (2022.01) G09B 9/08 (2006.01)</p> <p>[25] EN</p> <p>[54] REMOTE POINTER FOR SIMULATORS</p> <p>[54] POINTEUR A DISTANCE POUR SIMULATEURS</p> <p>[72] SOODEEN, MARK, CA</p> <p>[72] GIANNIAS, NICK, CA</p> <p>[72] FERNIE, ANDREW, CA</p> <p>[71] CAE INC., CA</p> <p>[85] 2023-06-23</p> <p>[86] 2022-01-26 (PCT/IB2022/050687)</p> <p>[87] (WO2022/162560)</p> <p>[30] US (63/141,804) 2021-01-26</p>
<p style="text-align: right;"><b>[21] 3,203,380</b> [13] A1</p> <p>[51] Int.Cl. G01S 7/32 (2006.01)</p> <p>[25] EN</p> <p>[54] COHERENT LIDAR SYSTEM INCLUDING OPTICAL ANTENNA ARRAY</p> <p>[54] SYSTEME LIDAR COHERENT COMPRENANT UN RESEAU D'ANTENNES OPTIQUES</p> <p>[72] LIN, SEN, US</p> <p>[72] MICHAELS, ANDREW STEIL, US</p> <p>[71] OURS TECHNOLOGY, LLC, US</p> <p>[85] 2023-06-23</p> <p>[86] 2021-12-23 (PCT/US2021/065133)</p> <p>[87] (WO2022/140693)</p> <p>[30] US (63/129,847) 2020-12-23</p> <p>[30] US (17/558,476) 2021-12-21</p>		

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**[21] 3,203,418**  
[13] A1

[51] Int.Cl. H01M 4/36 (2006.01) H01M 4/38 (2006.01)  
[25] EN  
[54] SILICON-BASED LITHIUM-STORAGE MATERIAL AND PREPARATION METHOD THEREFOR  
[54] MATERIAU DE STOCKAGE DE LITHIUM A BASE DE SILICIUM ET SON PROCEDE DE PREPARATION  
[72] MA, FEI, CN  
[72] LIU, DONGDONG, CN  
[72] WU, ZHIHONG, CN  
[72] WEI, LIANGQIN, CN  
[72] LI, FENGFENG, CN  
[71] SHANGHAI SHANSHAN TECH CO., LTD., CN  
[85] 2023-06-26  
[86] 2019-12-30 (PCT/CN2019/129886)  
[87] (WO2021/134195)

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**[21] 3,203,420**  
[13] A1

[51] Int.Cl. A01K 1/01 (2006.01)  
[25] EN  
[54] DEVICE FOR PICKING UP ANIMAL EXCREMENT  
[54] DISPOSITIF DE RAMASSAGE D'EXCREMENTS D'ANIMAUX  
[72] HETZENAUER, JOSEF, AT  
[71] HETWIN AUTOMATION SYSTEMS GMBH, AT  
[85] 2023-05-26  
[86] 2021-10-13 (PCT/AT2021/060373)  
[87] (WO2022/109637)  
[30] AT (A 51034/2020) 2020-11-26

**[21] 3,203,421**  
[13] A1

[51] Int.Cl. E02F 9/20 (2006.01) E02F 3/84 (2006.01)  
[25] EN  
[54] SYSTEM, APPARATUS, AND METHOD FOR REMOTE CONTROL OF A WORK VEHICLE  
[54] SYSTEME, APPAREIL ET PROCEDE POUR COMMANDE A DISTANCE D'UN VEHICULE UTILITAIRE  
[72] PAWLUSKI, VINCENT EDMUND, CA  
[71] PAWLUSKI, VINCENT EDMUND, CA  
[85] 2023-05-26  
[86] 2021-11-29 (PCT/CA2021/051700)  
[87] (WO2022/109750)  
[30] US (63/119,076) 2020-11-30

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**[21] 3,203,425**  
[13] A1

[51] Int.Cl. H01R 13/646 (2011.01)  
[25] EN  
[54] LEAD MODULE, ELECTRICAL CONNECTOR, AND CONNECTOR COMPONENT  
[54] MODULE CONDUCTEUR, CONNECTEUR MALE ET ENSEMBLE CONNECTEUR  
[72] XIAO, CONGTU, CN  
[72] YE, TAO, CN  
[72] WU, TINGHE, CN  
[72] OU, ZHENGYAN, CN  
[71] HUAWEI TECHNOLOGIES CO., LTD., CN  
[85] 2023-05-26  
[86] 2021-06-04 (PCT/CN2021/098414)  
[87] (WO2022/110755)  
[30] CN (202011347517.X) 2020-11-26

**[21] 3,203,426**  
[13] A1

[51] Int.Cl. G01V 1/40 (2006.01)  
[25] EN  
[54] CALCULATION METHOD AND DEVICE FOR INTERVAL TRANSIT TIME, AND STORAGE MEDIUM  
[54] PROCEDE ET DISPOSITIF DE CALCUL DE TEMPS DE TRANSIT D'INTERVALLE ET SUPPORT D'ENREGISTREMENT  
[72] FAN, CHUAN, CN  
[72] LIANG, YAN, CN  
[72] LIU, HAISHAN, CN  
[72] XU, GUANYOU, CN  
[72] QI, XIAO, CN  
[72] XU, DANIAN, CN  
[72] FAN, GUANMIN, CN  
[72] ZHANG, CONGHUI, CN  
[72] ZHANG, ZHIQIANG, CN  
[72] ZHANG, ZHANG, CN  
[72] ZHANG, CHUANJU, CN  
[72] ZHANG, CHAOHUA, CN  
[71] CHINA OILFIELD SERVICES LIMITED, CN  
[85] 2023-05-26  
[86] 2021-11-10 (PCT/CN2021/129860)  
[87] (WO2022/142755)  
[30] CN (202011584687.X) 2020-12-28

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**[21] 3,203,428**  
[13] A1

[51] Int.Cl. A24F 40/46 (2020.01) A24F 40/40 (2020.01) A24F 40/42 (2020.01) A24F 47/00 (2020.01)  
[25] EN  
[54] HEAT GENERATING BODY AND PREPARATION METHOD THEREFOR, ATOMIZER, AND ELECTRONIC DEVICE  
[54] CORPS DE GENERATION DE CHALEUR ET SON PROCEDE DE PREPARATION, ATOMISEUR ET DISPOSITIF ELECTRONIQUE  
[72] ZHOU, HONGMING, CN  
[72] ZHANG, WEI, CN  
[72] LI, RIHONG, CN  
[72] LIU, WANGSHENG, CN  
[71] JIANGMEN MOORE TECHNOLOGY., LTD, CN  
[85] 2023-05-26  
[86] 2021-12-01 (PCT/CN2021/134818)  
[87] (WO2022/142981)  
[30] CN (202011595814.6) 2020-12-29

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[21] 3,203,444  
[13] A1

[51] Int.Cl. H01L 31/02 (2006.01) H01L 31/0216 (2014.01) H01L 31/0224 (2006.01) H01L 31/04 (2014.01) H01L 31/18 (2006.01)

[25] EN

[54] A SOLAR CELL COMPRISING A PLURALITY OF POROUS LAYERS AND CHARGE CONDUCTING MEDIUM PENETRATING THE POROUS LAYERS

[54] CELLULE SOLAIRE COMPRENANT UNE PLURALITE DE COUCHES POREUSES ET MILIEU CONDUCTEUR DE CHARGE PENETRANT DANS LES COUCHES POREUSES

[72] LINDSTROM, HENRIK, SE

[72] FILI, GIOVANNI, SE

[71] EXEGER OPERATIONS AB, SE

[85] 2023-06-26

[86] 2022-03-08 (PCT/EP2022/055892)

[87] (WO2022/194618)

[30] EP (21163437.3) 2021-03-18

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[21] 3,203,448  
[13] A1

[51] Int.Cl. A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 31/519 (2006.01) A61P 25/18 (2006.01) A61P 25/24 (2006.01)

[25] EN

[54] DOSING REGIMENS ASSOCIATED WITH EXTENDED RELEASE PALIPERIDONE INJECTABLE FORMULATIONS

[54] SCHEMAS POSOLOGIQUES ASSOCIES A DES FORMULATIONS INJECTABLES DE PALIPERIDONE A LIBERATION PROLONGEE

[72] GOPAL, SRIHARI, US

[72] VENKATASUBRAMANIAN, RAJA, US

[72] TJOLLYN, HUYBRECHT, BE

[71] JANSSEN PHARMACEUTICA NV, BE

[85] 2023-05-26

[86] 2021-05-07 (PCT/EP2021/062144)

[87] (WO2022/111858)

[30] US (63/119,382) 2020-11-30

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[21] 3,203,449  
[13] A1

[51] Int.Cl. A61F 9/00 (2006.01) A61M 11/00 (2006.01) B05B 11/00 (2023.01)

[25] EN

[54] A DEVICE FOR THE DELIVERY OF A MIST OF A DOSE OF AN OPHTHALMIC LIQUID, AND A PUMP SUITABLE FOR DEVICES FOR THE DELIVERY OF A MIST OF AN OPHTHALMIC LIQUID

[54] DISPOSITIF DE DISTRIBUTION D'UN BROUILLARD D'UNE DOSE D'UN LIQUIDE OPHTALMIQUE, ET POMPE APPROPRIEE POUR DES DISPOSITIFS DE DISTRIBUTION D'UN BROUILLARD D'UN LIQUIDE OPHTALMIQUE

[72] NAGEL, HENRIK, DK

[72] WESTERLUND, JOEL VION, SE

[72] GYRN, STEFFEN, DK

[71] EYE-GO A/S, DK

[85] 2023-05-26

[86] 2021-06-29 (PCT/EP2021/067824)

[87] (WO2022/111865)

[30] DK (PA 2020 70800) 2020-11-30

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[21] 3,203,450  
[13] A1

[51] Int.Cl. G01N 33/561 (2006.01) G01N 33/569 (2006.01)

[25] EN

[54] ANALYTICAL METHOD FOR GLYCOCONJUGATES USING A CAPILLARY-BASED IMMUNOASSAY SYSTEM

[54] PROCEDE ANALYTIQUE POUR GLYCOCONJUGUES A L'AIDE D'UN SYSTEME DE DOSAGE IMMUNOLOGIQUE A BASE CAPILLAIRE

[72] MANI, JAN, CH

[72] KRIEFTEWIRTH, MICHAEL, CH

[72] REBER, VERA, CH

[72] BIANCHI, JOELLE, CH

[72] PIANTA, ANNALISA, CH

[72] CHAKKUMKAL, ANISH, NL

[72] GRIJPSTRA, JAN, NL

[72] KAGABO, DIANE, NL

[71] JANSSEN PHARMACEUTICALS, INC., US

[85] 2023-05-29

[86] 2021-11-30 (PCT/IB2021/061115)

[87] (WO2022/113048)

[30] EP (20210768.6) 2020-11-30

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[21] 3,203,453  
[13] A1

[51] Int.Cl. C12Q 1/6853 (2018.01)

[25] EN

[54] LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) ON A SOLID-PHASE MEDIUM

[54] AMPLIFICATION ISOTHERME INDUISTE PAR BOUCLE (LAMP) SUR UN MILIEU EN PHASE SOLIDE

[72] GAVIN, MIKE, US

[72] SEVILLE, JORDAN, US

[72] MCCHESNEY, DARBY, US

[72] LADUCA, FRANK M., US

[72] WANG, JIANGSHAN, US

[72] MARUTHAMUTHU, MURALI KANNAN, US

[72] DEXTRE, ANDRES, US

[72] VERMA, MOHIT, US

[71] PURDUE RESEARCH FOUNDATION, US

[71] RAYTHEON BBN TECHNOLOGIES, CORP., US

[85] 2023-05-29

[86] 2022-01-15 (PCT/US2022/012637)

[87] (WO2022/155548)

[30] US (63/138,316) 2021-01-15

[30] US (63/138,318) 2021-01-15

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[21] 3,203,454  
[13] A1

[51] Int.Cl. C12Q 1/6806 (2018.01)

[25] EN

[54] LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) ANALYSIS FOR PATHOGENIC TARGETS

[54] ANALYSE D'AMPLIFICATION ISOTHERME INDUISTE PAR BOUCLE (LAMP) POUR CIBLES PATHOGENES

[72] SEVILLE, JORDAN, US

[72] MCCHESNEY, DARBY, US

[72] DAVIDSON, JOSIAH, US

[72] WANG, JIANGSHAN, US

[72] MARUTHAMUTHU, MURALI KANNAN, US

[72] DEXTRE, ANDRES, US

[72] VERMA, MOHIT, US

[71] PURDUE RESEARCH FOUNDATION, US

[71] RAYTHEON BBN TECHNOLOGIES, CORP., US

[85] 2023-05-29

[86] 2022-01-15 (PCT/US2022/012635)

[87] (WO2022/155546)

[30] US (63/138,312) 2021-01-15

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**[21] 3,203,455**

[13] A1

- [51] Int.Cl. E21B 29/06 (2006.01) E21B 7/00 (2006.01) E21B 7/04 (2006.01) E21B 7/06 (2006.01) E21B 23/00 (2006.01) E21B 23/01 (2006.01) E21B 29/00 (2006.01)
  - [25] EN
  - [54] METHOD AND APPARATUS FOR MILLING A WINDOW IN CASING
  - [54] PROCEDE ET APPAREIL DE FRAISAGE DE FENETRE DANS UN TUBAGE
  - [72] MARIBU, KENNETH, US
  - [72] ELLER, JOHN GARY, US
  - [72] RYAN, ANTHONY, US
  - [71] CONOCOPHILLIPS COMPANY, US
  - [85] 2023-05-29
  - [86] 2021-12-02 (PCT/US2021/072699)
  - [87] (WO2022/120361)
  - [30] US (63/120,612) 2020-12-02
  - [30] US (17/457,341) 2021-12-02
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**[21] 3,203,456**

[13] A1

- [51] Int.Cl. A61K 35/12 (2015.01) C12N 9/04 (2006.01) C12N 15/52 (2006.01)
- [25] EN
- [54] HEPATOCELLULAR CARCINOMA TREATMENTS, PROPHYLACTIC THERAPIES, AND COMPOSITIONS FOR USE THEREWITH
- [54] TRAITEMENTS CONTRE LE CARCINOME HEPATOCELLULAIRE, THERAPIES PROPHYLACTIQUES ET COMPOSITIONS DESTINEES A ETRE UTILISEES DANS CEUX-CI
- [72] TOPORS, MOURAD, US
- [72] REASON, US
- [72] PERDIGAO DE OLIVEIRA, GUILHERME CHERMAN, US
- [72] RIDILLA, MARC, US
- [72] MACKENZIE-LIU, DAVID, US
- [72] STROUGH, GARRETT, US
- [71] REPAIR BIOTECHNOLOGIES, INC., US
- [85] 2023-05-29
- [86] 2021-12-29 (PCT/US2021/065430)
- [87] (WO2022/147066)
- [30] US (63/131,952) 2020-12-30

**[21] 3,203,457**

[13] A1

- [51] Int.Cl. A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01)
  - [25] EN
  - [54] NANOMATERIALS COMPRISING ACETALS
  - [54] NANOMATERIAUX COMPRENANT DES ACETALS
  - [72] HAMILTON, GREGORY LAWRENCE, US
  - [72] PATWARDHAN, NEERAJ NARENDRA, US
  - [72] SAGO, CORY DANE, US
  - [72] SHEHATA, MINA FAWZY, US
  - [72] CHHABRA, MILLONI BALWANTKUMAR, US
  - [71] BEAM THERAPEUTICS INC., US
  - [85] 2023-05-29
  - [86] 2021-12-20 (PCT/US2021/064312)
  - [87] (WO2022/140238)
  - [30] US (63/128,682) 2020-12-21
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**[21] 3,203,459**

[13] A1

- [51] Int.Cl. A61B 17/11 (2006.01)
- [25] EN
- [54] FLEXIBLE SHUNT IMPLANTS
- [54] IMPLANTS DE DERIVATION SOUPLES
- [72] MURRAY, DANIEL JAMES, US
- [72] NODA, ERIC JASON, US
- [72] THAI, LINDA, US
- [72] LAM, JONATHAN ANDREW, US
- [71] EDWARDS LIFESCIENCES CORPORATION, US
- [85] 2023-05-29
- [86] 2021-12-16 (PCT/US2021/063773)
- [87] (WO2022/133070)
- [30] US (63/199,323) 2020-12-18

**[21] 3,203,460**

[13] A1

- [51] Int.Cl. C07C 2/32 (2006.01) C07C 2/34 (2006.01) C07C 11/02 (2006.01) C07C 11/08 (2006.01) C07C 11/107 (2006.01)
  - [25] EN
  - [54] A PROCESS FOR PRODUCING ALPHA OLEFINS
  - [54] PROCEDE DE PRODUCTION D'ALPHA-OLEFINES
  - [72] KOMPLIN, GLENN CHARLES, US
  - [72] HUH, HEEJAE, US
  - [71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ BV, NL
  - [85] 2023-05-29
  - [86] 2021-12-15 (PCT/US2021/063462)
  - [87] (WO2022/132869)
  - [30] US (63/125,728) 2020-12-15
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**[21] 3,203,461**

[13] A1

- [51] Int.Cl. C12N 15/52 (2006.01) A61K 35/12 (2015.01) A61K 48/00 (2006.01) C12N 9/02 (2006.01)
- [25] EN
- [54] ENHANCING MITOCHONDRIAL-BASED FLOW AND CATABOLISM OF CHOLESTEROL
- [54] AMELIORATION DU CATABOLISME ET DE L'ECOULEMENT A BASE MITOCHONDRIALE DU CHOLESTEROL
- [72] TOPORS, MOURAD, US
- [72] REASON, ., US
- [72] PERDIGAO DE OLIVEIRA, GUILHERME CHERMAN, US
- [72] RIDILLA, MARC, US
- [72] MACKENZIE-LIU, DAVID, US
- [72] STROUGH, GARRETT, US
- [71] REPAIR BIOTECHNOLOGIES, INC., US
- [85] 2023-05-29
- [86] 2021-12-08 (PCT/US2021/062389)
- [87] (WO2022/125653)
- [30] US (63/122,886) 2020-12-08

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[21] 3,203,463  
[13] A1

[51] Int.Cl. A61K 9/127 (2006.01) A61K 9/51 (2006.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01) A61K 38/00 (2006.01)  
[25] EN  
[54] HIGH-THROUGHPUT METHODS FOR PREPARING LIPID NANOPARTICLES AND USES THEREOF  
[54] PROCEDES A HAUT RENDEMENT DESTINES A LA PREPARATION DE NANOParticules LIPIDIQUES ET LEURS UTILISATIONS  
[72] FAN, YUCHEN, US  
[72] YEN, CHUN-WAN, US  
[72] ZHANG, KE, US  
[71] GENENTECH, INC., US  
[85] 2023-05-29  
[86] 2021-12-08 (PCT/US2021/062344)  
[87] (WO2022/125622)  
[30] US (63/123,343) 2020-12-09

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[21] 3,203,464  
[13] A1

[51] Int.Cl. G06V 20/69 (2022.01)  
[25] EN  
[54] SYSTEMS AND METHODS FOR DETERMINING REGIONS OF INTEREST IN HISTOLOGY IMAGES  
[54] SYSTEMES ET PROCEDES DE DETERMINATION DE REGIONS D'INTERET DANS DES IMAGES D'HISTOLOGIE  
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[72] MOINDROT, OLIVIER, FR  
[72] COURTIOL, PIERRE, FR  
[71] OWKIN, INC., US  
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[72] MILLA, JOSE DANIEL, US  
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[71] JOHN BEAN TECHNOLOGIES CORPORATION, US  
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[54] CONSTRUCTIONS D'IMMUNOGLOBULINES A DOMAINES DE LIAISON MULTIPLES  
[72] BROZY, JOHANNES, US  
[72] GHATTYVENKATAKRISHNA, PAVAN, US  
[72] AMER, BRENDAN, US  
[71] AMGEN INC., US  
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[54] SYSTEMES ET PROCEDES POUR STOCKER DES ELEMENTS DE CONTENU SUR LA BASE D'UN HISTORIQUE DE CONSOMMATION  
[72] GARCIA, JEFFREY, US  
[72] LY, DAVID, US  
[72] VUONG, HUNG, US  
[72] YOUNG, RODNEY, US  
[71] ROVI GUIDES, INC., US  
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[54] APPAREIL A CADRE ROTATIF ET CONSTRUCTION D'ECHAFAUDAGE BIOCOMPATIBLE  
[72] FRANCIS, MICHAEL P., US  
[72] CHRISTENSEN, KYLE, US  
[71] EMBODY, INC., US  
[85] 2023-05-29  
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  - [54] CASSETTE FOR RETENTION OF FLUID PATH COMPONENTS FOR FLUID INJECTOR SYSTEM
  - [54] CASSETTE POUR LA RETENTION DE COMPOSANTS DE TRAJET DE FLUIDE POUR SYSTEME D'INJECTEUR DE FLUIDE
  - [72] NAPLES, ANDREW, US
  - [72] COWAN, KEVIN, US
  - [72] SPOHN, MICHAEL, US
  - [72] HAURY, JOHN, US
  - [72] CAMPBELL, PATRICK, US
  - [72] DEDIG, JAMES, US
  - [72] LEE, RANDY, US
  - [72] CASWELL, JOHN, US
  - [72] TIRONE, JAMES, US
  - [72] MACNAMEE, KATHERINE, US
  - [71] BAYER HEALTHCARE LLC, US
  - [85] 2023-05-29
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- [54] METHOD AND SYSTEM FOR HARVESTING AND PROCESSING FEED CROP
- [54] PROCEDE ET SYSTEME DE RECOLTE ET DE TRAITEMENT DE CULTURE FOURRAGERE
- [72] VAN DEN BERG, KAREL, NL
- [71] LANVI PATENT B.V., NL
- [85] 2023-05-29
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  - [54] BOULE DE RIZ AVEC EXTERIEUR GRILLE ET SON PROCEDE DE PREPARATION
  - [72] SON, EUN YEONG, KR
  - [72] LEE, JUN WOO, KR
  - [72] SONG, MIN KYUNG, KR
  - [72] JEONG, DA WOON, KR
  - [72] KANG, HEE JUN, KR
  - [72] LEE, JONG IL, KR
  - [71] CJ CHEILJEDANG CORPORATION, KR
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- [25] EN
- [54] BREADCRUMB AND PREPARATION METHOD THEREFOR
- [54] CHAPELURE ET SON PROCEDE DE PREPARATION
- [72] KIM, IL HWAN, KR
- [72] LEE, SU HYUN, KR
- [72] PARK, HONG WOOK, KR
- [72] KIM, GUN TAE, KR
- [72] YU, YOUNG, KR
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  - [54] RIBOZYME DE TRANS-EPISSAGE SPECIFIQUE DU CANCER EXPRIMANT UN INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE, ET UTILISATION ASSOCIEE
  - [72] LEE, SEONG-WOOK, KR
  - [72] CHO, EUN YI, KR
  - [72] KIM, TAE YOUNG, KR
  - [72] PARK, HYE RIM, KR
  - [71] RZNOMICS INC., KR
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- [25] EN
- [54] SYSTEMS, METHODS AND DEVICES FOR EXPLOITING VALUE SIMILARITY IN COMPUTER MEMORIES
- [54] SYSTEMES, PROCEDES ET DISPOSITIFS D'EXPLOITATION DE SIMILARITE DE VALEUR DANS DES MEMOIRES D'ORDINATEUR
- [72] ARELAKIS, ANGELOS, SE
- [72] ANGERD, ALEXANDRA, SE
- [72] SINTORN, ERIK, SE
- [72] STENSTROM, PER, SE
- [71] ZEROPOINT TECHNOLOGIES AB, SE
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OVER PREVENTION OF A CHEST  
OF DRAWERS AND A CHEST OF  
DRAWERS COMPRISING SUCH  
ARRANGEMENT  
[54] AGENCEMENT DESTINE A LA  
PREVENTION DE BASCULEMENT  
D'UNE COMMODE ET  
COMMODE COMPRENANT UN  
TEL AGENCEMENT  
[72] LAMPEI, JAN, SE  
[71] IKEA SUPPLY AG, CH  
[85] 2023-05-29  
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[25] FR  
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AND REGENERATING  
CELLULOSE  
[54] PROCEDE DE SOLUBILISATION  
ET DE REGENERATION DE LA  
CELLULOSE  
[72] LACHENAL, DOMINIQUE, FR  
[72] CARRE, BRUNO, FR  
[72] HERISSON, ALEXANDRE, FR  
[72] ZENO, ELISA, FR  
[71] CENTRE TECHNIQUE DU PAPIER,  
FR  
[71] CENTRE NATIONAL DE LA  
RECHERCHE SCIENTIFIQUE  
(CNRS), FR  
[71] INSTITUT POLYTECHNIQUE DE  
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BEAM MEASUREMENT AND  
REPORTING IN PREDICTABLE  
MOBILITY SCENARIOS  
[54] SYSTEMES ET PROCEDES DE  
MESURE ET DE RAPPORT DE  
FAISCEAU DANS DES  
SCENARIOS DE MOBILITE  
PREVISIBLE  
[72] GAO, BO, CN  
[72] LU, ZHAOHUA, CN  
[72] YAN, WENJUN, CN  
[72] HE, ZHEN, CN  
[72] SHAO, SHIJIA, CN  
[71] ZTE CORPORATION, CN  
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[87] (WO2022/151312)

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[25] EN  
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COMMUNICATIONS  
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[72] ZHANG, SHUJUAN, CN  
[72] LU, ZHAOHUA, CN  
[72] GAO, BO, CN  
[72] JIANG, CHUANGXIN, CN  
[72] LIU, JING, CN  
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ELECTRODE MATERIAL FOR  
SECONDARY BATTERY,  
PREPARATION METHOD  
THEREFOR, SECONDARY  
BATTERY  
[54] MATERIAU D'ELECTRODE  
NEGATIVE A BASE DE SILICIUM  
DE BATTERIE SECONDAIRE,  
PROCEDE DE PREPARATION  
ASSOCIE ET BATTERIE  
SECONDAIRE  
[72] WU, YUHU, CN  
[72] MA, FEI, CN  
[72] LIU, DONGDONG, CN  
[72] WEI, LIANGQIN, CN  
[72] WU, ZHIHONG, CN  
[72] DING, XIAOYANG, CN  
[72] LI, FENGFENG, CN  
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[25] EN  
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[72] SZYMANSKI, THOMAS, US  
[72] YEATES, RANDALL CLAYTON, US  
[72] RALPH, JAMES M., US  
[71] SAINT-GOBAIN CERAMICS &  
PLASTICS, INC., US  
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- [25] EN
- [54] SILICON-BASED ANODE MATERIAL AND PREPARATION METHOD THEREOF, LITHIUM ION BATTERY
- [54] MATERIAU D'ELECTRODE NEGATIVE A BASE DE SILICIUM ET SON PROCEDE DE PREPARATION ET BATTERIE AU LITHIUM-ION
- [72] WEI, LIANGQIN, CN
- [72] MA, FEI, CN
- [72] LIU, DONGDONG, CN
- [72] WU, YUHU, CN
- [72] WU, ZHIHONG, CN
- [72] DING, XIAOYANG, CN
- [72] LI, FENGFENG, CN
- [71] SHANGHAI SHANSHAN TECH CO., LTD., CN
- [85] 2023-06-27
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- [87] (WO2021/134198)

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- [25] EN
- [54] GENERATION OF NEURAL PROGENITOR CELLS FROM EMBRYONIC STEM CELLS OR INDUCED PLURIPOTENT STEM CELLS
- [54] GENERATION DE CELLULES PROGENITRICES NEURALES A PARTIR DE CELLULES SOUCHES EMBRYONNAIRES OU DE CELLULES SOUCHES PLURIPOENTES INDUITES
- [72] FAN, JING, CN
- [72] WANG, ANXIN, CN
- [72] REN, FANG, CN
- [72] LIU, QIANYUN, CN
- [72] ZOU, TAN, CN
- [71] ZHEJIANG HUODE BIOENGINEERING COMPANY LIMITED, CN
- [85] 2023-05-29
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- [54] SURFACE PORTANTE A PORTANCE AUGMENTEE
- [72] MOLBECH, ALLAN, DK
- [71] AMONYX APS, DK
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- [25] EN
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- [54] SCHEMAS POSOLOGIQUES ASSOCIES A DES FORMULATIONS INJECTABLES DE PALIPERIDONE A LIBERATION PROLONGEE
- [72] GOPAL, SRIHARI, US
- [72] VENKATASUBRAMANIAN, RAJA, US
- [72] T'JOLLYN, HUYBRECHT, BE
- [71] JANSSEN PHARMACEUTICA NV, BE
- [85] 2023-05-29
- [86] 2021-05-07 (PCT/EP2021/062147)
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- [25] EN
- [54] METHODS FOR ENSURING RESUSPENSION OF PALIPERIDONE PALMITATE FORMULATIONS
- [54] PROCEDES DESTINES A ASSURER LA RESUSPENSION DE FORMULATIONS DE PALMITATE DE PALIPERIDONE
- [72] D'HOOORE, PETER, BE
- [72] WALLAERT, IGNACE, BE
- [72] NGUYEN, JIMMY, US
- [72] MEEUSSEN, FRANK, BE
- [72] GOPAL, SRIHARI, US
- [71] JANSSEN PHARMACEUTICA NV, BE
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- [86] 2021-11-24 (PCT/EP2021/082891)
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- [30] US (63/119,305) 2020-11-30
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- [54] COMPOSITIONS COMPRENANT DU MESOSULFURON-METHYLE ET DU TEHP
- [72] RATSCHINSKI, ARNO, DE
- [72] MARTELLETTI, ARIANNA, DE
- [72] MENNE, HUBERT, DE
- [72] PEREZ CATALAN, JULIO, DE
- [71] BAYER AKTIENGESELLSCHAFT, DE
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[54] N-(IMIDAZO[1,2-B]PYRIDAZIN-3-YL)-1-CYCLOHEXYL-2H-INDAZOLE-5-CARBOXAMIDE AND N-(PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-1-CYCLOHEXYL-2H-INDAZOLE-5-CARBOXAMIDE DERIVATIVES AS IRAK4 INHIBITORS FOR THE TREATMENT OF ASTHMA

[54] DERIVES DE N-(IMIDAZO[1,2-B]PYRIDAZIN-3-YL)-1-CYCLOHEXYL-2H-INDAZOLE-5-CARBOXAMIDE ET DE N-(PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-1-CYCLOHEXYL-2H-INDAZOLE-5-CARBOXAMIDE UTILISES EN TANT QU'INHIBITEURS D'IRAK4 POUR LE TRAITEMENT DE L'ASTHME

[72] TERSTIEGE, INA, SE  
[72] SCHIESSER, STEFAN, SE  
[72] XUE, YAFENG, SE  
[72] CHANG, HUI-FANG, SE  
[72] BERGGREN, ANNA INGRID KRISTINA, SE  
[71] ASTRazeneca AB, SE  
[85] 2023-05-29  
[86] 2021-12-09 (PCT/EP2021/084916)  
[87] (WO2022/122876)  
[30] US (63/199,160) 2020-12-10

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[54] METHODES DE PURIFICATION D'ADENOVIRUS  
[72] LINKE, THOMAS, US  
[72] ASPELUND, MATTHEW THOMAS, US  
[72] PRENTICE, JESSICA, US  
[72] JOSEPH, ADRIAN VICTOR ALLEN, US  
[71] ASTRazeneca UK LIMITED, GB  
[85] 2023-05-29  
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[87] (WO2022/123006)  
[30] US (63/123,564) 2020-12-10

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[54] CURABLE TWO-PART RESIN SYSTEM  
[54] SYSTEME DE RESINE A DEUX COMPOSANTS DURCISSABLE  
[72] BEISELE, CHRISTIAN, CH  
[72] BAER, DANIEL, CH  
[72] GNAEDINGER, FLORIAN, CH  
[71] HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH, CH  
[85] 2023-05-29  
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[30] EP (20216430.7) 2020-12-22

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[54] IMPROVEMENTS RELATING TO HYDROCARBON RECOVERY  
[54] AMELIORATIONS RELATIVES A LA RECUPERATION D'HYDROCARBURES  
[72] PARKER, JULIAN, GB  
[72] KRISTEN, ANDRE DAWSON, GB  
[71] PARKER, JULIAN, GB  
[71] KRISTEN, ANDRE DAWSON, GB  
[85] 2023-05-29  
[86] 2020-11-30 (PCT/GB2020/053072)  
[87] (WO2021/105725)  
[30] GB (1917435.8) 2019-11-29

[21] 3,203,573  
[13] A1

[51] Int.Cl. A61K 31/20 (2006.01) A61K 8/36 (2006.01) A61K 8/49 (2006.01) A61K 31/353 (2006.01) A61P 9/10 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 31/14 (2006.01) A61P 31/18 (2006.01) A61P 35/00 (2006.01) A61P 39/00 (2006.01)

[25] EN

[54] SENOTHERAPEUTIC SUBSTANCE  
[54] SUBSTANCE SENOTHERAPEUTIQUE  
[72] RUSSO, VENERA, IT  
[72] PITARI, GIOVANNI MARIO, IT  
[72] LEOTTA, CLAUDIA GIOVANNA, IT  
[72] CORREALE, MARIO, IT  
[72] CORREALE, PAOLO, IT  
[71] BIONEXA S.R.L., IT  
[85] 2023-05-29  
[86] 2021-11-30 (PCT/IB2021/061101)  
[87] (WO2022/118183)  
[30] IT (102020000029213) 2020-12-01

[21] 3,203,574  
[13] A1

[51] Int.Cl. C07D 311/30 (2006.01) A61K 31/352 (2006.01) A61P 9/00 (2006.01) A61P 17/00 (2006.01) A61P 19/00 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) A61P 39/06 (2006.01)

[25] EN

[54] SENOTHERAPEUTIC COMPOUND  
[54] COMPOSE SENOTHERAPEUTIQUE  
[72] CORREALE, MARIO, IT  
[72] GAMBERA, GIOVANNI, IT  
[72] PITARI, GIOVANNI MARIO, IT  
[72] RUSSO, VENERA, IT  
[71] BIONEXA S.R.L., IT  
[85] 2023-05-29  
[86] 2021-11-30 (PCT/IB2021/061106)  
[87] (WO2022/118186)  
[30] IT (102020000029225) 2020-12-01

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<p>[21] 3,203,575 [13] A1</p> <p>[51] Int.Cl. C06B 23/00 (2006.01) C06D 3/00 (2006.01)</p> <p>[25] FR</p> <p>[54] SMOKE-PRODUCING COMPOSITIONS</p> <p>[54] COMPOSITIONS FUMIGENES</p> <p>[72] GLENAT, CECILE, FR</p> <p>[72] POINTART, CELINE, FR</p> <p>[72] MEDUS, DOMINIQUE, FR</p> <p>[71] ETIENNE LACROIX TOUS ARTIFICES S.A., FR</p> <p>[85] 2023-05-30</p> <p>[86] 2021-12-03 (PCT/FR2021/052207)</p> <p>[87] (WO2022/117974)</p> <p>[30] FR (FR2012670) 2020-12-04</p>
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<p>[21] 3,203,576 [13] A1</p> <p>[51] Int.Cl. C06B 23/00 (2006.01) C06D 3/00 (2006.01)</p> <p>[25] FR</p> <p>[54] SMOKE-PRODUCING COMPOSITIONS</p> <p>[54] COMPOSITIONS FUMIGENES</p> <p>[72] GLENAT, CECILE, FR</p> <p>[72] POINTART, CELINE, FR</p> <p>[72] MEDUS, DOMINIQUE, FR</p> <p>[71] ETIENNE LACROIX TOUS ARTIFICES S.A., FR</p> <p>[85] 2023-05-30</p> <p>[86] 2021-12-03 (PCT/FR2021/052208)</p> <p>[87] (WO2022/117975)</p> <p>[30] FR (FR2012672) 2020-12-04</p>
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<p>[21] 3,203,577 [13] A1</p> <p>[51] Int.Cl. G16B 20/00 (2019.01) G16B 20/40 (2019.01) G16B 40/00 (2019.01)</p> <p>[25] EN</p> <p>[54] COMPUTER-IMPLEMENTED METHOD AND APPARATUS FOR ANALYSING GENETIC DATA</p> <p>[54] PROCEDE ET APPAREIL MIS EN □UVRE PAR ORDINATEUR POUR L'ANALYSE DE DONNEES GENETIQUES</p> <p>[72] MOORE, RACHEL, GB</p> <p>[72] PLAGNOL, VINCENT YANN MARIE, GB</p> <p>[72] RIVEROS-MCKAY, FERNANDO, GB</p> <p>[72] WEALE, MICHAEL, GB</p> <p>[72] WELLS, DANIEL, GB</p> <p>[71] GENOMICS PLC, GB</p> <p>[85] 2023-05-30</p> <p>[86] 2021-11-26 (PCT/GB2021/053068)</p> <p>[87] (WO2022/117996)</p> <p>[30] GB (2018904.9) 2020-12-01</p>
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<p>[21] 3,203,578 [13] A1</p> <p>[51] Int.Cl. G16B 20/00 (2019.01) G16B 40/00 (2019.01)</p> <p>[25] EN</p> <p>[54] COMPUTER-IMPLEMENTED METHOD AND APPARATUS FOR ANALYSING GENETIC DATA</p> <p>[54] PROCEDE ET APPAREIL MIS EN □UVRE PAR ORDINATEUR POUR L'ANALYSE DE DONNEES GENETIQUES</p> <p>[72] MOORE, RACHEL, GB</p> <p>[72] PLAGNOL, VINCENT YANN MARIE, GB</p> <p>[72] WEALE, MICHAEL, GB</p> <p>[72] WELLS, DANIEL, GB</p> <p>[71] GENOMICS PLC, GB</p> <p>[85] 2023-05-30</p> <p>[86] 2021-11-26 (PCT/GB2021/053069)</p> <p>[87] (WO2022/117997)</p> <p>[30] GB (2018905.6) 2020-12-01</p>
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<p>[21] 3,203,580 [13] A1</p> <p>[51] Int.Cl. G06F 16/28 (2019.01) G06Q 50/02 (2012.01) G06F 16/35 (2019.01) G06F 40/20 (2020.01) E21B 47/00 (2012.01) E21B 49/00 (2006.01) G01V 1/50 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR DETERMINING WELL CORRELATION</p> <p>[54] SYSTEME ET PROCEDE PERMETTANT DE DETERMINER UNE CORRELATION DE PUITS</p> <p>[72] RAINA, ISHAN, AE</p> <p>[72] WLODARCZYK, SYLVAIN, FR</p> <p>[71] SCHLUMBERGER CANADA LIMITED, CA</p> <p>[85] 2023-05-30</p> <p>[86] 2020-12-15 (PCT/US2020/065044)</p> <p>[87] (WO2022/119581)</p> <p>[30] US (63/199,022) 2020-12-02</p>
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<p>[21] 3,203,581 [13] A1</p> <p>[51] Int.Cl. E01H 5/09 (2006.01)</p> <p>[25] EN</p> <p>[54] SNOW REMOVAL DEVICE WITH CONTINUOUSLY ROTATABLE DISCHARGE CHUTE</p> <p>[54] DISPOSITIF DE DENEIGEMENT COMPRENANT UNE GOULOTTE D'EVACUATION ROTATIVE EN CONTINU</p> <p>[72] MANDEVILLE, KENNETH, US</p> <p>[71] HUSQVARNA AB, SE</p> <p>[85] 2023-05-30</p> <p>[86] 2021-09-28 (PCT/US2021/052341)</p> <p>[87] (WO2022/132280)</p> <p>[30] US (63/125,608) 2020-12-15</p>
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<p>[21] 3,203,582 [13] A1</p> <p>[51] Int.Cl. B25H 3/00 (2006.01) B25H 3/04 (2006.01) B25H 5/00 (2006.01) B65D 25/10 (2006.01) B65D 85/28 (2006.01)</p> <p>[25] EN</p> <p>[54] TOOL ORGANIZER</p> <p>[54] ORGANISEUR D'OUTILS</p> <p>[72] HURLEY, JONATHAN, US</p> <p>[71] HURLEY, JONATHAN, US</p> <p>[85] 2023-05-30</p> <p>[86] 2021-11-15 (PCT/US2021/059362)</p> <p>[87] (WO2022/125271)</p> <p>[30] US (17/114,310) 2020-12-07</p>
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<p>[21] 3,203,583 [13] A1</p> <p>[51] Int.Cl. E04G 1/20 (2006.01) E06C 1/397 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTI-FUNCTION SCAFFOLD WITH REVERSIBLE PLATFORM</p> <p>[54] ECHAFAUDAGE MULTIFONCTION A PLATEFORME REVERSIBLE</p> <p>[72] SMITH, GRADY, US</p> <p>[71] SMITH, GRADY, US</p> <p>[85] 2023-05-30</p> <p>[86] 2021-11-29 (PCT/US2021/061010)</p> <p>[87] (WO2022/115703)</p> <p>[30] US (63/119,436) 2020-11-30</p> <p>[30] US (63/168,780) 2021-03-31</p> <p>[30] US (63/171,132) 2021-04-06</p>
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<p>[21] <b>3,203,586</b> [13] A1</p> <p>[51] Int.Cl. F16L 55/165 (2006.01) E03F 3/06 (2006.01) F16L 11/04 (2006.01)</p> <p>[25] EN</p> <p>[54] LINING TUBE FOR RECONDITIONING OF DEFECTIVE SEWER PIPES AND METHOD OF PRODUCING AND INSTALLING ONE</p> <p>[54] TUBE DE DOUBLAGE POUR LE RECONDITIONNEMENT DE TUYAUX D'EGOUT DEFECTUEUX ET PROCEDE DE PRODUCTION ET D'INSTALLATION D'UN TUBE DE DOUBLAGE</p> <p>[72] BLENKE, STEFAN, DE</p> <p>[71] BRANDENBURGER LINER GMBH &amp; CO. KG, DE</p> <p>[85] 2023-05-30</p> <p>[86] 2021-10-26 (PCT/EP2021/079673)</p> <p>[87] (WO2022/128218)</p> <p>[30] DE (10 2020 134 200.4) 2020-12-18</p>
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<p>[21] <b>3,203,590</b> [13] A1</p> <p>[51] Int.Cl. F01P 11/10 (2006.01) F01P 5/02 (2006.01) F04D 29/52 (2006.01) F28D 1/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HEAT EXCHANGER MODULE</p> <p>[54] MODULE ECHANGEUR DE CHALEUR</p> <p>[72] KIS, MICHAEL, US</p> <p>[72] MCINTOSH, CASEY, US</p> <p>[71] MODINE MANUFACTURING COMPANY, US</p> <p>[85] 2023-05-30</p> <p>[86] 2021-12-03 (PCT/US2021/061778)</p> <p>[87] (WO2022/120152)</p> <p>[30] US (63/121,224) 2020-12-03</p>
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<p>[21] <b>3,203,591</b> [13] A1</p> <p>[51] Int.Cl. F02C 7/228 (2006.01) F02C 9/28 (2006.01) F23R 3/34 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD OF CONTROLLING A COMBUSTOR</p> <p>[54] PROCEDE DE COMMANDE D'UNE CHAMBRE DE COMBUSTION</p> <p>[72] BEESLEY, BRIAN, GB</p> <p>[72] SKIPPER, DORIAN, GB</p> <p>[71] SIEMENS ENERGY GLOBAL GMBH &amp; CO. KG, DE</p> <p>[85] 2023-05-30</p> <p>[86] 2021-11-26 (PCT/EP2021/083219)</p> <p>[87] (WO2022/117464)</p> <p>[30] GB (2018929.6) 2020-12-01</p>
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- [25] EN
- [54] NON AGGREGATING MICROFLUIDIC MIXER AND METHODS THEREFOR
- [54] MELANGEUR MICROFLUIDIQUE SANS AGREGATION ET PROCEDES ASSOCIES
- [72] WILD, ANDRE, CA
- [71] PRECISION NANOSYSTEMS ULC, CA
- [85] 2023-05-30
- [86] 2021-11-18 (PCT/CA2021/051638)
- [87] (WO2022/109721)
- [30] US (63/119,297) 2020-11-30

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[13] A1

- [51] Int.Cl. A61C 7/00 (2006.01) B29C 64/386 (2017.01) A61C 7/08 (2006.01) A61C 9/00 (2006.01)
- [25] EN
- [54] APPARATUSES, SYSTEMS AND METHODS FOR PRODUCING DENTAL ALIGNERS
- [54] APPAREILS, SYSTEMES ET PROCEDES DE PRODUCTION D'ALIGNEURS DENTAIRES
- [72] SEILER, THOMAS, CA
- [72] SHEPPARD, JEFF, CA
- [71] DIGITAL ORTHODONTIC CARE, CA
- [85] 2023-05-30
- [86] 2021-12-03 (PCT/CA2021/051734)
- [87] (WO2022/115965)
- [30] US (63/121,173) 2020-12-03

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[13] A1

- [51] Int.Cl. E01F 7/04 (2006.01)
- [25] EN
- [54] PROTECTIVE STRUCTURE AND METHOD FOR DISSIPATING TENSILE LOAD APPLIED TO A SUPPORT CABLE IN A SUPPORT CABLE ARRANGEMENT OF THE PROTECTIVE STRUCTURE
- [54] STRUCTURE DE PROTECTION ET PROCEDE DE DISSIPATION D'UNE CHARGE DE TRACTION INTRODUITE DANS UN CABLE DE SUPPORT D'UN ENSEMBLE CABLE DE SUPPORT DE LA STRUCTURE DE PROTECTION
- [72] BICHLER, AHREN, CA
- [72] STELZER, GERNOT, AT
- [72] JAKOB, MATTHIAS, CA
- [72] STROUTH, ALEX, US
- [71] TRUMER SCHUTZBAUTEN GES.M.B.H, AT
- [85] 2023-05-30
- [86] 2021-11-29 (PCT/EP2021/083383)
- [87] (WO2022/112562)
- [30] DE (10 2020 131 687.9) 2020-11-30

**[21] 3,203,599**

[13] A1

- [51] Int.Cl. E01F 7/04 (2006.01) E02D 17/20 (2006.01) E02D 29/02 (2006.01)
- [25] EN
- [54] PROTECTIVE STRUCTURE
- [54] STRUCTURE DE PROTECTION
- [72] BICHLER, AHREN, CA
- [72] STELZER, GERNOT, AT
- [72] JAKOB, MATTHIAS, CA
- [72] STROUTH, ALEX, US
- [71] TRUMER SCHUTZBAUTEN GES.M.B.H, AT
- [85] 2023-05-30
- [86] 2021-11-29 (PCT/EP2021/083391)
- [87] (WO2022/112563)
- [30] DE (10 2020 131 710.7) 2020-11-30

**[21] 3,203,603**

[13] A1

- [51] Int.Cl. A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01)
- [25] EN
- [54] BCMA-TARGETED CAR-T CELL THERAPY FOR MULTIPLE MYELOMA
- [54] THERAPIE DU MYELOME MULTIPLE BASEE SUR DES CELLULES CAR-T CIBLEES PAR BCMA
- [72] SCHETTER, JORDAN MARK, US
- [72] FAN, XIAOHU, CA
- [71] JANSSEN BIOTECH, INC., US
- [71] NANJING LEGEND BIOTECH CO., LTD., CN
- [85] 2023-05-30
- [86] 2021-12-03 (PCT/CN2021/135295)
- [87] (WO2022/117068)
- [30] CN (PCT/CN2020/133598) 2020-12-03

**[21] 3,203,604**

[13] A1

- [51] Int.Cl. G07C 9/21 (2020.01)
- [25] EN
- [54] ELECTRONIC SECURITY SYSTEM
- [54] SYSTEME DE SECURITE ELECTRONIQUE
- [72] TYRPA, MIROSLAV, CZ
- [71] TYRPA, MIROSLAV, CZ
- [85] 2023-05-30
- [86] 2021-12-15 (PCT/CZ2021/050151)
- [87] (WO2022/152337)
- [30] CZ (PV 2021-18) 2021-01-18

**[21] 3,203,605**

[13] A1

- [51] Int.Cl. A23K 10/20 (2016.01) A23K 50/75 (2016.01) A01K 67/033 (2006.01)
- [25] EN
- [54] SPECIFIC PATHOGEN FREE FEED COMPOSITION
- [54] COMPOSITION ALIMENTAIRE SANS AGENT PATHOGENE SPECIFIQUE
- [72] TROESCHER, ARNULF, DE
- [72] CHAMP, SIMON, DE
- [72] RIESMEIER, JORG, DE
- [71] CORBIOTA GMBH, DE
- [85] 2023-05-30
- [86] 2021-12-02 (PCT/EP2021/083859)
- [87] (WO2022/117691)
- [30] EP (20211217.3) 2020-12-02
- [30] EP (21158669.8) 2021-02-23

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**[21] 3,203,607**  
[13] A1

- [51] Int.Cl. A61K 31/404 (2006.01) A61P 25/30 (2006.01)
- [25] EN
- [54] USE OF MGLUR5 ANTAGONISTS FOR TREATING AMPHETAMINE ADDICTION
- [54] UTILISATION D'ANTAGONISTES DE MGLUR5 POUR LE TRAITEMENT DE LA DEPENDANCE A L'AMPHETAMINE
- [72] GASPARINI, FABRIZIO, CH
- [72] GOMEZ-MANCILLA, BALTAZAR, CH
- [71] NOVARTIS AG, CH
- [85] 2023-05-30
- [86] 2021-12-09 (PCT/IB2021/061503)
- [87] (WO2022/123482)
- [30] US (63/124,565) 2020-12-11

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[13] A1

- [51] Int.Cl. A01H 1/00 (2006.01) C12N 15/82 (2006.01)
- [25] EN
- [54] TOMATO PLANTS RESISTANT TO TOBRFV, TMV, TOMV AND TOMMV AND CORRESPONDING RESISTANCE GENES
- [54] PLANTS DE TOMATE RESISTANTS AU TOBRFV, AU TMV, AU TOMV ET AU TOMMV, ET GENES DE RESISTANCE CORRESPONDANTS
- [72] LINDBO, JOHN, US
- [71] VILMORIN & CIE, FR
- [85] 2023-05-30
- [86] 2021-12-03 (PCT/EP2021/084289)
- [87] (WO2022/117884)
- [30] EP (20306496.9) 2020-12-03
- [30] EP (21306078.3) 2021-08-02

**[21] 3,203,610**  
[13] A1

- [51] Int.Cl. G01M 11/00 (2006.01)
- [25] EN
- [54] EVALUATION METHOD AND EVALUATION DEVICE FOR MULTI-CORE FIBER
- [54] PROCEDE D'EVALUATION DE FIBRE MULTIC-UR ET DISPOSITIF D'EVALUATION
- [72] HANZAWA, NOBUTOMO, JP
- [72] MATSUI, TAKASHI, JP
- [72] SAGAE, YUTO, JP
- [72] NAKAJIMA, KAZUHIDE, JP
- [71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
- [85] 2023-05-30
- [86] 2020-12-11 (PCT/JP2020/046406)
- [87] (WO2022/123791)

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- [54] ANALOGUES DE LA CONOLIDINE SERVANT DE MODULATEURS SELECTIFS D'ACKR3 POUR TRAITER LE CANCER
- [72] CHEVIGNE, ANDY, BE
- [72] SZPAKOWSKA, MARTYNA, LU
- [72] NAMJOSHI, OJAS, US
- [72] BLOUGH, BRUCE EDWARD, US
- [72] DECKER, ANN MARIE, US
- [72] MEYRATH, MAX MARC ROGER, LU
- [71] LUXEMBOURG INSTITUTE OF HEALTH (LIH), LU
- [71] RESEARCH TRIANGLE INSTITUTE (RTI INTERNATIONAL), US
- [85] 2023-05-30
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- [25] EN
- [54] COMPOUNDS HAVING INHIBITORY EFFECT ON MITOCHONDRIAL HYPERFISSION
- [54] COMPOSE AYANT UNE ACTION INHIBITRICE CONTRE DES DIVISIONS MITOCHONDRIALES EXCESSIVES
- [72] KAWANISHI, EIJI, JP
- [72] OJIDA, AKIO, JP
- [72] NISHIDA, MOTOHIRO, JP
- [72] KATO, YURI, JP
- [71] KYUSHU UNIVERSITY, NATIONAL UNIVERSITY CORPORATION, JP
- [85] 2023-05-30
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- [25] EN
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- [54] NOUVEL INHIBITEUR DE GALACTOSIDE DE GALECTINES
- [72] ZETTERBERG, FREDRIK, DK
- [72] PETERSON, KRISTOFFER, DK
- [72] NILSSON, ULF, DK
- [71] GALECTO BIOTECH AB, DK
- [85] 2023-05-30
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- [54] LIQUID PESTICIDAL COMPOSITION
- [54] COMPOSITION AGROCHIMIQUE LIQUIDE
- [72] TAKETANI, IKI, JP
- [72] RUSU, AI, JP
- [71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
- [85] 2023-05-30
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- [25] EN
- [54] GAS DIFFUSION METHOD FOR USE WITH FUEL CELL STACK
- [54] PROCEDE DE DIFFUSION DE GAZ DESTINE A ETRE UTILISE AVEC UN EMPILEMENT DE PILES A COMBUSTIBLE
- [72] WATTON, JAMES, GB
- [72] FOSTER, SIMON, GB
- [71] INTELLIGENT ENERGY LIMITED, GB
- [85] 2023-05-30
- [86] 2022-01-11 (PCT/EP2022/050457)
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- [25] EN
- [54] IRIDIUM-CONTAINING OXIDE, METHOD FOR PRODUCING SAME AND CATALYST CONTAINING IRIDIUM-CONTAINING OXIDE
- [54] OXYDE CONTENANT DE L'IRIDIUM, SON PROCEDE DE PRODUCTION ET CATALYSEUR CONTENANT L'OXYDE CONTENANT DE L'IRIDIUM
- [72] IKEDA, YASUYUKI, JP
- [72] TERADA, KENJI, JP
- [72] SUZUKI, HIROAKI, JP
- [72] WATANABE, JUNICHI, JP
- [72] ITO, TAKASHI, JP
- [71] FURUYA METAL CO., LTD., JP
- [85] 2023-05-30
- [86] 2021-12-14 (PCT/JP2021/045955)
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- [54] NANOMATERIALS COMPRISING A BIODEGRADABLE FEATURE
- [54] NANOMATERIAUX COMPRENANT UN ELEMENT BIODEGRADABLE
- [72] SHEHATA, MINA FAWZY, US
- [72] PATWARDHAN, NEERAJ NARENDRA, US
- [72] HAMILTON, GREGORY LAWRENCE, US
- [72] SAGO, CORY DANE, US
- [72] CHHABRA, MILLONI BALWANTKUMAR, US
- [71] BEAM THERAPEUTICS INC., US
- [85] 2023-05-30
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[54] WALKER APPARATUS WITH LIFTING PLATFORM

[54] DEAMBULATEUR A PLATE-FORME DE LEVAGE

[72] MAAKANT, LIAM GILLIES, CA

[72] MCGILLIVRAY (LAURENCE), TRACEY MICHELE, CA

[72] DUONG, SULING, CA

[72] GLOWACKI, JOHN ANTHONY JR., CA

[71] AXTION INDEPENDENCE MOBILITY INC., CA

[85] 2023-05-31

[86] 2021-12-03 (PCT/CA2021/051726)

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[54] 3D IMAGE ENHANCEMENT FOR FLAW DETECTION

[54] ACCENTUATION D'IMAGES 3D POUR DETECTION DE DEFAUTS

[72] LE DUFF, ALAIN, CA

[71] EVIDENT CANADA, INC., CA

[85] 2023-05-31

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[25] EN

[54] POTENT AND SELECTIVE INHIBITORS OF THE CALCIUM-ACTIVATED POTASSIUM CHANNEL, KCA3.1, FOR USE AS PLATFORM THERAPEUTICS

[54] INHIBITEURS PUSSANTS ET SELECTIFS DE CANAUX POTASSIQUES ACTIVES PAR LE CALCIUM KCA3.1, DESTINES A ETRE UTILISES COMME PLATE-FORMES THERAPEUTIQUES

[72] LI, YINGJI, CN

[71] ICE BIOSCIENCE INC., CN

[85] 2023-05-30

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[30] SG (10202011877V) 2020-11-30

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[54] RESTORATION OF MOTOR FUNCTION POST-NEUROLOGICAL INJURY USING PSYCHEDELICS

[54] RETABLISSEMENT D'UNE LESION POST-NEUROLOGIQUE DE FONCTION MOTRICE A L'AIDE DE SUBSTANCES PSYCHEDELIQUES

[72] DOLEN, GUL, US

[72] KRAKAUER, JOHN, US

[72] NARDOU, ROMAIN, US

[72] ZEILER, STEVEN ROBERT, US

[72] DE DEUS, JUNIA L., US

[71] THE JOHNS HOPKINS

UNIVERSITY, US

[85] 2023-05-30

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[25] EN

[54] METHOD FOR REGENERATING ADSORPTION MEDIA USING CARBON DIOXIDE

[54] PROCEDE DE REGENERATION DE MILIEU D'ADSORPTION FAISANT APPEL A DU DIOXYDE DE CARBONE

[72] HU, LINJIE, CA

[72] LIU, HAIQING, CA

[72] WILLIAMS, SHAZAM S., CA

[71] GRANITEFUEL ENGINEERING INC., CA

[85] 2023-05-31

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<p>[72] OUAZZANI CHAHDI, JAMAL-EDDINE, FR</p> <p>[72] LE GOFF, GERALDINE, FR</p> <p>[72] DALLERY, JEAN-FELIX, FR</p> <p>[72] BETZER, JEAN-FRANCOIS, FR</p> <p>[72] VOITURIEZ, ARNAUD, FR</p> <p>[72] MARINETTI, ANGELA, FR</p> <p>[72] CACHEUX, FANNY, FR</p> <p>[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR</p> <p>[85] 2023-05-31</p> <p>[86] 2021-12-09 (PCT/EP2021/085082)</p> <p>[87] (WO2022/122975)</p> <p>[30] EP (20306525.5) 2020-12-09</p>
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[54] SYSTEME D'ELEVAGE  
D'ANIMAUX  
[72] VAN DEN BERG, KAREL, NL  
[72] DE KRUIJF, AALTE WILLE MIJNTE,  
NL  
[72] VAN ADRICHEM, PAULUS  
JACOBUS MARIA, NL  
[71] LELY PATENT N.V., NL  
[85] 2023-05-31  
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[87] (WO2022/130145)  
[30] NL (2027108) 2020-12-15

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[13] A1

[51] Int.Cl. G06T 7/00 (2017.01)  
[25] EN  
[54] MACHINE LEARNING TO  
PREDICT CANCER  
INVOLVEMENT OF LYMPH  
NODES  
[54] APPRENTISSAGE  
AUTOMATIQUE POUR PREDIRE  
L'IMPLICATION DES  
GANGLIONS LYMPHATIQUES  
DANS UN CANCER  
[72] WASHKO, GEORGE JR., US  
[72] ESTEPAR, RAUL SAN JOSE, US  
[72] KINSEY, CHARLES MATTHEW, US  
[72] STEVENSON, CHRISTOPHER  
SCOTT, US  
[71] JOHNSON & JOHNSON  
ENTERPRISE INNOVATION INC.,  
US  
[85] 2023-05-31  
[86] 2021-11-30 (PCT/IB2021/061125)  
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[54] SYSTEME ET PROCEDE  
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ET D'AUTRES ELEMENTS  
SORBES  
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[72] PAHWA, VARUN, IN  
[72] MALIK, MANISH, IN  
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PRESS-FIT PRODUCT  
[54] PROCEDE DE MONTAGE A LA  
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FABRICATION D'ARTICLE  
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[72] ASAI, RYOTA, JP  
[71] HIRATA CORPORATION, JP  
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PRESS-FITTING JIG, AND  
MANUFACTURING APPARATUS  
[54] DISPOSITIF DE MONTAGE A LA  
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[72] LAU, HIENG KIONG, SG  
[71] HIRATA CORPORATION, JP  
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HERBICIDE  
[54] PROCEDE DE PRODUCTION D'UN  
DERIVE DE SULFONE EN TANT  
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[72] TANI, SHINKI, JP  
[71] KUMIAI CHEMICAL INDUSTRY  
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[54] PRODUITS CORROYES EN ALLIAGE 2XXX PRESENTANT UNE RESISTANCE A LA CORROSION OPTIMISEE ET PROCEDE D'OBTENTION  
[72] OLLAT, MELANIE, FR  
[72] EHRSTROM, JEAN-CHRISTOPHE, FR  
[71] CONSTELLIUM ISSOIRE, FR  
[85] 2023-05-31  
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[54] REINFORCEMENT MEMBER FOR A DOOR, DOOR REINFORCEMENT SET, DOOR REINFORCEMENT DEVICE, DOOR FRAME REINFORCEMENT KIT AND DOOR SECURITY KIT  
[54] ELEMENT DE RENFORCEMENT POUR UNE PORTE, ENSEMBLE DE RENFORCEMENT DE PORTE, DISPOSITIF DE RENFORCEMENT DE PORTE, KIT DE RENFORCEMENT DE CADRE DE PORTE ET KIT DE SECURITE DE PORTE  
[72] GUILLEMETTE, CHRISTIAN, CA  
[71] GUILLEMETTE, CHRISTIAN, CA  
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[54] APPAREIL ET PROCEDE D'EXFOLIATION DE GRAPHITE  
[72] RUSTINE, TIMOTHY, US  
[72] KELLY, MATTHEW, US  
[72] ROBBINS, SEANN, US  
[71] TMTPLABS, INC., US  
[85] 2023-06-28  
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[54] PONTAGE DE FLUX DE DONNEES POUR TRANSITIONS DE CAPTEURS  
[72] JEPSON, LAUREN H., US  
[72] HEINTZMAN, NATHANIEL D., US  
[72] VAN DER LINDEN, JOOST HERMAN, US  
[72] KAMATH, APURV U., US  
[72] HARLEY-TROCHIMCZYK, ANNA C., US  
[72] CRABTREE, VINCENT P., US  
[72] WEST, BENJAMIN E., US  
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[72] WHITLEY, SVETLANA, US  
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[71] DEXCOM, INC., US  
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[54] NANOMATERIAUX COMPRENANT UN LIPIDE IONISABLE  
[72] HAMILTON, GREGORY LAWRENCE, US  
[72] SHEHATA, MINA FAWZY, US  
[72] SAGO, CORY DANE, US  
[72] PATWARDHAN, NEERAJ NARENDRA, US  
[72] CHHABRA, MILLONI BALWANTKUMAR, US  
[71] BEAM THERAPEUTICS INC., US  
[85] 2023-05-31  
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[72] SAGO, CORY DANE, US  
[72] HAMILTON, GREGORY LAWRENCE, US  
[71] BEAM THERAPEUTICS INC., US  
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 [54] SYSTEME D'AIDE A LA MAIN D'~UVRE, PROCEDE DE GESTION POUR SYSTEME D'AIDE A LA MAIN-D'~UVRE, ET PROGRAMME DE GESTION POUR SYSTEME D'AIDE A LA MAIN-D'OEUVRE  
 [72] MITSUMOTO, HIROYUKI, JP  
 [71] NIPPON SEIKI CO., LTD., JP  
 [85] 2023-05-31  
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 [25] EN  
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 [54] EXPANSEUR TISSULAIRE A VIDE EXTERNE AVEC REBORD NON ADHESIF  
 [72] KHOURI, ROGER K., US  
 [72] KHOURI, KHALIL R., US  
 [72] BIGGS, THOMAS MORGAN, JR., US  
 [71] LIPOCOSM, LLC, US  
 [85] 2023-05-31  
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 [30] US (63/122,016) 2020-12-07

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 [25] EN  
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 [54] COMPOSITIONS ET PROCEDES POUR L'INHIBITION DE L'EXPRESSION DE LA PROTEINE 22 DE LA MYELINE PERIPHERIQUE  
 [72] HARPER, SCOTT QUENTON, US  
 [72] KLEOPA, KLEOPAS, CY  
 [72] STAVROU, MARINA, CY  
 [71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US  
 [71] THE CYPRUS INSTITUTE OF NEUROLOGY AND GENETICS, CY  
 [85] 2023-05-31  
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 [25] EN  
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 [54] ANTICORPS ANTI-CD10 HUMAINS DESTINES A UNE UTILISATION DANS DES PROTOCOLES D'IMMUNOHISTOCHIMIE (IHC) POUR DIAGNOSTIQUER UN CANCER  
 [72] SORENSEN, MORTEN DRAEBY, US  
 [72] HAGEDORN-OLSEN, TINE, US  
 [71] AGILENT TECHNOLOGIES, INC., US  
 [85] 2023-05-31  
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 [54] HEPARINE DE LITHIUM UTILISEE EN TANT QU'AGENT DE BLOCAGE  
 [72] HIRSCH, BRETT, US  
 [72] CONTESTABLE, PAUL, US  
 [71] ORTHO-CLINICAL DIAGNOSTICS, INC., US  
 [85] 2023-05-31  
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 [54] PROCEDES ET SYSTEMES DE REGLAGE AUTOMATIQUE DE POIDS ASSOCIES A DES MODELES DE REPRODUCTION  
 [72] GORLA, VIVEKA, US  
 [72] HO, TINGYU, US  
 [72] SCOTT, ADAM DAVID, US  
 [72] SHUKLA, AVIRAL, US  
 [72] ZHAN, YIDUO, US  
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 [71] MONSANTO TECHNOLOGY LLC, US  
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[25] EN  
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SYSTEM AND METHOD  
[54] SYSTEME ET PROCEDE DE  
DESHYDRATANT D'ENGRAIS  
[72] MAISONNEUVE, JONATHAN, US  
[71] OAKLAND UNIVERSITY, US  
[85] 2023-05-31  
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[25] EN  
[54] A METHOD AND SYSTEM FOR  
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TOBACCO PRODUCT  
[54] PROCEDE ET SYSTEME  
PERMETTANT D'OBTENIR UN  
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COMBUSTION  
[72] SEBASTIAN, ANDRIES DON, US  
[71] IP CONCEPTS LLC, US  
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METHODS FOR CREATING  
CURVILINEAR TUNNELS IN  
BONE  
[54] SYSTEMES, DISPOSITIFS ET  
METHODES DE CREATION DE  
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UN OS  
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[72] LIN, JOE TY, US  
[72] RODRIGUEZ, CHRISTOPHER  
MICHAEL, US  
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ALPHA-OLEFINS  
[54] PROCEDE DE PRODUCTION  
D'ALPHA-OLEFINES  
[72] KOMPLIN, GLENN CHARLES, US  
[72] HUH, HEEJAE, US  
[72] WARD, GREGORY JOHN, US  
[71] SHELL INTERNATIONALE  
RESEARCH MAATSCHAPPIJ B.V.,  
NL  
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[25] EN  
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SYSTEM  
[54] RECIPIENT ET SYSTEME DE  
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[72] SEIDERS, ROY JOSEPH, US  
[72] NICHOLS, STEVE CHARLES, US  
[72] ELLISON, KYLE, US  
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[72] HOTCHKISS, TOBIAS, US  
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[72] LOMBARDI, NICHOLAS JAMES, US  
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[85] 2023-05-31  
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[25] EN  
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[54] UNITE DE COMMANDE  
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[72] REUTER, DAVID CARNELL, US  
[72] GREGG, CHRISTOPHER, US  
[72] OKE, VICTOR T., US  
[71] CONSOLIDATED METCO, INC., US  
[85] 2023-05-31  
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[30] US (63/126,913) 2020-12-17  
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[54] COMPOSITIONS DE CIMENT ET PROCEDES  
[72] SINGH, DIPTI, US  
[72] SAMMLER, ROBERT L., US  
[72] KUO, TZU-CHI, US  
[72] WEEKS, RON, US  
[72] PERRONI, DOMINIC, US  
[72] MEDVEDEV, ANATOLY, US  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2023-05-31  
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[25] EN  
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[54] VISUALISATION DE DONNEES DU DOMAINE DE L'ENERGIE  
[72] CLEMENS, WERNER, DE  
[72] VOGT, CHRISTIAN, DE  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2023-06-01  
[86] 2021-11-24 (PCT/US2021/060700)  
[87] (WO2022/115514)  
[30] US (63/118,223) 2020-11-25

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[54] METHODS AND MATERIALS FOR TREATING T CELL CANCERS  
[54] METHODES ET MATERIAUX POUR TRAITER DES CANCERS DES LYMPHOCYTES T  
[72] DINAPOLI, SARAH, US  
[72] DOUGLASS, JACQUELINE, US  
[72] HSIUE, EMILY HAN-CHUNG, US  
[72] HWANG, MICHAEL S., US  
[72] KINZLER, KENNETH W., US  
[72] KONIG, MAXIMILIAN, US  
[72] MOG, BRIAN J., US  
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[72] PARDOLL, ANDREW M., US  
[72] PAUL, SUMAN, US  
[72] PEARLMAN, ALEXANDER H., US  
[72] VOGELSTEIN, BERT, US  
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[71] THE JOHNS HOPKINS UNIVERSITY, US  
[85] 2023-06-01  
[86] 2021-12-01 (PCT/US2021/061453)  
[87] (WO2022/119555)  
[30] US (63/119,753) 2020-12-01

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[25] EN  
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[54] SYSTEME DE SANGLES ENCLIQUEABLES AMOVIBLES  
[72] MARTELL, JAMES D., US  
[72] MILLIGAN, JASON S., US  
[71] KARSTEN MANUFACTURING CORPORATION, US  
[85] 2023-06-01  
[86] 2021-12-01 (PCT/US2021/061499)  
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[30] US (63/120,070) 2020-12-01

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[25] EN  
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[54] MODULATION DE LA REPOSE IMMUNITAIRE A L'AIDE DE CONJUGUES ANTICORPS-MEDICAMENT ANTI-CD30  
[72] HEISER, RYAN A., US  
[72] GROGAN, BRYAN M., US  
[71] SEAGEN INC., US  
[85] 2023-06-01  
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[25] EN  
[54] COMPOSITIONS AND METHODS FOR DELIVERY OF NUCLEIC ACIDS TO CELLS  
[54] COMPOSITIONS ET METHODES D'ADMINISTRATION D'ACIDES NUCLEIQUES A DES CELLULES  
[72] QUIJANO, ELIAS, US  
[72] GLAZER, PETER, US  
[72] TURNER, BRUCE, US  
[72] SQUINTO, STEPHEN, US  
[71] GENNAO BIO, INC., US  
[71] YALE UNIVERSITY, US  
[85] 2023-06-01  
[86] 2021-12-06 (PCT/US2021/062015)  
[87] (WO2022/120276)  
[30] US (63/121,782) 2020-12-04  
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- [25] EN
- [54] MATERIALS AND METHODS FOR MONITORING CANCER BY ADMINISTERING AN ANTI-MCL1 ANTIBODY
- [54] MATERIELS ET PROCEDES DE SURVEILLANCE DU CANCER PAR ADMINISTRATION D'UN ANTICORPS ANTI-MCL1
- [72] KIELCZEWSKA, AGNIESZKA, US
- [72] CHAN, BRIAN, US
- [72] BOYLE, MICHAEL C., US
- [71] AMGEN INC., US
- [85] 2023-06-01
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- [30] US (63/143,682) 2021-01-29

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- [25] EN
- [54] MOTOR EFFICIENCY AND DEGRADATION INTERPRETATION SYSTEM
- [54] SYSTEME D'INTERPRETATION DE DEGRADATION ET D'EFFICACITE DE MOTEUR
- [72] SHEN, YUELIN, US
- [72] ZHANG, ZHENGXIN, US
- [72] CHEN, WEI, US
- [72] CHEN, ZHENYU, CN
- [72] CHAMBON, SYLVAIN, US
- [72] CHASSARD, ADRIEN, US
- [72] BA, SAMBA, CN
- [72] KOLYSHKIN, ANTON, US
- [72] BELOV, DMITRY, US
- [71] SCHLUMBERGER CANADA LIMITED, CA
- [85] 2023-05-31
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- [25] EN
- [54] SURGICAL TOOL SUPPORT SYSTEM
- [54] SYSTEME DE SUPPORT D'OUTIL CHIRURGICAL
- [72] WOOD, KYLE, US
- [72] MORALES, ANDRES, US
- [72] SIMMONS, SEAN, US
- [71] THE UAB RESEARCH FOUNDATION, US
- [85] 2023-05-31
- [86] 2021-12-07 (PCT/US2021/072777)
- [87] (WO2022/126099)
- [30] US (63/122,068) 2020-12-07

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- [25] EN
- [54] TREATMENT OF DISEASES RELATED TO ATP-BINDING CASSETTE TRANSPORTER 1 DYSFUNCTION USING TREM2 AGONISTS
- [54] TRAITEMENT DE MALADIES ASSOCIEES AU DYSFONCTIONNEMENT DU TRANSPORTEUR 1 DE CASSETTE DE LIAISON A ATP AU MOYEN D'AGONISTES DE TREM2
- [72] PAPAPETROPOULOS, SPYRIDON, US
- [72] FISHER, RICHARD, US
- [72] BRENNAN, MATTHEW, US
- [71] VIGIL NEUROSCIENCE, INC., US
- [85] 2023-06-01
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- [25] EN
- [54] IONIZABLE LIPIDS FOR NANOMATERIALS
- [54] LIPIDES IONISABLES POUR NANOMATERIAUX
- [72] SHEHATA, MINA FAWZY, US
- [72] HAMILTON, GREGORY LAWRENCE, US
- [72] PATWARDHAN, NEERAJ NARENDRA, US
- [72] SAGO, CORY DANE, US
- [72] CHHABRA, MILLONI BALWANTKUMAR, US
- [71] BEAM THERAPEUTICS INC., US
- [85] 2023-05-31
- [86] 2022-01-19 (PCT/US2022/012867)
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[13] A1

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- [25] EN
- [54] TREM2 AGONIST BIOMARKERS AND METHODS OF USE THEREOF
- [54] BIOMARQUEURS AGONISTES DE TREM2 ET LEURS METHODES D'UTILISATION
- [72] ELLWANGER, DANIEL C., US
- [72] FOLTZ, IAN N., US
- [72] HASSON, SAMUEL A., US
- [71] AMGEN INC., US
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[51] Int.Cl. A01N 43/54 (2006.01) A01N  
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A01P 13/00 (2006.01)  
[25] EN  
[54] LIQUID PESTICIDAL  
FORMULATION  
[54] PREPARATION PESTICIDE  
LIQUIDE  
[72] TAKETANI, IKI, JP  
[71] SUMITOMO CHEMICAL  
COMPANY, LIMITED, JP  
[85] 2023-06-01  
[86] 2021-11-30 (PCT/JP2021/043753)  
[87] (WO2022/118819)  
[30] JP (2020-199855) 2020-12-01

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[51] Int.Cl. A01N 43/54 (2006.01) A01N  
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A01P 13/00 (2006.01)  
[25] EN  
[54] PESTICIDAL COMPOSITION  
[54] COMPOSITION DE PRODUIT  
AGROCHIMIQUE  
[72] MATSUSHITA, SAKI, JP  
[72] RUSU, AI, JP  
[71] SUMITOMO CHEMICAL  
COMPANY, LIMITED, JP  
[85] 2023-06-01  
[86] 2021-11-30 (PCT/JP2021/043752)  
[87] (WO2022/118818)  
[30] JP (2020-199854) 2020-12-01

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[13] A1

[51] Int.Cl. A01N 43/54 (2006.01) A01N  
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A01P 13/00 (2006.01)  
[25] EN  
[54] PESTICIDAL COMPOSITION  
[54] COMPOSITION DE PRODUIT  
AGROCHIMIQUE  
[72] MATSUSHITA, SAKI, JP  
[72] RUSU, AI, JP  
[71] SUMITOMO CHEMICAL  
COMPANY, LIMITED, JP  
[85] 2023-06-01  
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[30] JP (2020-199853) 2020-12-01

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[51] Int.Cl. C12Q 1/6886 (2018.01)  
[25] EN  
[54] METHODS OF IDENTIFYING A  
TUMOR THAT IS SENSITIVE TO  
TREATMENT WITH  
TALAZOPARIB AND METHODS  
OF TREATMENT THEREOF  
[54] PROCEDES D'IDENTIFICATION  
D'UNE TUMEUR SENSIBLE AU  
TRAITEMENT PAR LE  
TALAZOPARIB ET PROCEDES DE  
TRAITEMENT ASSOCIES  
[72] GRUBER, JOSHUA JAMES, US  
[72] TELLI, MELINDA, US  
[71] PFIZER INC., US  
[85] 2023-06-01  
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[30] US (63/122,453) 2020-12-07

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[51] Int.Cl. A23L 2/60 (2006.01) A23L  
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[25] EN  
[54] COMPOSITIONS AND METHODS  
FOR TASTE MODULATION  
[54] COMPOSITIONS ET PROCEDES  
DE MODULATION DU GOUT  
[72] SHI, FENG, US  
[72] GALANO, MOISES, BR  
[72] LUCAS, LAURA H., US  
[72] ONUMA, YOSUKE, US  
[72] ROACH, MATTHEW STEVEN, US  
[72] UNGUREANU, IOANA, MARIA, US  
[72] YUAN, WEI, US  
[71] GIVAUDAN SA, CH  
[85] 2023-06-01  
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[87] (WO2022/129558)  
[30] US (63/127,135) 2020-12-17

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[51] Int.Cl. B26B 3/00 (2006.01) B24B 3/54  
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[25] EN  
[54] CUTTING TOOL WITH  
SUPPORTING PORTION FOR  
PRE-SET GRINDING ANGLE  
[54] OUTIL DE COUPE DOTE D'UNE  
PARTIE DE SUPPORT POUR UN  
ANGLE DE MEULAGE  
PREDEFINI  
[72] HORL, OTMAR, DE  
[72] HORL, TIMO, DE  
[71] HORL 1993 GMBH, DE  
[85] 2023-06-01  
[86] 2021-12-09 (PCT/EP2021/084956)  
[87] (WO2022/128728)  
[30] DE (10 2020 133 853.8) 2020-12-16

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[25] EN  
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FOR TASTE MODULATION  
[54] COMPOSITIONS ET PROCEDES  
DE MODULATION DU GOUT  
[72] SHI, FENG, US  
[72] GALANO, MOISES, BR  
[72] LUCAS, LAURA H., US  
[72] ONUMA, YOSUKE, US  
[72] ROACH, MATTHEW STEVEN, US  
[72] UNGUREANU, IOANA, MARIA, US  
[72] YUAN, WEI, US  
[71] GIVAUDAN SA, CH  
[85] 2023-06-01  
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[87] (WO2022/129240)  
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[13] A1

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[25] EN  
[54] MOTORCYCLE KICKSTAND  
SUPPORT PLATE ASSEMBLY  
[54] ASSEMBLAGE DE PLAQUE-  
SUPPORT POUR BEQUILLE DE  
MOTOCYCLETTE  
[72] LAWRENCE, DON, CA  
[72] LAWRENCE, DONNA, CA  
[71] LAWRENCE, DON, CA  
[71] LAWRENCE, DONNA, CA  
[22] 2021-01-26  
[41] 2022-07-25  
[30] US (17/156,697) 2021-01-25

[21] 3,201,993  
[13] A1

[51] Int.Cl. A61B 18/12 (2006.01) A61B  
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[25] EN  
[54] MULTI-POLE SYNCHRONOUS  
PULMONARY ARTERY  
RADIOFREQUENCY ABLATION  
CATHETER  
[54] CATHETER D'ABLATION PAR  
RADIOFRÉQUENCE D'ARTÈRE  
PULMONAIRE SYNCHRONE  
MULTI-POLES  
[72] CHEN, SHAO LIANG, US  
[71] PULNOVO MEDICAL (WUXI) CO.,  
LTD., CN  
[22] 2015-07-10  
[41] 2016-01-14  
[62] 2,954,897  
[30] US (62/023,781) 2014-07-11  
[30] US (14/666,214) 2015-03-23  
[30] US (14/672,021) 2015-03-27  
[30] US (14/672,010) 2015-03-27  
[30] US (14/672,013) 2015-03-27

[21] 3,203,269  
[13] A1

[25] EN  
[54] METHOD FOR MANUFACTURING  
SUBGRADE UTILITY VAULTS,  
LIDS AND TRENCHES USING  
RECYCLED POLYSTYRENE  
[54] METHODE DE FABRICATION DE  
CHAMBRE DE SERVICE EN  
COUCHE DE FORME, DE  
COUVERCLES ET DE  
TRANCHEES AU MOYEN DE  
POLYSTYRENE RECYCLE  
[72] LEBLANC, CHARLES, CA  
[71] OLDCASTLE INFRASTRUCTURE,  
INC., US  
[22] 2020-07-09  
[41] 2022-01-07  
[62] 3,086,346  
[30] US (63/049,014) 2020-07-07

[21] 3,203,273  
[13] A1

[25] EN  
[54] COMPOSITIONS OF ADENOSINE  
DEAMINASE-2 (ADA2), VARIANTS  
THEREOF AND METHODS OF  
USING SAME  
[54]  
[72] THANOS, CHRISTOPHER D., US  
[72] WANG, LIN, US  
[72] SHEPARD, MICHAEL H., US  
[71] HALOZYME, INC., US  
[22] 2015-10-14  
[41] 2016-04-21  
[62] 3,126,536  
[30] US (62/063,936) 2014-10-14

[21] 3,203,288  
[13] A1

[25] EN  
[54] HIGHLY WATER-SOLUBLE  
SALTS OF A SHORT ACTING  
PHENYLALKYLAMINE  
CALCIUM CHANNEL BLOCKER  
AND USES THEREOF  
[54] SELS TRES HYDROSOLUBLES  
D'UN INHIBITEUR DES CANAUX  
CALCIQUES A BASE DE  
PHENYLALKYLAMINE A  
ACTION COURTE ET LEURS  
UTILISATIONS  
[72] MAGUIRE, MARTIN P., CA  
[71] MILESTONE PHARMACEUTICALS  
INC., CA  
[22] 2016-04-13  
[41] 2016-10-20  
[62] 2,982,622  
[30] US (62/147,427) 2015-04-14

[21] 3,203,271  
[13] A1

[25] EN  
[54] METHODS AND COMPOSITIONS  
COMPRISING A C-TERMINAL  
BAX PEPTIDE  
[54] PROCÉDES ET COMPOSITIONS  
RENFERMANT UN PEPTIDE  
DERIVÉ DE L'EXTREMITE C  
TERMINALE DE BAX  
[72] KHALED, ANNETTE, US  
[72] BOOHAKER, REBECCA, US  
[72] LEE, MICHAEL, US  
[72] FIGUEROA, JESUS PEREZ, US  
[71] UNIVERSITY OF CENTRAL  
FLORIDA RESEARCH  
FOUNDATION, INC., US  
[22] 2012-08-24  
[41] 2013-02-28  
[62] 2,846,629  
[30] US (61/527,524) 2011-08-25  
[30] US (61/645,891) 2012-05-11

**Demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

<p>[21] <b>3,203,293</b> [13] A1</p> <p>[25] EN  <b>[54] FEMORAL COMPONENT FOR A KNEE PROSTHESIS WITH IMPROVED ARTICULAR CHARACTERISTICS</b>  <b>[54] COMPOSANT FEMORAL POUR UNE PROTHESE DU GENOU AVEC CARACTERISTIQUES ARTICULAIRES AMELIOREES</b>  [72] PARISI, RAYMOND C., US  [72] DRURY, NICK, US  [72] BALDRIDGE, CHARLES A., US  [71] ZIMMER, INC., US  [22] 2012-04-27  [41] 2012-12-20  [62] 3,065,220  [30] US (13/161,624) 2011-06-16  [30] US (61/561,658) 2011-11-18  [30] US (61/579,873) 2011-12-23  [30] US (61/592,575) 2012-01-30  [30] US (61/594,113) 2012-02-02  [30] US (61/621,372) 2012-04-06  [30] US (61/621,373) 2012-04-06  [30] US (61/621,370) 2012-04-06</p> <hr/> <p>[21] <b>3,203,307</b> [13] A1</p> <p>[25] EN  <b>[54] SCENTED DRAWSTRING BAG</b>  <b>[54] SAC A CORDON PARFUME</b>  [72] COBLER, BRAD A., US  [71] POLY-AMERICA, L.P., US  [22] 2017-06-09  [41] 2017-12-21  [62] 2,970,008  [30] US (15/187,914) 2016-06-21</p> <hr/> <p>[21] <b>3,203,311</b> [13] A1</p> <p>[25] EN  <b>[54] TILLAGE IMPLEMENT</b>  <b>[54] INSTRUMENT ARATOIRE</b>  [72] REDEKOP, JOHAN, CA  [71] REDEKOP, JOHAN, CA  [22] 2018-12-04  [41] 2019-12-19  [62] 3,026,438  [30] US (62/686,972) 2018-06-19</p>	<p>[21] <b>3,203,331</b> [13] A1</p> <p>[25] EN  <b>[54] REDUCING OPTICAL INTERFERENCE IN A FLUIDIC DEVICE</b>  <b>[54] REDUCTION DE L'INTERFERENCE OPTIQUE DANS UN DISPOSITIF FLUIDIQUE</b>  [72] GIBBONS, IAN, US  [72] O'CONNELL, MICHAEL, US  [71] LABRADOR DIAGNOSTICS LLC, US  [22] 2007-10-10  [41] 2008-05-29  [62] 3,057,690  [30] US (11/549,558) 2006-10-13  [30] US (11/685,615) 2007-03-13</p> <hr/> <p>[21] <b>3,203,347</b> [13] A1</p> <p>[25] EN  <b>[54] EFFICIENT METHODS AND COMPOSITIONS FOR RECOVERY OF PRODUCTS FROM ORGANIC ACID PRETREATMENT OF PLANT MATERIALS</b>  <b>[54] PROCEDES ET COMPOSITIONS EFFICACES POUR LA RECUPERATION DE PRODUITS DERIVES D'UN PRETRAITEMENT A L'ACIDE ORGANIQUE DE MATIERES VEGETALES</b>  [72] LING, FENG, CN  [71] PIERNON CAPITAL ENVIRONMENTAL (BEIJING) LIMITED, CN  [22] 2018-05-28  [41] 2019-12-05  [62] 3,100,582</p> <hr/> <p>[21] <b>3,203,355</b> [13] A1</p> <p>[25] EN  <b>[54] NURSING PILLOW</b>  <b>[54] OREILLER DE MATERNAGE</b>  [72] SAUCEDA, SAMUEL, US  [72] LEVEL, MARIA, US  [72] HIRSCHHORN, CHELSEA, US  [71] FRIDABABY, LLC, US  [22] 2021-12-10  [41] 2023-06-06  [62] 3,142,647  [30] US (17/543,115) 2021-12-06</p>	<p>[21] <b>3,203,368</b> [13] A1</p> <p>[25] EN  <b>[54] S-ENANTIOMERICALLY ENRICHED COMPOSITIONS OF BETA BLOCKERS FOR TREATING MUSCLE WEAKNESS</b>  <b>[54] COMPOSITIONS DE BETA-BLOQUANTS ENRICHIES EN ENANTIOMERE S POUR LE TRAITEMENT DE LA FAIBLESSE MUSCULAIRE</b>  [72] ANKER, STEFAN, DE  [72] COATS, ANDREW J.S., AU  [71] ACTIMED THERAPEUTICS LTD, GB  [22] 2017-02-24  [41] 2017-08-31  [62] 3,015,313  [30] US (62/300,620) 2016-02-26</p> <hr/> <p>[21] <b>3,203,374</b> [13] A1</p> <p>[25] EN  <b>[54] MATERIALS AND METHODS TO ENHANCE HEMATOPOIETIC STEM CELLS ENGRAFTMENT PROCEDURES</b>  <b>[54] MATERIAUX ET PROCEDES AMELIORANT LES PROTOCOLES DE PRISE DE GREFFE DE CELLULES SOUCHES HEMATOPOIETIQUES</b>  [72] PELUS, LOUIS M., US  [72] HOGGATT, JONATHAN, US  [72] SINGH, PRATIBHA, US  [71] INDIANA UNIVERSITY RESEARCH &amp; TECHNOLOGY CORPORATION, US  [22] 2009-11-06  [41] 2010-05-14  [62] 3,012,803  [30] US (61/112018) 2008-11-06</p>
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## Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

<p style="text-align: right; margin-top: -10px;"><b>[21] 3,203,377</b></p> <p style="text-align: right; margin-top: -10px;"><b>[13] A1</b></p> <p>[25] EN  <b>[54] BATCH CARD SHUFFLING APPARATUSES INCLUDING MULTI-CARD STORAGE COMPARTMENTS, AND RELATED METHODS</b>  <b>[54] APPAREILS POUR BATTRE DES CARTES PAR LOTS CONTENANT DES COMPARTIMENTS DE STOCKAGE DE CARTES MULTIPLES, ET PROCEDES ASSOCIES</b>  [72] STASSON, JAMES B., US  [72] RYNTA, ROBERT J., US  [72] HELGESEN, JAMES P., US  [72] NELSON, TROY D., US  [72] SCHEPER, PAUL K., US  [72] SWANSON, RONALD R., US  [72] KELLY, JAMES V., US  [72] GRAUZER, ATTILA, US  [71] SG GAMING, INC., US  [22] 2013-08-12  [41] 2015-02-12  [62] 3,104,734</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,203,397</b></p> <p style="text-align: right; margin-top: -10px;"><b>[13] A1</b></p> <p>[25] EN  <b>[54] PROCESSES FOR PRODUCING LIPIDS</b>  <b>[54] PROCEDES POUR PRODUIRE DES LIPIDES</b>  [72] VANHERCKE, THOMAS, AU  [72] PETRIE, JAMES ROBERTSON, AU  [72] EL TAHCHY, ANNA, AU  [72] SINGH, SURINDER PAL, AU  [72] LIU, QING, AU  [71] NUSeed GLOBAL INNOVATION LTD, GB  [22] 2012-12-21  [41] 2013-07-04  [62] 2,860,434  [30] US (61/580,590) 2011-12-27  [30] US (61/718,563) 2012-10-25</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,203,401</b></p> <p style="text-align: right; margin-top: -10px;"><b>[13] A1</b></p> <p>[25] EN  <b>[54] SYSTEM AND METHOD OF GENERATING HIGH VOLTAGE VARIABLE FREQUENCY ELECTROMAGNETIC RADIATION</b>  <b>[54] SYSTEME ET PROCEDE DE PRODUCTION DE RAYONNEMENT ELECTROMAGNETIQUE HAUTE TENSION A FREQUENCE VARIABLE</b>  [72] LAW, JAMES WILLIAM, US  [72] GIRARD, JAMES DAVID, US  [72] BESTER, COLIN, US  [71] ADVANCED BIOTECHNOLOGIES, LLC, US  [22] 2015-06-03  [41] 2015-12-10  [62] 2,988,075  [30] US (62/007,145) 2014-06-03</p>
<p style="text-align: right; margin-top: -10px;"><b>[21] 3,203,379</b></p> <p style="text-align: right; margin-top: -10px;"><b>[13] A1</b></p> <p>[25] EN  <b>[54] INTERACTIVE PAINT PRODUCT SELECTION AND ORDERING METHODS AND APPARATUS</b>  <b>[54] SELECTION DE PRODUIT DE PEINTURE INTERACTIF ET METHODES DE COMMANDE ET APPAREIL</b>  [72] CROGAN, JAMES, US  [72] VANDEVER, KEVIN, US  [72] REYNOLDS, DAMIEN, US  [72] BUZYN, JOHN, US  [72] CHUNG, UN HO, US  [72] JUNG, WOOSANG, US  [72] VAN MARLE, JASON, US  [72] THAKAR, PUNEET PIYUSH, US  [72] FOYE, DARWIN, US  [72] WEBB, MARC, US  [71] BEHR PROCESS CORPORATION, US  [22] 2016-11-30  [41] 2017-06-04  [62] 2,950,034  [30] US (62/263,464) 2015-12-04  [30] US (15/355,736) 2016-11-18</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,203,400</b></p> <p style="text-align: right; margin-top: -10px;"><b>[13] A1</b></p> <p>[25] EN  <b>[54] PROCESSING OF AUDIO SIGNALS DURING HIGH FREQUENCY RECONSTRUCTION</b>  <b>[54] TRAITEMENT DE SIGNAUX AUDIO PENDANT UNE RECONSTITUTION HAUTE FREQUENCE</b>  [72] KJOERLING, KRISTOFER, SE  [71] DOLBY INTERNATIONAL AB, IE  [22] 2011-07-14  [41] 2012-01-26  [62] 3,163,657  [30] US (61/365518) 2010-07-19  [30] US (61/386725) 2010-09-27</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,203,402</b></p> <p style="text-align: right; margin-top: -10px;"><b>[13] A1</b></p> <p>[25] EN  <b>[54] METHOD AND APPARATUS FOR PROCESSING AND/OR INSPECTING PELLET-SHAPED ARTICLES</b>  <b>[54] METHODE ET APPAREIL PERMETTANT DE TRAITER ET CONVOYER DES ARTICLES EN FORME DE BILLES</b>  [72] ACKLEY, E. MICHAEL, JR., US  [72] FORD, MARK, US  [72] PALMER, DANIEL J., US  [71] ACKLEY MACHINE CORPORATION, US  [22] 2007-12-14  [41] 2008-06-26  [62] 3,111,123  [30] US (60/874,717) 2006-12-14</p>

**Demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

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<p style="text-align: right;">[21] <b>3,203,406</b> [13] A1</p> <p>[25] EN  <b>[54] SYSTEM AND METHOD FOR MULTI-CARRIER NETWORK OPERATION</b>  <b>[54] SYSTEME ET PROCEDE DE FONCTIONNEMENT D'UN RESEAU A PORTEUSES MULTIPLES</b>  [72] FONG, MO-HAN, CA  [72] BURBIDGE, RICHARD CHARLES, GB  [72] CAI, ZHIJUN, US  [72] SUZUKI, TAKASHI, JP  [72] EARNSHAW, ANDREW MARK, CA  [72] HEO, YOUN HYOUNG, CA  [72] XU, HUA, CA  [72] LI, JUN, US  [72] MCBEAUTH, SEAN, US  [71] BLACKBERRY LIMITED, CA  [22] 2010-09-24  [41] 2011-03-31  [62] 2,775,313  [30] US (61/246,052) 2009-09-25  [30] US (61/248,150) 2009-10-02  [30] US (61/293,547) 2010-01-08</p>	<p style="text-align: right;">[21] <b>3,203,458</b> [13] A1</p> <p>[51] Int.Cl. H02J 3/16 (2006.01)  [25] EN  <b>[54] SYSTEMS AND METHODS FOR EDGE OF NETWORK VOLTAGE CONTROL OF A POWER GRID</b>  <b>[54] SYSTEMES ET METHODE DESTINES AU BORD D'UNE COMMANDE DE TENSION DE RESEAU D'UN RESEAU D'ALIMENTATION</b>  [72] DIVAN, DEEPAKRAJ M., US  [72] MOGHE, ROHIT, US  [72] PRASAI, ANISH, US  [72] DILLON, ANDREW, US  [71] SENTIENT ENERGY TECHNOLOGY, LLC, US  [22] 2016-03-07  [41] 2016-09-16  [62] 2,922,863  [30] US (14/659,418) 2015-03-16</p>	<p style="text-align: right;">[21] <b>3,203,465</b> [13] A1</p> <p>[25] EN  <b>[54] METHOD FOR NON-INVASIVE MONITORING OF FLUORESCENT TRACER AGENT WITH DIFFUSE REFLECTION CORRECTIONS</b>  <b>[54] PROCEDE DE SURVEILLANCE NON INVASIVE D'AGENT TRACEUR FLUORESCENT AVEC CORRECTIONS DE REFLEXION DIFFUSE</b>  [72] SCHULTZ, KIMBERLY, US  [72] KEATING, JENNIFER, US  [72] SOLOMON, EDWARD, US  [72] BECHTEL, KATE, US  [71] MEDIBEACON INC., US  [22] 2018-01-30  [41] 2018-08-02  [62] 3,051,963  [30] US (62/452,025) 2017-01-30</p>
<p style="text-align: right;">[21] <b>3,203,451</b> [13] A1</p> <p>[25] EN  <b>[54] COMPOSITIONS AND METHODS FOR TREATING DIABETIC FOOT AND OTHER INJURIES AND SORES</b>  <b>[54] COMPOSITIONS ET METHODES DE TRAITEMENT D'UN PIED DIABETIQUE ET D'AUTRES BLESSURES ET DOULEURS</b>  [72] CAMPILLO RONQUILLO, HUMBERTO IGNACIO, MX  [71] XOSMAR INDUSTRIES, LLC, US  [22] 2020-08-11  [41] 2021-02-26  [62] 3,089,702  [30] US (62891449) 2019-08-26</p>	<p style="text-align: right;">[21] <b>3,203,462</b> [13] A1</p> <p>[25] EN  <b>[54] CONVERTING RECYCLABLE MATERIALS INTO MANUFACTURING PRODUCTS</b>  <b>[54] CONVERSION DE MATERIAUX RECYCLABLES EN PRODUITS DE FABRICATION</b>  [72] WHITAKER, RANDAL, US  [72] RUSH, CARL, US  [72] LOWER, MARC, US  [72] TOBERMAN, RICHARD, US  [72] BRADSHAW, ALLAN, US  [72] WINTEROWD, JACK, US  [72] SUPUT, MARKO, US  [72] SPENSER, MATTHEW, US  [72] RAYMAN, JAN, US  [72] DERAAD, DEAN, US  [72] COCHRANE, RICHARD, US  [71] CONTINUUS MATERIALS INTELLECTUAL PROPERTY, LLC, US  [22] 2018-11-07  [41] 2019-05-16  [62] 3,082,151  [30] US (62/583,036) 2017-11-08  [30] US (62/583,038) 2017-11-08</p>	<p style="text-align: right;">[21] <b>3,203,469</b> [13] A1</p> <p>[25] EN  <b>[54] PREVENTING FOG ON A MEDICAL DEVICE VIEWPORT</b>  <b>[54] PREVENTION DE LA BUEE SUR UNE FENETRE D'AFFICHAGE DE DISPOSITIF MEDICAL</b>  [72] SAGIV, ADAM, IL  [72] MALLER, MICHAEL, IL  [72] LAM, AMNON, IL  [71] PLASMATICA LTD., IL  [22] 2016-09-07  [41] 2017-03-16  [62] 3,035,491  [30] US (62/215,061) 2015-09-07</p>

## Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

<p style="text-align: right;"><b>[21] 3,203,475</b></p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p><b>[54] SYSTEMS AND METHODS FOR PROVIDING A VISUALIZABLE RESULTS LIST</b></p> <p><b>[54] SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR UNE LISTE DE RESULTATS VISUALISABLES</b></p> <p>[72] MILLER, RICHARD D., US  [72] MYERS, JACOB AARON, US  [72] FRASCOME, TODD J., US  [72] MEHRA, GAURAV, US  [72] WITTMER, PHILIP, US  [72] LI, YANGGUANG, US  [72] HAINES, RONALD C., US  [71] RELX INC., US  [22] 2017-03-28  [41] 2017-10-12  [62] 3,019,914  [30] US (15/092,999) 2016-04-07  [30] US (15/266,573) 2016-09-15</p>	<p style="text-align: right;"><b>[21] 3,203,488</b></p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p><b>[54] SYSTEMS AND METHODS FOR PROVIDING A VISUALIZABLE RESULTS LIST</b></p> <p><b>[54] SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR UNE LISTE DE RESULTATS VISUALISABLES</b></p> <p>[72] MILLER, RICHARD D., US  [72] MYERS, JACOB AARON, US  [72] FRASCOME, TODD J., US  [72] MEHRA, GAURAV, US  [72] HAINES, RONALD C., US  [72] WITTMER, PHILIP, US  [72] LI, YANGGUANG, US  [71] RELX INC., US  [22] 2017-03-28  [41] 2017-10-12  [62] 3,019,914  [30] US (15/092,999) 2016-04-07  [30] US (15/266,573) 2016-09-15</p>	<p style="text-align: right;"><b>[21] 3,203,550</b></p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p><b>[54] MEDICAL DEVICES FOR SHUNTS, OCCLUDERS, FENESTRATIONS AND RELATED SYSTEMS AND METHODS</b></p> <p><b>[54] DISPOSITIFS MEDICAUX POUR DERIVATIONS, DISPOSITIFS D'OCCLUSION, FENESTRAGE ET SYSTEMES ET PROCEDES ASSOCIES</b></p> <p>[72] COLE, DANIEL S., US  [72] MCDANIEL, TOM R., US  [72] SHAW, EDWARD E., US  [72] SMITH, BENJAMIN A., US  [71] W. L. GORE &amp; ASSOCIATES, INC., US  [22] 2019-07-17  [41] 2020-01-23  [62] 3,105,543  [30] US (62/699,815) 2018-07-18</p>
<p style="text-align: right;"><b>[21] 3,203,483</b></p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p><b>[54] SYSTEMS AND METHODS FOR PROVIDING A VISUALIZABLE RESULTS LIST</b></p> <p><b>[54] SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR UNE LISTE DE RESULTATS VISUALISABLES</b></p> <p>[72] MILLER, RICHARD D., US  [72] MYERS, JACOB AARON, US  [72] FRASCOME, TODD J., US  [72] MEHRA, GAURAV, US  [72] WITTMER, PHILIP, US  [72] LI, YANGGUANG, US  [72] HAINES, RONALD C., US  [71] RELX INC., US  [22] 2017-03-28  [41] 2017-10-12  [62] 3,019,914  [30] US (15/092,999) 2016-04-07  [30] US (15/266,573) 2016-09-15</p>	<p style="text-align: right;"><b>[21] 3,203,498</b></p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p><b>[54] IMAGE CODING DEVICE, IMAGE CODING METHOD, AND IMAGE CODING PROGRAM, AND IMAGE DECODING DEVICE, IMAGE DECODING METHOD AND IMAGE DECODING PROGRAM</b></p> <p><b>[54] DISPOSITIF, METHODE ET PROGRAMME DE CODAGE D'IMAGE ET DISPOSITIF, METHODE ET PROGRAMME DE DECODAGE D'IMAGE</b></p> <p>[72] FUKUSHIMA, SHIGERU, JP  [71] JVC KENWOOD CORPORATION, JP  [22] 2017-06-13  [41] 2018-06-14  [62] 3,119,110  [30] JP (2016-236507) 2016-12-06</p>	<p style="text-align: right;"><b>[21] 3,203,613</b></p> <p style="text-align: right;">[13] A1</p> <p><b>[51] Int.Cl. C07K 16/46 (2006.01) C07K 16/00 (2006.01)</b></p> <p>[25] EN</p> <p><b>[54] BISPECIFIC PROTEINS AND METHODS FOR PREPARING SAME</b></p> <p><b>[54] PROTEINES BISPECIFIQUES ET LEURS PROCEDES DE PREPARATION</b></p> <p>[72] KIM, HOEON, KR  [72] BAE, SOHYUN, KR  [71] IBENTRUS, INC., KR  [22] 2017-07-19  [41] 2018-01-25  [62] 3,031,082  [30] KR (10-2016-0091157) 2016-07-19</p>

**Demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

<p style="text-align: right;">[21] <b>3,203,627</b> [13] A1</p> <p>[25] EN  <b>[54] IMAGING DEVICES WITH SELECTIVELY ALTERABLE CHARACTERISTICS</b>  <b>[54] DISPOSITIFS D'IMAGERIE A CARACTERISTIQUES SELECTIVEMENT MODIFIABLES</b>  [72] HAQUE, YUSUF S., US  [72] AKKARAJU, SANDEEP, US  [72] BRYZEK, JANUSZ, US  [72] SKRENES, LARRY, US  [71] EXO IMAGING, INC., US  [22] 2019-09-16  [41] 2020-04-02  [62] 3,105,459  [30] US (62/736,283) 2018-09-25</p>	<p style="text-align: right;">[21] <b>3,203,715</b> [13] A1</p> <p>[25] EN  <b>[54] COMPOSITION AND METHOD FOR ENDODONTIC DEBRIDEMENT</b>  <b>[54] COMPOSITION ET METHODE POUR LE DEBRIDEMENT ENDODONTIQUE</b>  [72] PANNKUK, TERELL F., US  [71] PANNKUK, TERRELL F., US  [22] 2021-09-29  [41] 2022-04-09  [62] 3,132,491  [30] US (17/067,128) 2020-10-09</p>	<p style="text-align: right;">[21] <b>3,203,756</b> [13] A1</p> <p>[25] EN  <b>[54] SYNERGISTIC BACTERIAL COMPOSITIONS AND METHODS OF PRODUCTION AND USE THEREOF</b>  <b>[54] COMPOSITIONS BACTERIENNES SYNERGIQUES ET LEURS PROCEDES DE PRODUCTION ET D'UTILISATION</b>  [72] HENN, MATTHEW R., US  [72] LITCOFSKY, KEVIN DANIEL, US  [72] D'ONOFRIO, ANTHONY MARIO, US  [72] OHSUMI, TOSHIRO K., US  [72] MCKENZIE, MARY-JANE LOMBARDO, US  [72] VON MALTZAHN, GEOFFREY, US  [72] COOK, DAVID N., US  [72] BERRY, DAVID ARTHUR, US  [72] AFEYAN, NOUBAR B., US  [72] AUNINS, JOHN GRANT, US  [71] SERES THERAPEUTICS, INC., US  [22] 2014-11-25  [41] 2015-05-28  [62] 2,931,317  [30] US (61/908,702) 2013-11-25  [30] US (61/908,698) 2013-11-25  [30] US (62/004,187) 2014-05-28</p>
<p style="text-align: right;">[21] <b>3,203,657</b> [13] A1</p> <p>[51] Int.Cl. H05K 5/06 (2006.01)  [25] EN  <b>[54] CONTROLLER ENCLOSURE, MOUNTING AND ORIENTATION OF SAME</b>  <b>[54] ENCEINTE DE DISPOSITIF DE COMMANDE, MONTAGE ET ORIENTATION CORRESPONDANTS</b>  [72] CARLSON, BRIAN P., US  [72] CHERNIK, RYAN A., US  [72] DAHLGREN, ARON D., US  [72] NELSON, WESLEY M., US  [71] ECOLAB USA INC., US  [22] 2012-05-18  [41] 2012-11-29  [62] 3,083,181  [30] US (61/488,495) 2011-05-20</p>	<p style="text-align: right;">[21] <b>3,203,744</b> [13] A1</p> <p>[25] EN  <b>[54] PACKAGING FOR TOBACCO INDUSTRY PRODUCTS</b>  <b>[54] EMBALLAGE POUR PRODUITS DE L'INDUSTRIE DU TABAC</b>  [72] LEWIS, STEPHEN, GB  [72] MATTHEWS, PAUL, GB  [72] GHULAM MUSTAFA, ISAAK, GB  [71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB  [22] 2019-08-21  [41] 2020-02-27  [62] 3,110,133  [30] GB (1813734.9) 2018-08-23  [30] GB (1819133.8) 2018-11-23</p>	<p style="text-align: right;">[21] <b>3,203,760</b> [13] A1</p> <p>[25] EN  <b>[54] PLASMA FIRED STEAM GENERATOR SYSTEM</b>  <b>[54] SYSTEME DE PRODUCTION DE VAPEUR A PLASMA</b>  [72] RAO, LAKSHMINARAYANA, IN  [72] CARABIN, PIERRE, CA  [72] GAGNON, JEAN-RENE, CA  [72] KREKLEWETZ, WILLIAM, CA  [71] PYROGENESIS CANADA INC., CA  [22] 2014-09-12  [41] 2015-03-19  [62] 2,924,135  [30] US (61/877,150) 2013-09-12</p>
<p style="text-align: right;">[21] <b>3,203,680</b> [13] A1</p> <p>[25] EN  <b>[54] SHAPED POROUS CARBON PRODUCTS</b>  <b>[54] PRODUITS CARBONES POREUX MIS EN FORME</b>  [72] IAMOND, GARY M., US  [72] ZHU, GUANG, US  [72] MURPHY, VINCENT J., US  [72] DIAS, ERIC L., US  [71] ARCHER-DANIELS-MIDLAND COMPANY, US  [22] 2016-10-28  [41] 2017-05-04  [62] 3,003,665  [30] US (62/247,721) 2015-10-28  [30] US (15/131,829) 2016-04-18</p>	<p style="text-align: right;">[21] <b>3,203,747</b> [13] A1</p> <p>[25] EN  <b>[54] DYNAMIC SUPPORT APPARATUS AND SYSTEM</b>  <b>[54] APPAREIL ET SYSTEME DE SUPPORT DYNAMIQUE</b>  [72] STREETER, ALEXANDER D., US  [72] ALTOBELLINI, DAVID E., US  [72] PERRY, N. CHRISTOPHER, US  [71] DEKA PRODUCTS LIMITED PARTNERSHIP, US  [22] 2013-05-01  [41] 2013-11-07  [62] 3,089,876  [30] US (13/461,336) 2012-05-01</p>	<p style="text-align: right;">[21] <b>3,203,797</b> [13] A1</p> <p>[25] EN  <b>[54] CRAZY FRAME ROLLER</b>  [54]  [72] PERDIKOMATIS, NIKOLAOS CHRIS, CA  [71] PERDIKOMATIS, NIKOLAOS CHRIS, CA  [22] 2021-10-11  [41] 2023-04-11</p>

## **Canadian Divisional and Previously Unavailable Applications Open to Public Inspection**

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[21] **3,203,802**

[13] A1

[25] EN

[54] **METHOD AND SYSTEM FOR  
PREPARING AND/OR CARING  
FOR A MEDICAL OR DENTAL  
INSTRUMENT**

[54] **METHODE ET SYSTEME POUR  
PREPARER ET/OU ENTRETIENIR  
UN APPAREIL MEDICAL OU  
DENTAIRE**

[72] GALLUSEDER, FLORIAN, AT

[72] REITER, MICHAEL, AT

[71] W & H DENTALWERK BUERMOOS  
GMBH, AT

[22] 2021-02-23

[41] 2021-09-02

[62] 3,110,121

[30] EP (20160298.4) 2020-03-02

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[21] **3,203,832**

[13] A1

[25] EN

[54] **SNOW VEHICLE**

[54] **VEHICULE DE DENEIGEMENT**

[72] FUCHS, MICHAEL, US

[72] TELFORD, CODY, US

[71] POLARIS INDUSTRIES INC., US

[22] 2020-08-20

[41] 2021-02-20

[62] 3,091,610

[30] US (62/889,349) 2019-08-20

[30] US (16/995,960) 2020-08-18

# Index of Canadian Patents Issued

July 11, 2023

## Index des brevets canadiens délivrés

11 juillet 2023

24M TECHNOLOGIES, INC.	2,876,416	ARCELORMITTAL	3,133,408	BELL IDENTIFICATION BV	2,885,910
2726971 ONTARIO INC.	3,021,984	ARCELORMITTAL	3,133,435	BELL, DOUGLAS ANDREW	3,049,219
ABELS, BERNHARD	2,951,703	ARCELORMITTAL	3,136,175	BELLETT, PATRICK T	2,970,038
ACADEMISCH ZIEKENHUIS LEIDEN (H.O.D.N. LUMC)	2,966,300	ARCHAMBAULT, MICHAEL	2,977,107	BELLO-IRIZARRY, SHEILA N.	2,931,001
ACCENTURE GLOBAL SERVICES LIMITED	2,932,310	ARCTIC CAT INC.	3,139,476	BENYUNES, MARK C.	3,167,799
ACTIVE MEDIA SERVICES, INC. D/B/A ACTIVE INTERNATIONAL	3,030,186	ARENDS, JOHN MICHAEL	3,130,479	BERG, PAULO SERGIO	3,143,710
ADAMS-MCGAVIN, ROBERT CHRIS	3,022,316	ARMSTRONG WORLD INDUSTRIES, INC.	2,976,489	BERGMAYR, BENJAMIN	3,088,273
ADEYEMI, ADEKUNLE ADKINS, NAT, JR.	3,016,046	ARRIS ENTERPRISES LLC	3,126,812	BERGSTROM, SCOTT	3,021,984
ADVANCED BIODESIGN	3,093,428	ARSIC, NIKOLA	2,973,942	BERKEY, TYLER E.	3,027,681
ADVANCED BIOLOGICAL MARKETING, INC.	3,001,201	AS AMERICA, INC.	2,976,486	BERKSHIRE GREY OPERATING COMPANY, INC.	3,057,309
AGRICULTURE VICTORIA SERVICES PTY LTD	3,124,144	ASH MANAGEMENT ENGINEERING, INC.	3,099,777	BERRY, JASON	3,103,403
AHEARN, KEVIN	2,875,119	ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS	3,080,828	BERTOLI BARSOTTI, GIOVANNI	2,959,803
AHMED, SALEH	3,057,309	ASTRAND, ANNIKA	3,051,807	BETTERSEEDS LTD.	3,105,433
AHRENS, MICHAEL	3,115,568	BIRGITTA MARGARETA	2,995,430	BHARAJ, SURINDER	2,965,758
AINSWORTH, DAVID	2,903,942	ATHIAS, FRANKLYN	3,095,947	BIJU VALAKKADAVIL, THOMAS	3,067,846
AKI, TOMOHIKO	3,111,963	AZERRAF, CLARITE	2,998,989	BINDER + CO AG	3,135,316
ALAVATTAM, SREEDHARA	3,167,799	AZIM, AKRAMUL	3,146,217	BIOASIS TECHNOLOGIES, INC.	2,935,805
ALEMANY BONASTRE, RAMON	2,946,650	BABAEI, ALIREZA	3,135,030	BIOMET MANUFACTURING, LLC	3,050,637
ALLA, MADHUSUDHAN REDDY	2,922,319	BABYCH, OLEKSANDER	3,020,159	BIOVOTEC AS	2,963,595
ALLEN, GREGORY WAYNE	3,057,309	BAI, JIANDONG	3,100,585	BIRCH, LOUISE	3,115,568
ALLEN, THOMAS	3,050,637	BAI, YUN	3,010,966	BIRKIN, CHRISTOPHER	3,120,759
ALVAREZ, VICTOR JOSE	3,054,383	BAKELITE UK HOLDING LTD.	3,088,785	MALCOLM	3,130,479
ALVES-KOTZEV, NATASHA	3,135,735	BALDEMAIR, ROBERT	3,084,361	BIRMAN, STEVEN L.	2,952,138
AMAYA, KOICHI	3,057,309	BARKER, CLAYTON ROBERT, III	3,116,787	BISERNA, EZIO	3,150,931
AMEND, JOHN RICHARD, JR.	3,092,098	BARNARD, DIRK	3,143,710	BISHOP, JOHN	2,969,289
AMIMEUR, TILELI	3,167,799	BARRAS, LEONARD	3,157,471	BITZI, RAPHAEL	3,110,298
AMLER, LUKAS C.	2,987,998	BARRERE, STEPHANIE	3,078,178	BJ ENERGY SOLUTIONS, LLC	3,115,568
AMMON, GERHARD	3,003,496	BARRON-KRAUS, KYLE	3,049,219	BLACKHAM, EMMA	3,099,777
ANDERSON, LINDA K.	3,092,539	JAMES	3,030,467	BLAND, ALAN E.	2,934,588
ANDERSSON, GORAN	2,922,784	BARZ, MANFRED	2,975,918	BLOOMQUIST, KIRK E.	3,185,843
ANDRITZ INC.	2,960,796	BASLER, HERMANN	2,992,271	BMIC LLC	3,124,501
ANERINO, DANIEL J.	2,975,889	BATONNET, REMY	2,996,341	BOHM, SIVASAMBU	3,124,545
ANIBAS, FRANZ	3,092,271	BATTELLE MEMORIAL INSTITUTE	3,010,190	BOISGUERIN, PRISCA	3,090,600
ANSLEY, CAROL	2,989,740	BAUDIN, THIERRY	2,976,765	BOLY MEDIA	2,965,758
ANTHONY, PHILIP M.	2,992,271	BAUER, HEINZ	2,992,271	COMMUNICATIONS (SHENZHEN) CO., LTD.	2,946,960
AO, MINGQI	2,998,964	BAYER AS	2,989,740	BOMBARDIER INC.	2,951,703
APERAM	2,969,503	BAYER PHARMA	3,073,801	BON SAINT COME, YEMINA	3,124,501
APPS, CHRISTOPHER PAUL	2,992,271	AKTIENGESELLSCHAFT	3,073,801	BONNEAU, RICHARD P.	3,124,545
AQUAPAK IP LTD	2,992,271	BAZAN, HERNAN	2,965,758	BOON, CHOONG SENG	3,030,467
ARANYI, ERNIE	2,998,964	BAZAN, NICOLAS	2,922,319	BOON, CHOONG SENG	3,029,880
ARATANI MASATOSHI	2,992,271	BEAUPARLANT, JONATHAN	2,922,319	BORCHERS, GEORG	3,185,843
ARATANI, MASATOSHI	2,998,964	BEBLOW, DEAN ASHLEY	2,922,319	BORGES BELZA, MANUEL	2,992,108
ARBOGAST, TRAVIS R.	3,113,731	BEIJING FUTURE NAVIGATION	3,102,293	JACINTO	3,028,200
ARBUCKLE, STEPHEN	3,088,785	TECHNOLOGY CO., LTD	3,029,588	BOSS, DAN E.	3,028,200
ARCELORMITTAL	3,097,307	BEIJING QIYI CENTURY	3,030,467	BOSTIK SA	2,940,447
		SCIENCE &		BOSWORTH, ALAN N.	
		TECHNOLOGY CO., LTD.		BOTTOMLEY, MATTHEW	

**Index of Canadian Patents Issued**  
**July 11, 2023**

BOUDA, MOHAMMED CHAKIB	2,885,910	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)	2,973,942	COLPAERT, FILIP COMCAST CABLE COMMUNICATIONS, LLC	3,012,556 3,095,947
BOUDREAUX, CHASE J.	2,986,762	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS	3,078,178	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	2,915,853
BOURDA, MARCUS	3,050,637	CENTRE NATIONAL DE LA RECHERCHE		COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES	
BOWEN, M. SHANE	2,933,548				
BOX, ALLAN NEALE	3,020,159				
BOYDSTON, GERALD D.	2,935,796	CENTRE NATIONAL DE LA RECHERCHE			
BRADSHAW, GLENN ANDREW	3,096,523	SCIENTIFIQUE	3,031,327	ATOMIQUE ET AUX ENERGIES ALTERNATIVES	3,126,965
BRAND, MIKE	3,029,088	CENTRE NATIONAL DE LA RECHERCHE		ATOMIQUE ET AUX ENERGIES	
BREEBAART, DIRK JEROEN	3,080,981	SCIENTIFIQUE		ALTERNATIVES	
BRENNAN, MARK	3,111,422	CERTAINTEED LLC	3,051,807	COMPOSITE SOLUTIONS, INC.	2,972,404
BRENNER, TOD	3,031,504	CERVANTEZ, JESSE W.	3,113,731	COMROD AS	3,005,023
BRESTAZ, MARC	2,992,108	CERVANTEZ, JESSE W.	3,056,935	CONNOR, SPENCER KEITH	3,181,390
BRIDENSTINE, JOHN M.	2,935,796	CERVANTEZ, JESSE W.	3,113,430	CONRADO, ROBERT JOHN	3,129,223
BRIGHENTI, DONALD D.	2,951,703	CERVANTEZ, JESSE W.	3,134,236	COOKE, DONALD P., JR.	3,077,927
BRODELL, JAMES	2,931,001	CEYLAN, ISMAIL	3,001,201	COOPER, ANDREW DAVID	3,074,656
BROSSI, STEVEN	2,969,289	CHAIRGE LLC	3,157,630	COOPER, DAVID MATTHEW	3,080,981
BROUCHIER, JULIEN	3,074,656	CHANG, TANTRAN	3,087,279	COOPER, RICHARD JAMES	3,074,656
BROWN, DOUGAL	3,032,786	CHARLEBOIS, FREDERIC	2,965,758	COOPERAATIE KONINKLIJKE	
BROWN, RICHARD S.	2,976,765	CHASE, JEFFREY	2,972,404	AVEBE U.A.	3,128,492
BRUN, MICHEL	2,990,987	CHATURVEDI, RATHEEN	3,110,977	COOPERVISION	
BRYANT, JAY S.	3,061,391	CHEN LARSSON, DANIEL	3,084,361	INTERNATIONAL	
BUB, ANDREAS	2,976,341	CHEN, YILEI	3,129,118	LIMITED	3,176,970
BUENO, ARMAND	2,983,187	CHEN, YINGJIE	3,029,588	CORAFLA LTD.	2,975,804
BUGLER, THOMAS W.	3,010,855	CHEN, YONGMEI	2,929,868	COURTNEY, BRIAN	3,054,383
BULGRIN, CHARLES ALAN	2,967,091	CHEN, ZHICONG	3,100,585	COUSIN, DAVID	3,115,568
BURES, MICHAL	2,975,775	CHEN, ZHIWEI	3,124,154	COUTURE, PIERRE-ANDRE	2,977,107
BURGER, BLAKE NIGEL	3,077,812	CHEN, ZHIWEI	3,131,464	COVIDIEN LP	2,975,889
BURKHARDT, MARKUS	2,987,998	CHEN, ZHIWEI	3,134,245	COWELL, WILLIAM	3,071,372
BUSS, JASON R.	3,038,329	CHEUNG, WILSON	3,185,843	CPTPCO LLC	3,073,561
BUSS, TIMOTHY J.	3,038,329	CHICH, ADEM	3,185,843	CRABTREE, STEFAN	2,972,404
BUSSIÈRE, STEPHANE ERIC	2,969,503	CHILD, WILLIAM D.	3,130,479	CRAWFORD, JAMES T.	2,979,693
BUTLER, GEOFFREY ALLEN	3,112,536	CHIN, ALBERT K.	3,049,660	CROSS, JAMES C., III	2,876,416
BUTROS, ASLI	2,876,416	CHINTAMANANI, SATYA P.	3,080,638	CVETKOVICH, MARIE	3,044,003
C-FER TECHNOLOGIES (1999) INC.		CHONGQING HAIFU MEDICAL TECHNOLOGY		DADO, GREGORY P.	2,994,147
CADLE-DAVIDSON, MOLLY	2,914,144	CO., LTD.	3,088,814	DAETWYLER, HANS DIETER	2,875,119
CAFFITALY SYSTEM S.P.A.	2,985,321	CHOU, CHUAN-CHU	2,994,579	DAHMANI, MOHAMED	2,976,046
CALIFORNIA INSTITUTE OF TECHNOLOGY		CHOW, MOSES SING SUM	2,880,575	DAI, BIN	3,085,173
CAMPBELL, LACHLAN	2,881,656	CHRISTIAN, SEAN M.	2,975,918	DAI, PENG	2,968,673
CANADIAN SOLAR SOLUTIONS INC.	2,970,038	CHUAQUI, CLAUDIO EDMUNDO	2,995,430	DAIKIN INDUSTRIES, LTD.	3,093,659
CANDU ENERGY INC.	3,044,595	CHUCK, CHEN	3,006,686	DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD.	3,080,828
CAO, YU	2,976,046	CIENA CORPORATION	3,193,957	DAISS, JOHN L.	2,931,001
CAPITAL ONE SERVICES, LLC	3,140,712	CIMCORP OY	3,158,981	DAME, DENNIS	2,972,404
CAPPOLA, KENNETH	2,965,668	CIPOLLETTA, ANTHONY LUIGI	2,915,518	DANAN, SARAH	2,833,472
CARLISLE CONSTRUCTION MATERIALS, LLC	2,975,889	CITRIX SYSTEMS, INC.	3,074,656	DAVID, ANSH	3,146,217
CARTESIAN THERAPEUTICS, INC.	3,150,931	CITRIX SYSTEMS, INC.	3,109,582	DAVIDSON, PERRY	2,953,082
CARTMELL, SAMUEL S.	3,158,025	CJ CHEILJEDANG CORPORATION	3,091,909	DAVIS, MARK F.	3,080,981
CASTANO, MELISSA A.	2,976,765	CLARK, EMMA L.	3,167,799	DAVIS, PAUL	2,928,308
CAVANAUGH, PATRICK	3,030,186	CLARK, JOHN WESLEY	3,082,843	DAWSON-HAGGERTY, MICHAEL	3,057,309
CAZAUX, YANNICK	2,889,839	CLARKE, NATHAN	3,101,567	DAE BLOCK, RUDOLPH FRANK	3,003,241
CBN NANO TECHNOLOGIES INC.	2,983,187	CLARKSON, ROBERT LEWIS	3,015,100	DE BROUSSE & CREMANT INC.	3,124,722
CECCACCI, GERARDO	3,129,940	CLEARY, PATRICK	3,120,596	DE HAAN, WIEBE	2,850,031
CEIDOS SA	3,019,893	CLEVERON AS	3,050,144	DE TOLEDO PELIZON, CHRISTINA H.	3,167,799
CELL.COPEDIA GMBH	3,157,471	CLOSTIO, THOMAS J.	3,032,786	DECAUX, STEPHANE	3,013,243
CEMAG CARE	3,163,761	COCKS, BEN	2,875,119	DELAVIZ, YADOLLAH	2,986,762
	3,031,327	COFFEY, BRYAN DAVID	2,975,864	DELIBASIC, ERMİN	3,135,316
		COGAN, NOEL	2,875,119	DELIC, DENNIS VICTOR	2,990,466
		COHEN, BENJAMIN	3,057,309	DEMOS, NICKOLAS PETER	2,978,094
		COJOCARU, CRINA MARIA	2,975,960		

**Index des brevets canadiens délivrés**  
**11 juillet 2023**

DEMPSEY, JAMES F.	2,905,088	ECOLE NATIONALE SUPERIEURE DE CHIMIE DE PARIS (ENSCP)	3,031,327	FOSTER, JOSEPH FRAILEY, NATHAN GREGORY	3,110,298
DENG, FEIMING	3,124,154			FRANK'S INTERNATIONAL, LLC	2,935,796
DENG, FEIMING	3,131,464			FRAUNHOFER-	3,032,786
DENG, FEIMING	3,134,245	ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLE (ESPCI)	3,031,327	GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	2,923,325
DENG, JIANWEN	3,113,732			FREEMAN, MALLORY	3,107,946
DENG, XIAOQING	3,124,154			FREGNANI, JOSE A.	3,028,394
DENG, XIAOQING	3,131,464	EDELMAN, MATTHEW	3,145,442	FREITAS, JR., ROBERT A.	3,129,940
DENG, XIAOQING	3,134,245	EGLEY, BERT D.	3,004,754	FRESENIUS MEDICAL CARE HOLDINGS, INC.	3,004,754
DENG, ZHIQUN	2,976,765	EIGER, AARON B.	2,976,486	FROMANTIN, ISABELLE	3,031,327
DENTSPLY SIRONA INC.	3,031,504	EIXELBERGER, RAINER	3,135,316	FROSTEROD, JARLE	3,005,023
DEPUY SYNTHES PRODUCTS, INC.	2,981,256	EKL, REINHARD	3,174,349	FUH, GERMAINE	2,931,113
DER MARDEROSIAN, DANIEL R.	3,120,596	EKSTEEN, MARIANA	2,943,857	FUHRHERR, RICHARD	3,055,116
DERNEDDE, MATHIAS	3,030,467	ELECTROPHORETICS LIMITED	2,985,003	FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.	3,109,746
DEROSA, FRANK	2,838,063	ELENIAK, GLEN MURRAY	2,922,319	FUJIAN XIHE SANITARY WARE TECHNOLOGY CO., LTD.	3,124,154
DESPRES, MICHAEL J.	2,996,568	ELINSKI, RANDALL M.	3,113,731	FUJIAN XIHE SANITARY WARE TECHNOLOGY CO., LTD.	3,131,464
DESROSIER, JOHN	2,951,703	ELSLEY, MATTHEW	3,044,079	FUJITSU LIMITED	3,108,047
DETNET SOUTH AFRICA (PTY) LTD	3,120,759	EMOMO TECHNOLOGY CO., LTD.	3,124,488	FULLERINGER, BENJAMIN	2,983,187
DETTORI, DANIELE	2,959,803	EMTECH GROUP INC.	3,146,217	FUNDACIO INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)	2,946,650
DEVANGA CHINTA, DAKSHINAMURTHY	3,144,938	ENANTA PHARMACEUTICALS, INC.	2,968,673	FUJIBAYASHI, AKIRA	3,124,501
DHADDA, JASWINDER	3,104,378	ENVIRONMENTAL METAL WORKS LTD.	3,166,373	FUJIBAYASHI, AKIRA	3,124,545
DHANABALAN, PRAVEEN RAJA	3,109,582	EQUIFAX INC.	3,059,314	GABARDO, CHRISTINE	3,022,316
DI IORIO, STEPHANE	3,126,965	EQUINOR ENERGY AS	3,002,330	GABATHULER, REINHARDT	2,935,805
DIAS, REBECCA	3,111,422	ERNST, JAMES	2,929,868	GADEA, GILLES	2,973,942
DIEHL AVIATION LAUPHEIM GMBH	2,947,210	ERSOZ, ELHAN SULTAN	3,080,638	GAO, ALLAN HAIMING	3,129,223
DIEHL, MICHAEL	3,030,467	EVAPCO, INC.	3,010,855	GAO, LIXIN	3,137,198
DILLER, SCOTT P.	2,998,235	EVONIK OPERATIONS GMBH	3,029,088	GAO, WENXIU	3,120,596
DINAN, ESMAEL	3,135,030	EVONIK OPERATIONS GMBH	3,030,467	GARCIA, CAROLINA BURGOS	3,073,801
DIZAL (JIANGSU) PHARMACEUTICAL CO., LIMITED	2,995,430	EXTRACTOR CORPORATION	2,966,300	GARRETT, LISA	3,055,116
DOHERTY, TRISTAN	2,876,416	EYRING, MATTHEW J.	2,994,579	GAYNOR, KEVIN K.	3,028,200
DOHLER, HARDI	3,029,088	F. HOFFMANN-LA ROCHE AG	3,075,368	GCK PRODUCTS, LLC	2,996,568
DOLBY INTERNATIONAL AB	3,080,981	FAHEY, MICHAEL P.	2,935,796	GELION TECHNOLOGIES PTY LTD	2,952,138
DOLBY LABORATORIES LICENSING CORPORATION	3,080,981	FALKENBURG, J.H. FREDERIK	3,157,630	FUSAROLI, DANILO	2,903,942
DOMAZETOVIC, ANDREJ	2,976,523	FAN, XIAOHU	2,951,703	GABARDO, CHRISTINE	2,929,868
DONA, CHRISTIAN	3,118,347	FANGROW, THOMAS F., JR.	2,992,319	GADEA, GILLES	2,929,868
DONG, XIAO DANIEL	3,030,467	FARKAS, ALEXANDER T.	3,146,217	GAO, LIXIN	3,167,799
DONG, XUE MIN	2,994,147	FARLEY, DANIEL G.	3,166,373	GAO, WENXIU	3,129,118
DORF KETAL CHEMICALS FZE	3,028,112	FARQUHARSON, KEITH DAVID	3,086,876	GEN-PROBE INCORPORATED	3,129,118
DOUCHI, SADAO	3,122,795	FARZADPOUR, FARSAM	3,086,876	GENENTECH, INC.	3,129,118
DRAKE, DONALD	3,035,059	FEHR, JUAN	3,091,795	GENENTECH, INC.	3,129,118
DSM IP ASSETS B.V.	3,030,467	FEHRMANN GMBH	3,091,795	GENEST, NICHOLAS	3,129,118
DUAN, HOULI	3,079,123	FEHRMANN, HENNING	3,095,795	GEORGE, JOVIN	2,932,310
DUBE, JAKE	2,951,703	FEMTONICS KFT	3,095,795	GEORGE, PASCAL	3,115,568
DUDUTA, MIHAI	2,876,416	FENG, XIATING	3,142,646	GEORGES, BENOIT	2,946,960
DUFFY, LORNA	3,115,568	FENG, ZHIYONG	3,113,732	GEYER, CHRISTOPHER	3,057,309
DUFOURCQ, JOEL	2,915,853	FEREIRA, EDGAR	3,061,391	GEYER, ROLAND	2,710,260
DUGAY, JOSE	3,031,327	FITZNER, MARC	3,076,926	GHOROGHCHIAN, P. PETER	2,991,101
DUNN, MOLLY	3,080,638	FJALESTAD, KJETIL	3,002,330	GIALLORENZI, THOMAS R.	3,071,933
DUTTA, MAITREYEE	2,970,968	FLUEGGE, CRAIG ALAN	3,040,176	GENESE, NICHOLAS	3,129,118
Dwyer Instruments, Inc. EAST JORDAN PLASTICS, INC.	3,103,403	FLUOR TECHNOLOGIES CORPORATION	3,087,123	GENEST, NICHOLAS	3,129,118
EBIO NUTRITIONAL SCIENCES LLC	2,998,235	FOLLMANN, MARKUS	3,095,606	GEORGE, PASCAL	3,115,568
	3,144,938	FORT, PHILIPPE	3,098,740	GEORGES, BENOIT	2,946,960
		FORT, WILLIAM HARTMAN	3,057,309	GEYER, CHRISTOPHER	3,057,309
		FOSS, LUCINDA KATHRYN	3,080,638	GEYER, ROLAND	2,710,260
		FOSTER, DAVID JAY		GHOROGHCHIAN, P. PETER	
				GIALLORENZI, THOMAS R.	

**Index of Canadian Patents Issued**  
**July 11, 2023**

GIL, JULIO	3,107,946	HALLIBURTON ENERGY SERVICES, INC.	3,085,173	HOWES, GORDON	3,120,596
GILLIS, BROCK	3,166,801	HAMEL, ROSS	2,981,256	HSIAO, ELAINE	2,881,656
GILSON, ROSS	3,023,556	HAMILTON, MARK	3,126,812	HSMA, LLC (D/B/A ECO FLAPS)	3,119,844
GINGRAS, DAVID	2,977,107	HAMILTON, WILLIAM D.O.	2,985,003	HU, JUN	3,029,588
GIRAUD, JEAN-LUC CLAUDE ROBERT	3,074,656	HAMSMITH, MATHEW	3,024,338	HU, XIAOPING	3,099,600
GIRE, VERONIQUE	2,973,942	HAN, HUI	2,933,548	HUANG, CHAO-MING	3,051,923
GIUBERTONI, EFREM	2,919,045	HAN, XIANGMIN	2,986,762	HUANG, DANIEL	3,016,046
GLAXOSMITHKLINE BIOLOGICALS SA	2,940,447	HANDLECHNER, PAUL	3,088,273	HUANG, YING	2,880,575
GOLETTA, VALERIE	2,969,072	HANIKEL, NIKITA	3,120,865	HUANG, ZHONGPING	3,100,585
GOMES, EVAN	3,035,059	HANYI BIO-TECHNOLOGY (BEIJING) CO., LTD	3,087,279	HUAWEI TECHNOLOGIES CO., LTD.	2,911,126
GOMES-LUIS, MARC	3,020,159	HAO, CHAO	3,121,888	HUBERT, OLIVIER	2,992,271
GOMEZ, JULIO ALVAREZ-BUILLA	3,073,801	HAO, JIAYING	2,994,579	HUGHES, JESSICA R.	3,112,536
GOODWIN PLC	2,999,112	HARAGUCHI, KOHEI	3,082,317	HULL, JOHN	3,016,046
GOODWIN, MATTHEW STANLEY	2,999,112	HARMS, ANDREAS	2,947,210	HULTAFORS GROUP AB	3,092,539
GORDON, BLAKE	3,106,018	HARRIS, BRIAN	3,139,476	HUMPLIK, THOMAS	2,961,351
GOYETTE, CHAD ALBERT	2,951,703	HARVEY, MICHAEL P.	3,077,927	HUNT, ANTON STUART	2,978,094
GRAML, DOMINIK	3,088,273	HASSLACHER, MEINHARD	2,710,260	HUNTLEY, JAKE	3,105,142
GRAUER, DIETER	3,029,088	HAUBER, ROBERT J.	2,935,796	HURNANEN, TERO	2,976,602
GRECU, TUDOR	2,995,430	HAYDEN, MATTHEW JAMES	2,875,119	HUSEBEKK, ANNE	2,943,857
GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI	3,100,585	HAYES, BEN	2,875,119	HWANG, JUNGTAIK	2,914,236
GRiffin, DEREK WAYNE	3,129,223	HAZELWOOD, ASA	3,119,844	HWANG, YU-SHIK	3,050,087
GRILLBERGER, LEOPOLD	2,710,260	HBI BRANDED APPAREL ENTERPRISES, LLC	3,071,372	HYLAND, GREGORY E.	3,116,787
GRIMSTER, NEIL PATRICK	2,995,430	HE, HAIYING	3,109,746	IBIQUITY DIGITAL CORPORATION	2,975,429
GROSECLOSE, DENNIS W.	2,934,588	HE, JING	2,968,673	IBIQUITY DIGITAL CORPORATION	2,976,523
GROUNDPROBE PTY LTD	2,970,038	HEAL, JONATHAN R.	2,985,003	IBIQUITY DIGITAL CORPORATION	3,113,992
GRST INTERNATIONAL LIMITED	3,041,000	HEARTLEIN, MICHAEL	2,838,063	ICU MEDICAL, INC.	3,075,368
GUAN, ZHICHAO	3,128,271	HEAVEN, THOMAS	2,889,839	IFP ENERGIES NOUVELLES	2,954,354
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	3,099,869	HEDLUND, LEO	2,710,155	IHC HOLLAND IE B.V.	2,959,301
GUDERZO, MARCO	2,979,934	HEEMSKERK, MIRJAM H.M.	2,966,300	IHLE, OISTEIN	2,943,857
GUENTHER, JOHAN	3,166,373	HELBERT, ANNE-LAURE	2,992,271	ILLUMINA CAMBRIDGE LIMITED	3,060,979
GUILD, BRAYDON CHARLES	2,838,063	HENDRICKSON USA, L.L.C.	3,056,935	ILLUMINA, INC.	2,933,548
GULFSTREAM AEROSPACE CORPORATION	3,109,864	HENDRICKSON USA, L.L.C.	3,113,430	INCU MEDICAL, INC.	3,060,979
GULLBERG, DANIEL	2,934,867	HENDRICKSON USA, L.L.C.	3,134,236	INDELLA PHARMA	3,050,144
GUO, TONGCUI	3,069,442	HEULENS, JEROEN	2,991,599	INDIA GLOBALIZATION CAPITAL, INC.	3,001,429
GUTHRIDGE, KATHRYN MICHAELA	2,875,119	HEUSINKVELD, LEONARD JOHAN	2,983,270	INDUSTRIAL GALVANIZERS CORPORATION PTY LTD	2,961,410
GUY, NICOLAS	2,954,354	HENKEL AG & CO. KGAA	3,016,046	INNOTECH ALBERTA INC.	2,926,113
GWINNER, MARTIN	2,976,341	HERBEN, WILLIAM C.	3,019,258	INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE)	3,076,936
HAAG, LINDSAY MARK	3,166,373	HERD, OLIVER	3,057,309	INSTITUT CATALA D'ONCOLOGIA (ICO)	3,051,807
HAAVIND, ERIK	2,967,735	HERSHEY, RYAN	2,987,998	INSTITUT CURIE	2,946,650
HABERLAND, JURGEN	3,030,467	HERTEL, CHRISTOPH	3,071,933	INTERCONTINENTAL GREAT BRANDS LLC	3,031,327
HAGEN, NORBERT D.	2,985,850	HESS, GEORG	3,124,983	INVENTIO AG	3,104,378
HAGEN, TROND	3,134,135	HEULENS, JEROEN	3,041,000	INVENTIO AG	2,953,420
HAGMAN, WADE JOSEPH	3,076,936	HO DUC, HONG LINH	2,968,971	IRECO, LLC	2,969,289
HALL, KEVIN MARK	3,015,812	HO KAM PIU	2,968,971	ISAZADEH, SIAVASH	2,998,932
HALL, WILLIAM KEVIN	2,975,918	HOFFMAN, HUGH J.	2,947,210	ISHIKAWA, KAZUTOSHI	3,098,308
HALLIBURTON ENERGY SERVICES, INC.	3,110,977	HOFFMAN, LINDSAY A.	2,976,046	ISONO, YASUYUKI	3,139,909
HALLIBURTON ENERGY SERVICES, INC.	3,058,713	HOFFMANN, MATTHIAS	2,976,164	IYUNNI, VENKATA SESHA	3,080,828
HALLIBURTON ENERGY SERVICES, INC.	3,085,173	HOLTZ, RAYMOND	3,105,285	SAYI NATH	3,157,099
HALLIBURTON ENERGY SERVICES, INC.	3,134,135	HONG, IN SEOB	2,915,853	JABUSCH, TYLER	3,032,786
		HONKANEN, JARNO	3,158,981		
		HORSCH, ANDREA	3,081,979		
		HORSTMAN, ANTHONY SCOTT	3,105,285		
		HOTBLOCK ONBOARD	2,965,758		
		HOULE, MATHIEU			

**Index des brevets canadiens délivrés**  
**11 juillet 2023**

JACKSON, DELWIN S.	3,003,496	KENNEY, BRENT	3,071,933	L'AIR LIQUIDE, SOCIETE
JAGANNATHAN, SRINIVASAN	3,110,977	KENNY, ENDA	2,963,595	ANONYME POUR
JALILIAN, SEYED EHSAN	3,016,046	KERAMEDIX INC.	3,050,087	L'ETUDE ET
JANG, JAE HYUNG	3,125,099	KETCHEM, RANDAL R.	3,092,098	L'EXPLOITATION DES
JANG, JAE WOO	3,091,909	KETNER, MARK ENNIS	3,144,938	PROCEDES GEORGES
JANSSEN, MATTHIAS	3,075,368	KETTLE, JASON GRANT	2,995,430	CLAUDE
JAPAN CASH MACHINE CO., LTD.	3,082,317	KEYES, THOMAS JOSEPH	2,950,860	3,098,308
JARDINI, TONI	3,146,217	KHAN, ARNAB	3,106,018	L'ISOLANTE K-FLEX S.P.A.
JENSEN, FRODE	2,967,735	KHAN, NAIMUL MEFRAZ	3,054,383	3,067,846
JENSEN, JONAS	3,116,633	KHOSROHEIDARI, MAHDIEH	3,060,979	L3HARRIS TECHNOLOGIES,
JEON, HYOUNGSUK	3,135,030	KIENLE, STEFAN	2,985,003	INC.
JFE STEEL CORPORATION	3,133,451	KIM, GEUN IL	3,028,394	3,071,933
JFE STEEL CORPORATION	3,139,909	KIM, HOK SEON	2,929,868	LAKSHMINARASIMHAN,
JHA, PRANAB NARAYAN	3,110,977	KIM, KYUSANG	3,000,655	CHAKRAVARTHY
JI, YINGZHANG	3,069,442	KIM, SO YEON	3,050,087	2,932,310
JIANG, LEI	3,113,732	KIM, SOL	3,091,909	LALIVE, PATRICE
JIANG, YINGKAI	3,041,000	KING, JENNIFER EILEEN	3,057,309	2,938,366
JIANG, ZHIGAN	3,109,746	KIRKWOOD, CRESTA	3,055,606	LAN, JUSTIN HONSHUNE
JIN, QIAN	3,087,279	KIVISAKK, ULF	2,934,867	3,112,536
JOHANSSON, ANDERS	2,710,155	KJELDSEN, POUL	3,116,633	LANAU, SEBASTIEN
JOHNSON, ANTHONY FRANCIS	2,998,964	KJOERLING, KRISTOFER	3,080,981	2,991,599
JOHNSON, BRICE A.	3,112,536	KLEIN, TIMOTHY RYAN	3,082,843	LANDERS, THOMAS
JOHNSON, GRAHAM	2,973,949	KLOSTERMANN, ANDREAS	2,954,076	3,109,864
JOHNSON, MICHAEL BENJAMIN	3,030,467	KNIBBEKER, CHARLES		LANDMARK GRAPHICS
JONES, CHRISTOPHER MICHAEL	3,085,173	LEONARDUS CORNELIUS		GMBH
JONES, GERAINT	3,115,568	MARIA	2,850,031	2,989,239
JORDAN, LAWRENCE B.	3,024,338	KNIGHT, BYRON J.	2,985,850	LANZATECH, INC.
JORDAN, LEWIS	3,059,314	KOCH, DALE	3,090,425	3,129,223
JOSHUA, ALLAN	3,059,314	KOCH, DALE M.	3,122,873	LARKINS, NICK
JOWETT, ROBIN ERIC NICHOLAS	2,992,605	KOEKEMOER, ANDRE LOUIS	3,120,759	3,044,079
JS2 SYSTEM SOLUTIONS LLC	3,015,812	KOENIG, PATRICK	2,931,113	LAROSE, PAUL
JURRAS III, MARK IVAN	3,120,759	KOEPPEL, ADAM R.	2,965,668	2,925,515
JURY, KEVIN	3,001,228	KOIVISTO, TERO	2,976,602	LARSEN, NIKOLAS
JUST-EVOTEC BIOLOGICS, INC.	3,092,098	KOLETSCHKA, THOMAS	2,903,942	2,987,786
KABACIK, LUKASZ	2,903,942	KOLODZIEJCZYK, ERIC	2,965,981	LARSEN, SCOTT
KAEB, JASON	3,145,442	KOLOSNTSYN, VLADIMIR	3,133,451	2,981,256
KAEB, PAUL	3,145,442	KONDOU, TOMONORI	3,139,909	LARSON, ERIC RICHARD
KAIPAINEN, VESA	2,922,784	KONDOU, TOMONORI	2,850,031	3,119,844
KALATI, RITESH	2,984,095	KONINKLIJKE PHILIPS N.V.	2,909,422	LARSSON, LINN
KALAYOGLU, MURAT V.	3,158,025	KOPPEL, ANU	2,903,659	2,934,867
KALBANDE, ANGELA	3,060,979	KOROLEV, DMITRY	2,985,031	LASKAR, WILLIAM JOSEPH
KALE, VAIDHEI SUBHASH	2,970,968	KOUNO, YASUHIRO	2,965,668	3,015,100
KAMALA, TIRUMALAI	3,035,059	KOVAL, MICHAEL CAP	3,057,309	LAUFER, WILHELM
KAMALAPURAM, RAMANJANEYA REDDY	3,109,582	KRAMER, THOMAS A.	3,049,660	2,989,239
KANIA, JASON	2,889,839	KRASNOW, GREGORY ALLEN	3,049,219	LEE, MICHAEL
KANSAI PAINT CO., LTD.	3,130,043	KREUSS, MARKUS	2,969,167	2,971,274
KAPUR, MANISHA	2,932,310	KRISHNA, RANGA CHELVA	2,961,410	LEGEND BIOTECH IRELAND
KARLSON, JAN ROGER	3,010,190	KROEGER, BRIAN W.	2,903,942	LIMITED
KATAOKA, YASUYUKI	3,073,682	KRUGER, MICHAEL JACOBUS	3,113,992	2,994,579
KATONA, GERGELY	2,994,903	KSI CONVEYOR INC	3,120,759	LEHNER, HANS-PETER
KAWAGUCHI, SHINJI	3,071,229	KUBICK, STEFAN	3,145,442	3,122,143
KAWATKAR, SAMEER	2,995,430	KUHN, KARSTEN	2,925,515	LEHNERT, WERNER
KAYA, NOBUYUBI	3,148,916	KUMAR, ANIL	2,941,601	2,965,576
KEEFE, ROBERT PAUL	3,116,787	KUMAR, ANJANI	3,158,025	LEONHARD KURZ STIFTUNG
KEIR, NANCY J	3,176,970	KUNTZ, CARL	3,003,496	& CO. KG
KEISER, HUGO	2,953,420	KURTOGLU, METIN	2,925,515	2,987,998
		KUSH, MATTHEW T.	2,967,091	LERCEL, MARK S.
		KUTT, ARNO	3,050,144	LES INDUSTRIES RONDI INC.
		KUUSELA, TOM	2,976,602	2,998,235
		KWON, IL-KEUN	3,050,087	LHOTAK, MARTIN
		KWONG GLOVER, ZEPHANIA	3,167,799	3,044,003
		W.		LI, HANGSHENG
				3,030,186
				LI, HAOCHEN
				2,892,740
				LI, HUIDONG
				3,069,442
				LI, JIA
				2,976,765
				LI, LEI
				3,137,198
				LI, NENGWEN
				3,140,712
				3,157,543

**Index of Canadian Patents Issued**  
**July 11, 2023**

LI, SANYONG	3,088,814	MALINOUSKAYA, IRYNA	2,954,354	MICHAELSEN, TERJE	2,943,857
LI, SHIPING	3,142,646	MALITO, ENRICO	2,940,447	MICHNA, RICHARD JOSEPH	3,120,759
LI, XINCAI	3,070,002	MALTSEVA, INNA	3,176,970	MIDDLE EAST MINE AND INDUSTRY COMPANY	3,142,595
LI, XUE QUAN	3,161,618	MANJON FERNANDEZ, ALVARO	3,133,408	MIDDLETON, CHRISTOPHER	2,909,764
LIAN, MENG	3,087,279	MANNSFELD, TIBOR	2,987,998	MIDORIKAWA, TETSUSHI	3,135,735
LIANG, GANG	3,100,585	MANTE, JAN	3,098,308	MIIKKULAINEN, KARI	3,158,981
LIGAS, JOHN S.	3,003,496	MANTOVANI, FRANCESCO	2,952,138	MILBAR, MAREK	2,975,429
LIMTHONGKUL, PIMPAA	2,876,416	MANTZILAS, DIMITRIOS	3,010,190	MILLER, BENJAMIN D.	2,968,971
LIN, FENG	3,142,646	MAO, XUDONG	3,113,732	MILLER, J. CLAYTON	3,077,927
LIN, XIAOFA	3,124,154	MARATHON PETROLEUM COMPANY LP	2,987,786	MILNES, THOMAS B.	2,961,351
LIN, XIAOFA	3,131,464	MARGALIT, IDO	3,105,433	MING, DARRON	3,119,844
LIN, XIAOSHAN	3,124,154	MARIAU, JEREMIE	3,001,429	MING, YAO	3,120,596
LIN, XIAOSHAN	3,131,464	MARONEY, KYLE	3,057,309	MISHINA, TAKESHI	3,108,047
LIN, XIAOSHAN	3,134,245	MARQUARDT, TOBIAS	2,989,740	MITCHELL, LADA	3,167,799
LIN, ZHENHUA	3,100,585	MARSHALL, GREGORY CHARLES	3,015,100	MITSUBISHI ELECTRIC CORPORATION	3,093,079
LINDE		MARTIN, GUILLAUME	3,001,201	MITTERER, ARTUR	2,710,260
AKTIENGESELLSCHAFT	2,976,341	MARTIN, JAMES L., II	2,973,338	MIZUCHI, KATHRYN	2,976,164
LITTLE, JEFF	3,150,931	MARTIN, NICOLAS FEDERICO	3,080,638	MOHAMEDRASHEED, ANNERVAZ	
LIU, ALEX	3,109,335	MARTINELLI, MANUELE	2,940,447	KARUKAPADATH	2,932,310
LIU, HONGJIN	3,109,335	MARTINEZ, JAYSON J.	2,976,765	MOHTY, MOHAMAD	3,051,807
LIU, HUAWEI	3,088,814	MARTZ, ANDREW S.	2,932,100	MOLOGIC LIMITED	2,928,308
LIU, JERRY JUNKAI	3,158,597	MARTZ, MARTIN G.	2,932,100	MONNET, THIBAULT	3,126,965
LIU, JUAN	3,070,002	MARUGAN, JUAN	2,973,949	MONTERO, JUAN	3,166,801
LIU, MINGLIANG	3,137,198	MARVIN LUMBER AND CEDAR COMPANY, D/B/A		MORALES, CESAR	3,105,142
LIU, QIQIAO	3,124,154	MARVIN WINDOWS AND DOORS	3,077,812	MOREAU, VIRGINIE	2,946,960
LIU, QIQIAO	3,131,464	MASON, JOHN GREGORY	2,875,119	MORIN, FRANCOIS	3,044,003
LIU, SHENGYANG	3,113,732	MASON, MATTHEW T.	3,057,309	MORRIS, JEFFREY S.	3,134,236
LIVELY, KYLE JAY	3,015,100	MATHIAS, PAUL M.	3,059,795	MOTION COMPOSITES INC.	2,977,107
LOCHNER, THOMAS	2,987,998	MATSUI, RYOJI	3,133,451	MOTOYOSHI, KATSUYUKI	3,093,079
LOCK II, L.L.C.	3,077,927	MATSUI, RYOJI	3,139,909	MOTZ ENTERPRISES, INC.	3,022,297
LOCKHEED MARTIN CORPORATION	3,181,390	MATSUURA MACHINERY CORPORATION	3,135,735	MOTZ, JAMES G.	3,022,297
LONG, JIANG	2,968,673	MATSUURA, SATOSHI	3,108,047	MOTZ, MATTHEW J.	3,022,297
LOPEZ FRENSO, JOSE	3,133,408	MATTHEWS, KIRT LYVELL, SR.	3,030,467	MOYHER, CHARLES	3,073,273
LOPEZ, GEORGE A.	3,075,368	MAYER, CHRISTOPHER MORGAN	2,959,803	MU, XUCHENG	3,102,293
LOSSOV, REMI	3,050,144	MAZMANIAN, SARKIS K.	3,074,656	MUELLER INTERNATIONAL, LLC	3,116,787
LOWE'S COMPANIES, INC.	3,106,018	MC RANCH OVERLAND INC.	2,881,656	MUKHERJEE, PRATYAY	3,129,118
LU, JUN	2,976,765	MCBride, SARA	3,057,660	MUKUND, RAMACHANDRA	2,961,410
LU, KANG	2,795,628	MCCABE, JAMES	2,881,656	MULLIS, JOHN VINCENT	3,019,258
LUDEMANN, JAN	3,055,116	MCGRATH, DAVID S.	3,057,309	MUNDT, HARALD	3,080,981
LUK, ANDREW	3,176,970	MCINALLY, GERALD	3,022,316	MUNTS, EDWIN ALBERT	2,959,301
LUMBATIS, KURT	3,126,812	MCKAY, IAN	2,961,351	MURRAY, BRONSON	3,181,390
LUO, HUAXUN	3,140,712	MCMAHAN, WILLIAM CHU- HYON	3,076,926	MUST, TARMO	3,050,144
LUPIEN, PIERRE-PAUL	3,124,722	MCMILLEN, PAUL	3,050,637	MYERS, VERNE, H.	2,976,486
LUTRON TECHNOLOGY COMPANY LLC	3,108,018	MEBARAK, EDWARD	2,981,459	NAIR, NIRMALA SANTOSH	2,970,968
LYU, HAO	3,120,865	MEDELA HOLDING AG	3,057,309	NAKAMIZU, MASATO	3,130,043
MA, WEI-CHIU	3,158,597	MEDI GMBH & CO. KG	3,022,316	NAMIKI, KAZUSHIGE	3,071,229
MA, WENJI	3,069,442	MELODEA LTD.	3,076,926	NANJING YANCHANG REACTION	
MAAK, PAL	2,994,903	MENG, WEIMIN	3,050,637	TECHNOLOGY	
MACLATCHIE, MITCHEL J.	2,971,710	MERCIER, MICHAEL W.	2,976,164	RESEARCH INSTITUTE	
MADASU, SRINATH	3,111,615	MERCIER, RALPH C.	3,122,143	CO., LTD.	3,140,712
MADDIPATLA VENKATA, SRIRAMA N.	3,088,785	MERKLE, ELODIE	2,998,989	NARGEOT, JOEL	3,078,178
MAGAR, CORALIE	3,133,435	MERCIER, PHILIPPE	3,140,712	NATIONAL OILWELL VARCO	
MAGNONE, ZACHARY L.	2,951,703	MEYER, DANIEL	3,049,906	NORWAY AS	2,967,735
MAHMUDOV, ROVSHAN	3,098,308	MEYER, RALPH C.	3,129,940	NATRAJAN, RAJEH GANESH	2,932,310
MAIA DA SILVA, FRANCISCO JOSE	2,975,960	MEUNIER, ELODIE	2,946,960	NAUMANN, MARCO	3,122,143
MAIDA, JOHN LAURETO, JR.	3,085,173	MEYER, THOMAS B.	3,120,596	NCS MULTISTAGE INC.	3,166,801
MAIORANA, ANTHONY	3,088,785	MEYER, PHILIPPE	3,165,733		
MAKI, BRIAN	2,998,932				

**Index des brevets canadiens délivrés**  
**11 juillet 2023**

NEC PLATFORMS, LTD.	3,112,675	OSTERMAYER, JOHN	2,961,130	PIOT, CHRISTOPHE	3,078,178
NEJAKO, MARK EDWARD, II	3,030,467	OSTLUND, MARTIN	2,934,867	PITCHER, STEPHEN N.	3,035,665
NEKHAMKIN, MICHAEL	2,976,523	OTICO	2,924,302	PITSCH, WALTER	2,976,486
NELLES, PETER F.	2,977,352	OTTO TORPEDO COMPANY	3,080,798	PLAIMAUER, BARBARA	2,710,260
NESHEIM, GARY L.	2,977,352	OVEIS GHARAN, SHAHAB	3,193,957	PMOTION, INC.	3,186,651
NESHEIM, GRANT L.	2,977,352	OWENS CORNING		POLIDORO, JOHN M.	3,144,938
NEUFELD, CORNELIO	3,166,373	INTELLECTUAL		POLLPETER, ERIC	3,049,906
NEVO, YUVAL	2,998,989	CAPITAL, LLC	2,986,762	POLLPETER, ERIC JEFFERY	3,040,176
NEVO, ZVI	3,026,989	OZAKI, NORIMASA	3,111,963	POLUMBUS, CLAY	3,073,561
NEW ENGLAND WHEELS, INC.	2,925,515	PADULA, ANDREW	2,980,764	POMORIN, JURGEN	3,029,088
NEWBOLD, PATRICK L.	3,071,933	PADVOISKIS, JULIA	3,040,176	PONS, VICTORIA M.	2,975,918
NGUYEN, HENRY	3,003,496	PADVOISKIS, JULIA	3,049,906	POPE, SCOTT ARTHUR	2,922,784
NHWA PHARMA. CORPORATION		PAIVA REBELO CEREJO CRESPO, HELDER MANUEL		POSEIDA THERAPEUTICS, INC.	
NICOLAS, MATTHIEU	3,121,888		2,975,960	POTTER, DANIEL STEPHEN	2,991,101
NICOLET, JEAN-LOUIS	2,833,472	PALFINGER AG	3,088,273	POURMAND, ALIASGHAR	2,976,349
NICOVENTURES TRADING LIMITED	2,833,472	PANKALA, MIKKO	2,976,602	PRECISION PLANTING LLC	3,142,595
NIDERBERG, ALEX L.	3,079,803	PAOLETTI, LUCIANO	2,985,321	PRECISION PLANTING LLC	3,090,425
NILSSON, MAGNUS K.	2,965,668	PAPASOTIRIOU, IOANNIS	3,119,597	PRECORDIOR OY	3,122,873
NIPPON STEEL CORPORATION	2,995,430	PAQUETTE, WILLIAM D.	3,073,949	PRESTON, TIMOTHY JAMES	2,976,602
NISSAN MOTOR CO., LTD.	3,013,243	PARAMESWARAN,		PREUX, CHRISTOPHE	2,999,112
NISSAN MOTOR CO., LTD.	3,026,209	AMALNNATH	3,146,217	PRICE, GENE TEMPLE	2,954,354
NISSAN MOTOR CO., LTD.	3,071,229	PARDINI, GIONATA	2,959,803	PRIHODA S.R.O.	3,057,309
NODA, YASUNORI	3,093,079	PAREKH, GITA	2,928,308	PRIHODA, ZDENEK	2,975,775
NOON, DAVID	2,970,038	PARIS, FRANCOIS	3,013,243	PRIMEAU, MARIO	2,975,775
NOORKOIV, MIKK	3,050,144	PARK, CHRISTOPHER	2,934,588	PRO-DEX, INC.	3,044,003
NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG	3,116,633	PARK, DAVID JOHN	3,003,496	PROSSER, KEVIN	3,105,142
NORDMARK PHARMA GMBH	3,055,116	PARK, KYUNGMIN	3,135,030	PULLEN, MELVIN DONOVAN	3,109,864
NORTHEASTERN UNIVERSITY	3,142,646	PARK, SANG RYUL	2,993,548	PURDY, CLAY	3,143,710
NORTHWEST INSTRUMENT INC.	2,976,520	PAROUSIS, BILL	2,795,628	PVELOCITY INC.	3,028,112
NOVAK, ANDREW	3,115,568	PATEL, MITESHKUMAR	2,925,515	PYNE, KEITH	2,795,628
NOVELIS KOBLENZ GMBH	3,165,733	HASMUKHLAL		QIFENG, MO	3,186,651
NOWAK, AMBER D.	2,968,971	PATRICK, ROBERT	3,124,144	QINGDAO CHANGHUI MACHINERY CO., LTD.	3,029,539
NTT DOCOMO, INC.	3,124,501	PATTERSON, PAUL H.	2,881,656		3,113,019
NTT DOCOMO, INC.	3,124,545	PAUL, ANISH	3,130,479	QINTERRA TECHNOLOGIES	
NTT RESEARCH, INC.	3,073,682	PAUL, DENNIS	3,073,801	AS	2,981,459
NUUDI, HARRY	3,050,144	PAULET, BRYAN A.	2,975,918	QSIC PTY LTD	3,044,079
NYE, JAMES E.	2,914,236	PAVEY, PETER	2,926,113	QUASH, GERRY	3,001,201
O'NEILL, THOMAS GERALD	3,055,606	PAVLOV, ALEXEY	3,002,330	QUAST, ROBERT	2,923,325
OC S.R.L.	3,019,893	PECHEANU AIR	3,145,921	QUDDUS, ABDUL	2,923,325
OCUSOFT, INC.	3,093,428	COMPRESSORS INC	3,145,921	QUERO, PHILIPPE	3,115,568
OFFERHAUS, MIKE	3,057,660	PECHEANU, CRISTINEL	3,145,921	R.G.C.C. HOLDINGS AG	3,085,173
OFINNO, LLC	3,135,030	PEDERSEN, TOR VANG	3,005,023	RAASCH, JONATHAN	3,119,597
OKAMOTO, MASAKAZU	3,093,659	PEREZ PIQUERAS, MIGUEL	3,133,408	RABE, CHRISTIAN	3,166,801
OKU, YOUSUKE	3,047,902	PEREZ RODRIGUEZ, MARCOS	3,133,408	RADO, J. CHRISTIAN	3,030,467
OKU, YOUSUKE	3,122,795	PEREZ-ALEA, MILEIDYS	3,001,201	RALLYBIO IPA, LLC	3,176,604
OLIVER, MARC	2,833,472	PERLADE, ASTRID	3,133,435	RAMOT AT TEL-AVIV	2,943,857
OPALSKY, DAVID	2,985,850	PERROTTA, PASQUO	2,965,758	RAMOT AT TEL-AVIV UNIVERSITY LTD.	3,026,989
OPTIS WIRELESS TECHNOLOGY, LLC	3,057,660	PETERKIN, GAVIN THOMAS	3,061,065	RAMPF FORMEN GMBH	3,088,570
OR, YAT SUN	2,968,673	PETROCHINA COMPANY		RAN, YIDONG	2,875,119
ORESIC, BRUNO	3,126,965	LIMITED	3,069,442	RANGARAJAN, KESHAVA	
ORO AGRI INC.	3,143,710	PEYLA, PAUL J.	3,113,992	PRASAD	3,111,615
OSAKA UNIVERSITY	2,981,420	PEYRAS-CARRATTE,		RAPIDDEPLOY, INC.	3,174,349
OSTBY, JUDIT TJELMELAND	3,010,190	JEREMIE	2,992,108	RASANAYAGAM, VASUHI	3,098,308
		PFEIFER, HOLGER	3,030,467	RATNAYAKE, JAYANTHA	3,098,308
		PFOTENHAUER, ALEXANDER		RAUCH, ROBERT	3,167,799
		M.	3,105,142	RAUSER, CLAIRE M.	3,139,476
		PHAM, MATTHEW	3,104,378	RAVULA, RANADHEER	3,140,871
		PHAM, PHI-OANH R.	2,976,489	REBBERT, THOMAS F.	2,880,575
		PHELY, OLIVIER	2,924,302	RECOVER ENERGY SERVICES	3,108,018
		PIERSON, GLEN	2,981,256	INC.	2,983,841
		PIKE, IAN H.	2,985,003	REDDY, SATISH	3,059,795
		PIONEER HI-BRED		REEB, DAVID L.	2,973,338
		INTERNATIONAL, INC.	3,015,100	REIMANN, MATTHEW J.	3,071,933

**Index of Canadian Patents Issued**  
**July 11, 2023**

REIMER, UWE	2,965,576	SAINT-GOBAIN GLASS	SHAO, JINHUA	3,079,123
REISCHAUER, RICHARD	3,088,273	FRANCE	SHARKNINJA OPERATING	
REITER, MANFRED	2,710,260	SAINT-GOBAIN ISOVER	LLC	2,976,349
RENK AMERICA, LLC	3,082,843	SAINT-GOBAIN PLACO SAS	SHARKNINJA OPERATING	
RESTREPO, LUCAS	2,980,764	SAITO, YOICHI	LLC	3,120,596
RETAIL SPACE SOLUTIONS LLC	3,040,176	SALENTINE, ERIC LEE	SHATZER, KEVIN PAUL	3,119,844
RETAIL SPACE SOLUTIONS LLC	3,049,906	SALLET, LUDOVIC	SHAVER, JEREMY MARTIN	3,092,098
REUBEN, SPENCER	3,146,217	SANDSTONE MEDICAL (SUZHOU) INC.	SHAW, ROBERT D.	3,113,731
RICHPOWER INDUSTRIES, INC.	2,989,044	SANOFI PASTEUR	SHEN, CHUNLEI	3,010,966
RITCHIE, STEVEN WILLIAM	3,080,638	VAXDESIGN CORP.	SHEN, PEIHUA	3,041,000
RIVAL DOWNHOLE TOOLS LC	2,983,270	SASAKI, MASATO	SHEN, RUICHAO	2,968,673
ROBERT, CHRISTOPHE	2,992,108	SATO, SHO	SHENZHEN ELEMEX	
ROBERTS, JEFFREY SCOTT	2,976,489	SATTELBERG, MANFRED	TECHOLOGY, LTD	3,109,335
ROBERTS, KIM B.	3,193,957	SAVELLI, GUILLAUME	SHENZHEN ZHUOSIJIA	
ROBISON, CLARK E.	2,975,918	SAWBRIDGE, TIMOTHY IVOR	TRADING CO., LTD.	3,157,543
ROCAMORA, YVAN	2,965,758	SCALLEY, MATTHEW	SHERIDAN, JOSEPH M.	2,985,003
ROCHFORT, SIMONE JANE	2,875,119	SCARSELLI, MARIA	SHERMAN, TAL	3,105,433
ROCHKIND, SHIMON	3,026,989	SCHEERDER, ALEXANDER	SHETTY, DINESH ANANDA	3,058,713
RODRIGUEZ-RAMON, RICARDO	3,110,298	ALEIDA ANTONIUS	SHI, GUOPING	3,105,285
ROGERS, VICTORIA	3,176,970	SCHERRER, DANIEL	SHI, JINGJING	3,137,198
ROHR, TIMOTHY C.	3,028,394	SCHLESKE, ENRICO	SHI, XIN	2,976,520
ROHRER, NICOLE	2,969,167	SCHMIDT, RALF	SHI, YUNMING	3,095,048
ROJAS EXPOSITO, LUIS ALFONSO	2,946,650	SCHMITT, CHRISTOPHE	SHIMIZU, YOSUKE	3,112,675
ROJAS, CAROLINA E.	2,994,147	JOSEPH ETIENNE	SHIN, KENTARO	3,026,209
ROLLS-ROYCE CORPORATION	2,967,091	SCHNEIDER, MARK A.	SHIVAMPET, BRAHMANAND	
ROMANO, JOSEPH	3,057,309	SCHONEMANN, INGO	REDDY	3,028,200
ROMERO MUNIZ, ROSA MARIA	2,975,960	SCHORR, AARON	SHOU, JIANYONG	3,113,732
ROOT, PAUL MICHAEL	2,999,112	SCHOUTEN, JAMES	SHVARTSMAN, SHMARYU M.	2,905,088
ROSANO, HUGO LEONARDO	2,967,735	SCHROEDER, STUART	SKIBBE, DAVID STEWART	
ROSATO, GENNARO	3,044,003	GARTH	SKOGEN, BJORN RAGNAR	2,943,857
ROSS, GRAHAM A.	3,167,799	SCHWARTZ, BINYAMIN	SLATTEGARD, RIKARD	2,998,989
ROSS, STAN	2,983,841	SCHWARZ, EDWARD	SLAUGENHAUPT, SUSAN A.	2,973,949
ROTH SHALEV, SIGAL	2,998,989	SCHWERDT, JOERG	SLOWIK, STEVEN C.	2,968,971
ROUX, PIERRE	2,973,942	SCOLA, MICHAEL J.	SMC CORPORATION	3,111,963
ROVI GUIDES, INC.	3,061,391	SELECTION THERAPEUTICS	SMITH, DANIEL	3,057,309
ROZSA, BALAZS	2,994,903	GMBH	SMITH, GERARD	3,044,079
RUBIE, PETER JOHN	2,984,502	SEMETEY, VINCENT	SMITH, JAMES DOW	3,119,844
RUEHMANN, RAINER	3,039,215	SENGUPTA, SHUBHASHIS	SMITH, TROY	3,093,428
RUFUS, ISAAC B.	3,185,843	SEOK, JONG-CHEOL	SMYTH, BRIAN	3,003,496
RUMIANTSU, MIKHAIL	3,055,973	SERIO-US INDUSTRIES, INC.	SNF GROUP	3,056,187
RUSSELL MINERAL EQUIPMENT PTY LTD	2,984,502	SERVICENOW, INC.	SOCIETE DES PRODUITS	
RUSSO, CARL R.	2,967,091	SEXTON, JEFF	NESTLE S.A.	2,969,167
RUST, ANDREW	2,889,839	SHANG, KE	SOCIETE TECHNIQUE POUR	
RUSTON, LINETTE LYS	2,995,430	SERVICENOW, INC.	L'ENERGIE ATOMIQUE	2,990,987
SAETALU, REIN	3,050,144	SHANGHAI ENNOVABIO	SOILMEC S.P.A.	2,952,138
SAFILO - SOCIETA AZIONARIA FABBRICA ITALIANA LAVORAZIONE OCCCHIALI S.P.A.	3,118,347	PHARMACEUTICALS CO.,	SOKOL, HARRY	3,051,807
SAFRAN HELICOPTER ENGINES	2,983,187	LTD.	SOLA LARRANAGA, INIGO	
SAHI, CARL R.	3,144,938	SHANGHAI INSTITUTE OF	JUAN	2,975,960
SAINATH INTELLECTUAL PROPERTIES, LLC	3,157,099	MATERIA MEDICA,	SOLEYMANI, LEYLA	3,022,316
		CHINESE ACADEMY OF	SONG, DAN	3,088,814
		SCIENCES	SONODA, JUNICHIRO	2,929,868
		SHANK, GINGER MARIE	SONTHEIMER, ERIK J.	3,036,409
		SHANMUGAM,	SORBONNE UNIVERSITE	3,051,807
		SENTHILKUMAR	SOURCE OF TRUE PTY LTD	2,992,605
		KANDAPPA GOUNDAR	SPANGENBERG, GERMAN	
		SHANNON, BROOKS THOMAS	CARLOS	2,875,119
			SPDI HOLDINGS, INC.	3,035,665
			SPELBRINK, ROBIN ERIC	
			JACOBUS	3,128,492
			SPERBER, ROLF	2,989,239
			SPHERE ULTRAFAST	
			PHOTONICS, SA	2,975,960

**Index des brevets canadiens délivrés**  
**11 juillet 2023**

SPIESS, CHRISTOPH	2,929,868	SYQE MEDICAL LTD.	2,953,082	THE UNITED STATES OF AMERICA, AS
SPLAINE, STEVEN J.	3,028,200	SYVERSON, NEAL	3,103,403	REPRESENTED BY THE
SRINIVASA, SIDDHARTHA	3,057,309	SZALAY, GERGELY	2,994,903	SECRETARY,
SRIVASTAVA, MANSI	2,932,310	SZYNAL, PHILIPPE	3,126,965	DEPARTMENT OF
STACHOWIAK, JOHN EDWARD, JR.	2,975,918	TAIWAN FU HSING INDUSTRIAL CO., LTD.	3,051,923	HEALTH AND HUMAN SERVICES
STADLER, HERBERT	3,163,761	TAKEDA PHARMACEUTICAL COMPANY LIMITED	2,710,260	2,973,949 THE UNIVERSITY OF TOKYO
STAMICARBON B.V.	2,934,867	TAKENAKA, TAKESHI	3,093,664	2,981,420 THERMACOR PROCESS, INC.
STANLEY, DR. ANTHONY G.	2,959,813	TAKIGAWA CORPORATION		2,950,860 THIRY, MICHEL
STARK, DANIEL JOSHUA	3,085,173	JAPAN	3,119,083	3,001,429 THOMAS, BENSON
STARK, NICHOLAS	3,111,422	TAKIGAWA, HIROYUKI	3,119,083	2,975,918 THOMAS, DANIEL S.
STASCH, JOHANNES-PETER	2,989,740	TALLINI, RICHARD F.	3,080,798	3,027,681 THOMPSON, ROBERT J.
STAwicki, SCOTT	2,929,868	TAN, QIAN	3,137,198	3,108,018 THORNE, JASON B.
STECH, MARLITT	2,923,325	TAN, THIOW KENG	3,124,501	3,120,596 THULASINGAM, SIVAKUMAR
STEFFES, STEPHEN W.	3,113,731	TAN, THIOW KENG	3,124,545	2,976,523 THULEAU, AURELIE
STEP PHARMA S.A.S.	3,115,568	TAN, XIN	3,087,279	3,031,327 TIAN, HONGZHOU
STEPAN COMPANY	2,994,147	TANAKA, RYUZO	3,135,735	3,140,712 TIAN, PENG
STEWART, ALEX	3,052,776	TANG, HAI	3,099,869	3,129,223 TIETZ, ANDREW
STEWART, C. ANDREW	3,158,025	TARIS BIOMEDICAL LLC	3,124,983	2,979,693 TILLER, HEIDI
STOCKHAUS, JORG	2,954,076	TARWADE, VINOD	3,030,467	2,943,857 TIMISCHL, BERNHARD
STOLLER, JASON	3,122,873	TAS MEDICAL	3,049,660	3,135,316 TINSLEY, DAVID ALLEN
STRAIT, MICHAEL JAY	3,082,843	TAVERNIER, GUILLAUME	3,013,243	3,030,467 TIVO CORPORATION
STRAND, ROSS	3,095,048	TEAGUE, PHILIP	3,052,776	3,023,556 TOMAS, FANNY
STRATER, JAY	3,126,812	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	3,084,361	2,973,942 TOMITA SEIICHI
STREAM-FLO INDUSTRIES LTD.	2,922,319	TETRA LAVAL HOLDINGS & FINANCE S.A.	2,977,352	3,135,735 TONG, TIANYANG
STRONGBOND B.V.	3,003,241	THE BOARD OF SUPERVISORS OF LOUISIANA STATE		3,142,646 TRANSITIONS OPTICAL, INC.
STRYKER CORPORATION	3,130,479	UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE	3,073,801	3,003,496 TRYDAL, STIG VIDAR
STUCKY, DAVID J.	3,113,731	THE BOEING COMPANY	3,006,686	2,967,735 TUCKER, DOMINIC MICHAEL
STUGE, TOR BRYNJAR	2,943,857	THE BOEING COMPANY	3,027,681	3,080,638 TURNER, CHRISTINE
SU, QIBIN	2,995,430	THE BOEING COMPANY	3,028,394	3,059,314 TURNER, MATTHEW
SU, WEI	3,110,126	THE BOEING COMPANY	3,112,536	2,951,703 TYCO FIRE & SECURITY GMBH
SU, XIANGXIN	3,142,646	THE BOEING COMPANY	3,000,655	2,951,703 TYCO FIRE PRODUCTS LP
SUAREZ SANCHEZ, ROBERTO	3,136,175	THE COCA-COLA COMPANY	2,990,466	3,158,597 UATC, LLC
SUGINO, MASAAKI	3,047,902	THE COMMONWEALTH OF AUSTRALIA	2,973,949	3,093,079 UCHIDA, SHIGERU
SUMANTH, VAIDYA	2,932,310	THE GENERAL HOSPITAL CORPORATION		3,093,079 UEHASHI, SHUNSUKE
SUN, DANDAN	3,137,198	THE MEDICAL RESEARCH, INFRASTRUCTURE AND HEALTH SERVICES FUND	2,973,949	2,961,130 UMICORE
SUN, HONGYU	3,110,126	THE NIELSEN COMPANY (US), LLC		2,892,740 UNILEVER GLOBAL IP LIMITED
SUN, JIN	3,079,123	THE PARARI GROUP, LLC	3,028,200	2,970,968 UNILEVER GLOBAL IP LIMITED
SUNCOR ENERGY INC.	3,101,567	THE PROCTER & GAMBLE COMPANY	2,979,693	3,020,159 UNILINE AUSTRALIA LIMITED
SUNNYBROOK RESEARCH INSTITUTE	3,054,383	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,095,048	3,107,946 UNITED PARCEL SERVICE OF AMERICA, INC.
SUNRISE SPC TECHNOLOGY, LLC	3,029,539	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,980,764	2,975,960 UNIVERSIDAD DE SALAMANCA
SUPERIOR MANUFACTURING LLC	3,140,871	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,120,865	2,975,960 UNIVERSITAT POLITÈCNICA DE CATALUNYA
SURGITENT GMBH	3,113,102	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,915,518	2,975,960 UNIVERSITÉ DE MONTPELLIER
SUSO, HENRI-PIERRE	2,963,595	THE TALARIAST INC.		2,973,942 UNIVERSITÉ DE MONTPELLIER
SUZHOU ASTRABIO TECHNOLOGY CO., LTD.	3,128,271			3,078,178 UNIVERSITE GRENOBLE ALPES
SUZHOU MICROVIEW MEDICAL TECHNOLOGIES CO., LTD.	3,079,123			2,938,366 UNIVERSITY OF ALCALA DE HENARES
SWAMINATHAN, TIRUMANI N.	3,058,713			3,073,801
SWAMY, SIDDESHA	2,932,310			
SWANSON, TODD	3,090,425			
SWENSON, DAVID CARL	3,082,843			
SWIFT-STRAP LLC	2,978,094			
SYNGENTA PARTICIPATIONS AG	2,833,472			
SYNGENTA PARTICIPATIONS AG	3,080,638			

**Index of Canadian Patents Issued**  
**July 11, 2023**

UNIVERSITY OF MASSACHUSETTS	3,036,409	WALLACE, ROBERT ROBLES	3,055,606	XIE, XIAOPING	3,113,732
UNIVERSITY OF ROCHESTER	2,931,001	WALPEN, SEBASTIEN	3,157,471	XING, DAVID	2,976,520
UPHAUS, JAMES JOSEPH	3,015,100	WAN, ZHIGANG	3,124,154	XING, GUOQIANG	3,044,595
URL, CHRISTIAN	3,135,316	WANG, BAORONG	3,140,712	XING, XUECHAO	2,968,673
URTASUN, RAQUEL	3,158,597	WANG, GUOQIANG	2,968,673	XINGYU SAFETY	
VAGHELA, MADANSINH NATHUSINH	2,969,167	WANG, HONGJUN	3,069,442	PROTECTION TECHNOLOGY CO., LTD	3,088,807
VALLOUREC OIL AND GAS FRANCE	3,047,902	WANG, JING	3,109,746	XU, GUIHUA	3,088,814
VALLOUREC OIL AND GAS FRANCE	3,122,795	WANG, JINGHUA JEFFREY	2,880,575	XU, HANQING	3,070,002
VALTONEN, TUOMAS	2,976,602	WANG, LIN	2,994,579	XU, HUAQIANG	3,137,198
VAN BELZEN, RUUD	3,012,556	WANG, PINGYAN	2,994,579	XU, HUIHUI	3,110,126
VAN DER VLEUTEN, RENATUS JOSEPHUS	2,850,031	WANG, RANSHI	3,041,000	XU, JIE	3,044,595
VAN, SE YOUNG	3,050,087	WANG, SHENLONG	3,158,597	XU, KAI	3,135,030
VANDERZYL, JARED	3,143,710	WANG, TIANCHANG	3,029,588	XU, YUAN	3,113,732
VANWELDEN, JOHAN	2,971,274	WANG, XIUXIA	2,892,740	XU, YULIANG	3,100,585
VAPOROUS TECHNOLOGIES, INC.	3,176,604	WANG, ZHI JUN	2,880,575	YAGHI, OMAR M.	3,120,865
VARRONE, JOHN J.	2,931,001	WARGER, GABRIELLA RAQUELLE	2,915,518	YAMAGAMI, SHIGEHARU	3,026,209
VASBINDER, MELISSA MARIE	2,995,430	WARREN, JEREMY B.	2,914,236	YAMAMOTO, KEITA	2,981,420
VELAGAPUDI, PRASANNA	3,057,309	WARREN, WILLIAM	3,035,059	YAN, XINCHUN	3,044,595
VENKATESAN, BALA MURALI	2,933,548	WAVEARRAYS INC.	3,148,916	YANG, GAODONG	3,140,712
VERESS, MATE	2,994,903	WEATHERFORD TECHNOLOGY	3,033,336	YANG, GUOQIANG	3,140,712
VERGARA, JULIO L.	2,980,764	HOLDINGS, LLC	2,975,918	YANG, LEI	2,994,579
VERKOEIJEN, DANIEL	3,030,467	WEATHERFORD HOLDINGS, LLC	3,039,215	YANG, LING	3,070,002
VERMAAS, ERIC HANS	3,060,979	WEEKLEY, MITCHELL ZANE	2,986,762	YANG, WENZHAN	2,995,430
VERMIJ WORKS INC.	2,971,710	WEISSBECKER, VITALI	2,965,576	YANG, YAXUN	3,109,746
VERMIJ, MAXIMILIAAN	2,971,710	WEISSENBERGER, MARKUS	3,028,112	YARA INTERNATIONAL ASA	3,012,556
VERMY, HANS	2,971,710	WERRIES, MICHAEL	3,166,801	YE, CHENGCAN	3,029,588
VEROSKY, CHRISTOPHER	2,991,599	WESTERN UNIVERSITY OF HEALTH SCIENCES	2,880,575	YE, FANGWEI	3,088,814
VERTSEL, ALIAKSEI	3,055,973	WI-TRONIX, LLC	3,024,338	YE, XIAOJING	2,976,486
VESUVIUS U S A CORPORATION	2,940,682	WICKER, NATHAN J.	2,976,486	YEN, RAYMOND	2,976,523
VIEWRAY TECHNOLOGIES, INC.	2,905,088	WILBRINK, MAARTEN HOTSE	3,128,492	YEUNG, TONY	3,110,298
VIR VALVOINDUSTRIA ING. RIZZIO S.P.A.	2,919,045	WILLS, MATTHEW A.	3,049,906	YEWLE, JIVAN NAMDEO	2,991,101
VISA INTERNATIONAL SERVICE ASSOCIATION	3,129,118	WILLS, MATTHEW ALAN	3,040,176	ZACCANTI, GIOVANNI	2,985,321
VISWANATHAN, GANAPATHY	3,088,785	WILSON, JOHN PAUL	2,978,190	ZAFFARONI, GIORGIO	2,991,599
VITALIS, TIMOTHY Z.	2,935,805	WILSON, MATT J.	3,056,935	ZAKAS, MARIETTA	
VIVINT, INC.	2,914,236	WILSON, MATT J.	3,113,430	EDMUNDSEN	3,116,787
VOGEL, KEITH	2,922,784	WILSON, RHONDA J.	3,080,981	ZANG, YI	3,137,198
VOGIATZIS, NIKOLAOS	3,128,492	WILTZIUS, BRYAN J.	2,935,796	ZAWACKI, JEFF R.	3,056,935
VOIDECK IPCO LIMITED	3,001,228	WINTER-HOLT, JON JAMES	2,995,430	ZDUNEK, DIETMAR	3,081,979
VOLTECO S.P.A.	2,979,934	WITTMAN, VAUGHAN	3,035,059	ZHANG, FAN	3,110,126
VON FIRCKS, SIMONE	2,710,260	WOESSNER, RICHARD DONALD	2,995,430	ZHANG, FENG	3,140,712
VON GYNZ-REKOWSKI, GUNTHER HH	2,983,270	WOOD, BRADLEY	2,998,964	ZHANG, JERRY CHI	2,838,063
VON SEGESSER, LUDWIG K.	2,975,804	WORZ, ANDREAS	3,146,217	ZHANG, JIANHUA	3,100,585
VU, THI TAN	3,097,307	WRIGGLESWORTH, JOSEPH WU, DONG-HER	3,088,570	ZHANG, JIANHUA	3,113,732
VU, THI TAN	3,136,175	WU, DANYI	3,115,568	ZHANG, JIUYU	3,142,646
WACH, JOSEPH	2,976,164	WU, DAVID	3,074,656	ZHANG, KE	3,087,279
WAECKERLE, THIERRY	2,992,271	WU, DEDONG	3,079,803	ZHANG, KELING	2,795,628
WAGG, BRIAN TIMOTHY	2,969,503	WU, DONG-HER	3,113,732	ZHANG, WEI	2,973,949
WAGNER, THOMAS	3,057,309	WU, YAN	3,120,596	ZHANG, YAN	3,036,409
WAKEFORD, JERRY	2,922,319	WUSTENHAGEN, DOREEN	2,995,430	ZHANG, YI	3,158,025
WALKER, GEORGE T.	2,985,850	XIA, ZHENGYUE	3,124,488	ZHANG, YIHONG	3,100,585
WALKER, RU-AMIR	3,167,799	XIAO, JIE	2,929,868	ZHANG, ZHIBING	3,140,712
		XIE, RONGRONG	3,044,595	ZHAO, HAIXIA	3,113,732
		XIE, RONGRONG	2,976,765	ZHAO, YAJUN	3,070,002
		XIE, RONGRONG	3,137,198	ZHAO, YONG	3,088,807

**Index des brevets canadiens délivrés  
11 juillet 2023**

ZHEJIANG JIU KANG	
ELECTRIC APPLIANCES	
CO., LTD.	3,010,966
ZHENG, MINGWEI	3,113,732
ZHOU, DANING	3,113,019
ZHOU, HAITAO	3,088,807
ZHOU, HONGBO	3,088,807
ZHOU, HUA	3,135,030
ZHOU, LIFENG	2,989,044
ZHOU, XINGYU	3,088,807
ZHOU, ZHENG	3,140,712
ZHU, KANGYING	3,133,435
ZHU, XIAOXING	3,110,126
ZHUANG, QIUCHUAN	2,994,579
ZOUHAIR, AICAM	3,033,336
ZTE CORPORATION	3,070,002

# Index of Canadian Applications Open to Public Inspection

June 25, 2023 to July 1, 2023

## Index des demandes canadiennes mises à la disponibilité du public

25 juin 2023 au 1 juillet 2023

10353744 CANADA LTD.	3,184,892	COSMO, JOSE ROMSIL	INDEXX LABORATORIES, INC.	3,185,779
10353744 CANADA LTD.	3,184,895	LACANG	INOGENIX INC.	3,185,536
2773065 ONTARIO INCORPORATED	3,154,523	DANSOKO, MUSTAFA	JACOBS ENGINEERING GROUP, INC.	3,185,832
2773065 ONTARIO INCORPORATED	3,163,832	DAUM, EARL	JACOBS, GREGORY F.	3,184,749
391395 ONTARIO LIMITED ACCENTURE GLOBAL SOLUTIONS LIMITED	3,144,367	DELTA FAUCET COMPANY	JENSEN, EEVIA	3,144,605
ACCENTURE GLOBAL SOLUTIONS LIMITED	3,179,503	DENG, QIANG	JETHA, NURAN	3,184,830
AHMADI, ALIREZA	3,185,359	DENG, YICHEN	JIANGMEN MOORE TECHNOLOGY., LTD	3,184,588
AIZOON S.R.L.	3,186,388	DERKACH, LEX	JIANGMEN MOORE TECHNOLOGY., LTD	3,184,663
ALAGASHEV, GRIGORY ANTIUFIEV, VOLODYMYR	3,185,617	DESAI, VIJAY	JIANGMEN MOORE TECHNOLOGY., LTD	3,185,439
ARROYO, ROBERTO	3,186,922	DESCHENES, FREDERIC	JIMENEZ, DAVID	3,182,471
AVISENSX INC.	3,182,471	DESGAGNE, MAXIME	JONES, ROGER	3,184,685
BENJAMIN, TIMOTHY J.	3,158,062	DESCHENES, MAXIME	KEARN, LAWRENCE	3,184,799
BISIO, FREDERICA	3,184,595	DINAN, ESMAEL HEJAZI	KEEN, MARK A.	3,184,280
BISSELL INC.	3,186,388	DUFORT, DENIS	KHAN, ABDUS SABOOR	3,179,503
BISSUEL-BEAUVAIS, LORYNE	3,185,702	EMSEE ENGINEERING INC.	KIRCHMAIR, MARTIN	3,185,835
BLOUGH, OWEN	3,185,080	ESCHEN, KEVIN PAUL	KISILCHUK, BOHDAN	3,186,922
BOGUSLAWSKI, BARTOSZ	3,185,080	FAN, DONG	KOLEILAT, GHADA	3,158,062
BOUDREAUX, BRIAN ANDREW	3,184,595	FANG, WUYUAN	KREUTZER, LESLIE	3,145,083
BOUJONNIER, MATHIEU	3,185,080	FARAJ FARJOW, WISAM H.	LATICRETE INTERNATIONAL, INC.	3,186,275
BOYADZHIEV, IVAYLO	3,154,188	FARAHAT, POONEH	LEE, BRADLEY J.	3,184,385
BRADLEY, MARK	3,184,685	FEY, KAREN	LEEDY, JAMES	3,184,685
BROWN, ROBERT R.	3,184,672	FISHMAN, PNINA	LENTINI, MATTHEW	3,177,796
BRUMMERSTADT, MARTIN	3,185,630	FITZGERALD, LISA	LESOVIK, GORDEY	3,185,617
CAN-FITE BIOPHARMA LTD.	3,144,171	FLETCHER, ERIC	LI, CHENG	3,184,895
CEBRIAN, JAVIER MARTINEZ	3,182,471	FORDAHL, JOSEPH D.	LI, JU	3,185,300
CERTAINTEED GYPSUM, INC.	3,184,685	FREUDENBERG OIL & GAS, LLC	LI, YUGUANG	3,154,188
CERTAINTEED LLC	3,184,680	FU, YAO	LOOBIE, AISHA	3,144,348
CERTAINTEED LLC	3,184,749	GHASEMI GHODRAT, ALIREZA	LU, XI RAN	3,184,596
CHEN, QIANG	3,184,892	GONG, YU	LU, XIANLIANG	3,184,668
CHEN, WEIHU	3,182,764	GOODRICH CORPORATION	LUTKIEWICZ, PRZEMYSŁAW	3,185,769
CHERRY SYSTEMS RESEARCH INC.	3,185,506	GUO, XIJUN	LUTZ, SCOTT	3,177,796
CHEVRON U.S.A. INC.	3,185,817	HACKO, HARON	MAC VALVES, INC.	3,184,593
CHRISTIE, MICHAEL JOSEPH	3,144,341	HAYES, GERALD ROBERT	MAHEU, SPENCER P.	3,186,275
CIRIK, ALI CAGATAY	3,185,845	HENKEL IP & HOLDING GMBH	MARMON CRANE SERVICES, INC.	3,184,595
CKNAPP SALES, INC.	3,146,529	HILLIER, RICHARD	MARSAN, ALEXANDRE	3,185,304
CLACK CORPORATION	3,184,604	HIRSTEIN, CODY RYAN	MARSAN, ALEXANDRE	3,185,325
CLEMENTS, ROSS	3,184,776	HOFFER, MICHAEL	MASCO CANADA LIMITED	3,184,668
CNH INDUSTRIAL CANADA, LTD.	3,183,260	HOLMETRICS INC.	MASSARA, VALERIO	3,184,680
CNH INDUSTRIAL CANADA, LTD.	3,183,269	HONEYWELL INTERNATIONAL INC.	MASSICOTTE, FRANCOIS	3,185,304
COMCAST CABLE COMMUNICATIONS, LLC	3,185,695	HU, BING	MASSICOTTE, FRANCOIS	3,185,310
COMCAST CABLE COMMUNICATIONS, LLC	3,185,845	HU, HUABIN	MASSICOTTE, FRANCOIS	3,185,325
CORMIER, BENJAMIN RODOLPHE	3,185,817	HU, JIN	MCKEON, JESSICA EILEEN	3,185,670
		HU, RUO YANG	MCLENNAN, PAUL	3,184,668
		HUSKY INJECTION MOLDING SYSTEMS LTD.	MENHEERE, DAVID	3,185,838
		HUTCHCROFT, WILL ADRIAN	MEYER, BRANDON	3,146,529
		HWANG, DA SOM	MORI, GREG	3,184,766
		HYSON, REGINA MARIE	MOUSAVI, AHMAD	3,184,668
		HYVARINEN, HEIKKI	MURRAY, KYLE	3,184,888
		ICP CONSTRUCTION, INC.		

**Index des demandes canadiennes mises à la disponibilité du public**  
**25 juin 2023 au 1 juillet 2023**

MURUGASEN, MATHAN	3,185,359	SHENZHEN SMOORE TECHNOLOGY LIMITED	3,185,524	WOODBURN, WILLIAM	3,184,497
NANJING CHERVON INDUSTRY CO., LTD.	3,185,300	SHINKO, ANDREW P.	3,184,280	XIAO, FENG	3,184,588
NAUMOV, ROMAN	3,144,605	SHOKRZADEH, SHAHAB	3,184,535	XU, KAI	3,185,845
NEURATECH COMMUNICATIONS INC.	3,144,586	SHTIKHLAYTNER, ANTONIN	3,186,922	YANG, HYO SEOK	3,185,536
NGUYEN, TOM MINH	3,185,702	SILBERMAN, EITAN	3,144,367	YANG, YU	3,184,892
NIELSEN CONSUMER LLC	3,182,471	SILBERMAN, HENRY	3,144,367	YAO, PAN	3,182,764
NORRIS, DEVIN	3,184,830	SILBERMAN, TAMIR	3,144,367	YIN, RONGJIANG	3,197,507
OHANIAN, ARA	3,184,656	SIMMONDS, JEFFREY S.	3,184,593	YUAN, HUAKAI	3,184,663
OKHRIMCHUK, ANDREY	3,185,617	SIMPSON, MARK	3,144,169	ZHAO, CHENYAN	3,185,300
OSTROVSKI, ALEKSANDER	3,144,595	SINGH, RAJPREET	3,185,359	ZHEJIANG LERA NEW ENERGY POWER	
OU, GUOLIANG	3,185,439	SMITH, MARK	3,144,359	TECHNOLOGY CO., LTD	3,197,507
OVERHEAD DOOR CORPORATION	3,184,385	SMITH, ROBERT	3,185,695	ZHOU, HUA	3,185,845
OVERTON, JOHN	3,184,685	SOBKA, DAVID M., JR	3,184,593	ZHURAVLOV, ANDRIY	3,186,922
PETSMART HOME OFFICE, INC.	3,182,265	SOBRERO, FILIPPO	3,186,388	ZILLION, INC.	3,154,188
PICTURE THIS TODAY 3D INC.	3,144,605	SORRELL, SCOTT ELLIS	3,183,851		
PODAREVSKY, ALEXANDER	3,186,922	SPIN MASTER LTD.	3,177,796		
POTAICHUK, VOLODYMYR	3,186,922	SPINORX INC.	3,184,535		
PRAKASH, RAVI	3,179,503	STRYKER CORPORATION	3,185,772		
PRATT & WHITNEY CANADA CORP.	3,185,304	SUDHAKAR PADIYAR, VEENA	3,185,359		
PRATT & WHITNEY CANADA CORP.	3,185,310	SUN, QIAN	3,184,892		
PRATT & WHITNEY CANADA CORP.	3,185,325	SUN, QIAN	3,184,895		
PRATT & WHITNEY CANADA CORP.	3,185,656	SUN, WEI	3,185,670		
PRATT & WHITNEY CANADA CORP.	3,185,838	TAMULEWICZ, PAUL	3,182,265		
PREVETE, DUSTIN	3,186,275	TANG, XIAOFENG	3,184,680		
PRINOTH S.P.A.	3,185,835	TAYLOR, ANTHONY J.	3,184,280		
PROCHNOW, SHANE JAMES	3,185,817	TCELLERATE LLC	3,184,497		
PROMPTLINK COMMUNICATIONS, INC.	3,186,922	TECHTRONIC CORDLESS GP	3,184,596		
PRYSZLAK, KATHERINE	3,177,796	TERRA QUANTUM AG	3,185,617		
RAMSEY, SEAN	3,144,628	THE RAYMOND CORPORATION	3,185,840		
RANOVUS INC.	3,184,888	THOMAS, ARUN	3,184,685		
REDFORD, TIMOTHY	3,185,838	THOMPSON, DENNIS GEORGE	3,183,260		
RENAISSANCE PATIO PRODUCTS INC.	3,186,922	TOOM, PAUL OTTO	3,185,506		
ROBBINS, ANNALEE	3,177,796	TOWFIQ, FOAD	3,186,922		
ROBERT BURKLE GMBH	3,185,630	TSX INC.	3,144,595		
RODRIGUE, MATTHEW	3,144,359	TUCKER, MEREDITH	3,184,595		
RONDBERG, TUVIA	3,144,367	TUNG, FREDERICK	3,184,766		
ROWSWELL, STEPHEN	3,144,074	UCCI, DANIELE	3,186,388		
ROYAL BANK OF CANADA	3,184,766	VAN NORTWICK, MATTHEW	3,185,772		
SABIC, ADIS	3,184,596	VASYLKOVSKYI, DMYTRO	3,186,922		
SALSALI, HAMIDREZA	3,154,523	VAUGHAN, DON	3,184,604		
SALSALI, HAMIDREZA	3,163,832	VEERASANGAPPA KADI, VIRESH	3,185,359		
SANCTUARY COGNITIVE SYSTEMS CORPORATION	3,184,643	VERITY, CHAD	3,184,830		
SAVANT TECHNOLOGIES LLC	3,182,764	VOIGT, LUKE	3,185,840		
SCHEERER, MARCEL	3,185,630	VON KURNATOWSKI, ROLAND	3,184,595		
SCHNEIDER ELECTRIC SYSTEMS USA, INC.	3,185,080	WAN, MICHELLE	3,185,817		
SCHNEIDER, MAXIMILIAN WALDO	3,184,605	WAN, ZHIQIANG	3,154,188		
SCHULTZ, ZACH	3,184,595	WANG, AIJUN	3,182,764		
SHANNON, CONNOR	3,184,643	WANG, GUANGBANG	3,184,892		
		WANG, HONGWEI	3,185,300		
		WANG, JINZHONG	3,184,895		
		WANG, ZHIYONG	3,182,764		
		WATERFURNACE INTERNATIONAL, INC.	3,184,672		
		WEBER, PAUL	3,184,890		
		WEBER, TAIYO	3,184,890		
		WILLIAMS, TODD O.	3,185,832		

# Index of PCT Applications Entering the National Phase

## Index des demandes PCT entrant en phase nationale

10855561 CANADA INC.	3,201,121	ALLION, AUDREY	3,202,028	ASAHI KASEI BIOPROCESS
3SUN S.R.L.	3,202,271	ALLOGENE THERAPEUTICS,		AMERICA, INC.
3SUN S.R.L.	3,202,274	INC.	3,201,115	ASAII, RYOTA
A, KALIRAJAN	3,201,356	ALSHAIBA SALEH		ASAII, RYOTA
A.O. SMITH (CHINA) WATER HEATER CO., LTD.	3,201,238	GHANNAM		ASP GLOBAL
AARSETH, SIMEN	3,201,350	ALMAZROUEI,	3,202,349	MANUFACTURING
AB SCIENCE	3,201,259	MOHAMMED	3,199,431	GMBH
ABBOTT DIABETES CARE INC.	3,202,248	ALVES, RICARDO		ASPELUND, MATTHEW
ABRAMS, ROBERT	3,202,686	AMCOR RIGID PACKAGING	3,201,346	THOMAS
ABUELWAFA, SHERIF ESMAT OMAR		USA, LLC		ASSA ABLOY AB
ACCETTA, ALESSANDRO	3,202,126	AMCOR RIGID PACKAGING	3,202,168	ASSA ABLOY AB
ACCETTA, ALESSANDRO	3,202,126	USA, LLC	3,202,173	ASSA, SHLOMO
ACCETTA, ALESSANDRO	3,202,134	AMER, BRENDAN	3,202,443	ASSANELLI, GIULIO
ACCETTA, ALESSANDRO	3,202,146	AMGEN INC.	3,203,468	ASSANELLI, GIULIO
ACCETTA, ALESSANDRO	3,202,149	AMGEN INC.	3,203,468	ASSISTANCE PUBLIQUE -
ACHILLEOS, ACILLEAS	3,202,038	AMICO, ANTONIO	3,203,780	HOPITAUX DE PARIS
ACKERMAN, DEAN JOHN	3,201,132	AMIDEI, ANTHONY	3,203,786	ASTELLAS PHARMA INC.
ACTEGA DS GMBH	3,203,275	AMNEAL COMPLEX	3,201,206	ASTRAZENECA AB
ACTEGA DS GMBH	3,203,277	PRODUCTS RESEARCH	3,203,299	ASTRAZENECA UK LIMITED
ACTNANO, INC.	3,201,196	LLC	3,199,850	ASTRAZENECA UK LIMITED
ADAIR, KYLE	3,202,174	AMONYX APS	3,203,565	ATES, ALI
ADAPTVCAP APS	3,202,379	AMSTUTZ, PATRICK	3,202,358	ATES, CELAL
ADIL, MAROOF	3,201,392	ANDERSCH, STEFAN	3,202,576	ATKINS, ANDREW
AESCLEPIUS CORPORATION	3,203,758	ANDERSEN, RICHARD DOLPH	3,202,259	ATOTECH DEUTSCHLAND
AFZALI, KIYAN	3,201,546	ANDERSSON, JENNY	3,202,576	GMBH & CO. KG
AGARWALA, LAL KISHAN	3,203,800	ANDREASSEN, KIM VIETZ	3,201,167	ATTRAZIC, YANNICK
AGERSNAP, MIKKEL ASKJÆR	3,202,157	ANDREUX, MATHIEU	3,203,165	AUGER, FLORIAN
AGHARKAR, PUSHKARINI	3,185,202	ANGERD, ALEXANDRA	3,203,482	AUPHAN, ALBERT
AGILENT TECHNOLOGIES, INC.	3,203,749	ANGLO AMERICAN		AURIGENE ONCOLOGY
AGILYX CORPORATION	3,201,352	STEELMAKING COAL		LIMITED
AGRICOLA LUSIA S.R.L.	3,201,202	PTY LTD		AUSTIN, CHRISTINE
AGROSPHERES, INC.	3,202,438	ANHEUSER-BUSCH, LLC	3,202,260	AUSTIN, CHRISTINE
AGROSPHERES, INC.	3,202,447	ANISIMOV, MIKHAIL	3,202,514	AUSTRHEIM, TROND
AGUILA CORDOVA, ADRIANA		APERAM	3,202,465	AUSTRHEIM, TROND
AGUIRRE, SEBASTIAN	3,202,071	APPLICATIONS MOBILES	3,202,028	AUTOSTORE TECHNOLOGY
AHLSKOG, JULIA	3,202,459	OVERVIEW INC.	3,201,158	AS
AHN, NA HYUN	3,202,358	APPWARD LLC	3,203,793	AUTOSTORE TECHNOLOGY
AHN, YOUNG GIL	3,202,193	ARANGIO, SUSAN	3,202,267	AS
AIRNOV, INC.	3,202,057	ARATHOON, WILLIAM		AVA SURGICAL
AJEMBA, PETER	3,201,328	ROBERT		TECHNOLOGIES, LLC
AJEMBA, PETER	3,202,205	ARCHER AVIATION, INC.	3,203,652	3,202,159
AKIN, LUCAS D.	3,202,206	ARCONIC TECHNOLOGIES	3,201,316	AVERTY, LIONEL
AKSEERA PHARMA CORP.	3,202,583	LLC		AXTION INDEPENDENCE
ALAUNUS BIOSCIENCES, INC.	3,202,043	ARCULUS HOLDINGS, LLC	3,202,425	MOBILITY INC.
ALCON INC.	3,202,616	ARELAKIS, ANGELOS	3,201,330	BA, SAMBA
ALDEXCHEM KFT.	3,202,282	ARKEMA FRANCE	3,203,482	BADIGER, SANGAMESH
ALFA LAVAL CORPORATE AB	3,202,169	ARNOLD, MICKAEL	3,203,179	ESHWARAPPA
ALGAMA	3,201,187	ARORA, MANISH	3,203,287	BAE, HYUNG JIN
ALJARAH, MOHAMMED	3,202,626	ARORA, MANISH	3,202,424	BAE, IN HWAN
ALKILDE, OLE FREJ	3,201,224	ARTAMONOV, OLEKSII	3,201,128	BAER, DANIEL
ALLEN, NICHOLAS B.	3,202,540	ARTEDRONE	3,201,130	BAEGERLE, PATRICK
	3,203,297	ARVINTE, TUDOR	3,202,426	BAILEY, IAN
			3,202,165	BAKER HUGHES OILFIELD
			3,202,276	OPERATIONS LLC
			3,202,123	BAKER, RAY M.
				BAKER, ALEXANDER
				BERTHOLD HENDRIK
				3,202,123

## Index des demandes PCT entrant en phase nationale

BALASUBRAMANIAN, SRUTI	3,201,196	BERG, MITCH	3,202,651	BOROWSKI, NIKOLAUS
BALLMER, STEVEN G.	3,202,424	BERG, SEBASTIAN	3,201,198	PETER KURT
BAMBER, ROB	3,201,246	BERGER, MICHAEL	3,203,279	BOSCH, ARRON
BANEY, KATHERINE	3,201,392	BERGGREN, ANNA INGRID		BOSCH, LAURA
BAO, BIN	3,202,303	KRISTINA	3,203,569	BOSSHART, ANDREAS
BARANCYK, STEVEN V.	3,202,451	BERTELSEN, ADAM		BOUCHER, JOSHUA MICHAEL
BARANOWITZ, STEVEN	3,202,478	FREDERIK SANDER	3,202,379	BOUCHFAA, MYRIAM
BARATALIPOUR, NASRIN	3,185,202	BERTHE, LAURENT	3,202,625	BOUNCE, INC.
BARBIERI, BENJAMIN	3,202,455	BERTOLINI, GIORGIO	3,202,656	BOUTILIER, KIMBERLY
BARD ACCESS SYSTEMS, INC.	3,203,290	BESSI, MORANDO	3,202,455	ANNE
BARD ACCESS SYSTEMS, INC.		BETHUNE, MICHAEL		BOWE, STEVEN JOSEPH
		THOMAS	3,201,115	BOYLE, MICHAEL C.
BARNES, MARIE	3,202,190	BETTENCOURT, BRIAN	3,202,202	BP P.L.C.
BARTHOLEMEW, RACHEL	3,202,053	BETZER, JEAN-FRANCOIS	3,203,656	BP P.L.C.
BASF COATINGS GMBH	3,201,198	BEVENSEE, BRENDAN		BRADER, ERIC WILLIAM
BASF CORPORATION	3,201,210	ELWOOD	3,202,269	BRADLEY, BENJAMIN
BASF CORPORATION	3,202,142	BEZIVIN, PHILIPPE	3,202,189	MICHAEL
BASF SE	3,201,181	BHAT, UDAY	3,202,198	BRAHM, LUTZ
BASF SE	3,202,414	BHATTI, SAJID	3,202,349	BRAMMER, MICHAEL A.
BASIL, JOHN D.	3,202,642	BIACO LIMITED	3,202,203	BRANDENBURGER LINER
BASKARAN, SRI	3,203,649	BIANCHI, JOELLE	3,203,450	GMBH & CO. KG
BASSEAS, STAVROS P.	3,201,388	BICHLER, AHREN	3,203,598	BRANDT, MICHAEL D.
BASTIDAS, TERESA JULIET PENA	3,200,790	BICHLER, AHREN	3,203,599	BRASWELL, TERRY
BATRA, HITESH	3,202,061	BIGGS, THOMAS MORGAN,		BRAUN, OLIVIER
BATZLER, TODD G.	3,203,305	JR.	3,203,745	BRAY INTERNATIONAL, INC.
BAUER, MICHAEL	3,202,200	BIOMEA FUSION, INC.	3,202,151	BRC ENGINEERING AG
BAUMGAERTNER, TIMO	3,201,210	BIONEXA S.R.L.	3,203,573	BRENNAN, MATTHEW
BAUMNER, ANTJE	3,202,503	BIONEXA S.R.L.	3,203,574	BREYE THERAPEUTICS APS
BAXTER HEALTHCARE S.A.	3,201,387	BIONTECH US INC.	3,202,176	BRICK, MICHAEL JAMES
BAXTER INTERNATIONAL INC.	3,201,387	BISSELS, STEPHAN	3,202,160	BRII BIOSCIENCES, INC.
BAYER		BLACKBERRY LIMITED	3,201,359	BRITTON, MATTHEW
AKTIENGESELLSCHAFT	3,203,568	BLACKWELL, WILLIAM	3,202,389	BRONDYK, WILLIAM
BAYER HEALTHCARE LLC	3,203,474	BLANC, LEA	3,202,457	BROOKS, LOGAN TAYLOR
BAYYOUK, JACOB	3,201,262	BLANC-SCUDERI, ZOE	3,202,457	BROOKS, LOGAN TAYLOR
BEAM THERAPEUTICS INC.	3,203,294	BLANCHARD, WALTER T.	3,203,761	BROWN, HENRY
BEAM THERAPEUTICS INC.	3,203,295	BLANES SPA	3,203,643	BROWN, MURRAY
BEAM THERAPEUTICS INC.	3,203,457	BLOUGH, BRUCE EDWARD	3,202,287	BROWN, TOM JR.
BEAM THERAPEUTICS INC.	3,203,628	BLUE RIVER TECHNOLOGY	3,203,280	BROWN, TOM SR.
BEAM THERAPEUTICS INC.	3,203,741	INC.	3,203,586	BROWN-TSENG, ELIZABETH
BEAM THERAPEUTICS INC.	3,203,742	BLUE SKY MEASUREMENTS,		STEPHENIE
BEAM THERAPEUTICS INC.	3,203,784	INC.		3,202,638
BECKTON DICKINSON FRANCE	3,202,593	BLUM, RUDY	3,201,278	BROZY, JOHANNES
BEESLEY, BRIAN	3,203,591	BNSF RAILWAY COMPANY	3,203,612	BRRR! INC.
BEESLEY, BRIAN	3,203,594	BOBICHON, JULIEN		BRUDERER, URS PETER
BEGIS, GUILLAUME	3,202,256	BOGNATZ, DONALD JOSEPH	3,202,628	BRUSCO, GUILLERMO
BEGLARI, REZA	3,201,110	BOHLING, JAMES C.	3,201,176	BRY AIR [ASIA] PVT. LTD.
BEHAULT INDUSTRIAL PROPERTY OFFICE B.V.	3,201,234	BOJSEN, ANDERS ERIK	3,201,149	BRYAN, KYLE MCKINLEY
BEISELE, CHRISTIAN	3,203,571	BOKALIAL, RANADEEP	3,202,449	BUCH, JESSE STEPHEN
BEKKALI, ABDELAZIZ	3,201,395	BOKISA, GEORGE	3,201,323	BUCHANAN, DUNCAN
BELDRIGHI, GRAZIANO	3,202,079	BOLINGER, CORNELIUS	3,202,636	BUCHEgger, PATRICIA
BELHARET, KARIM	3,202,276	MARK	3,201,267	BUCHER, ERNST
BELKIND, BENJAMIN A	3,202,475	BOLLMANN, LUIS	3,203,648	BUENO-BAQUES, DARIO
BELLAT, VANESSA	3,202,532	BOMONT, CATHERINE	3,202,540	BULAT, GHENADIE
BELOV, DMITRY	3,203,781	BONDHUS, ANDY	3,202,198	BULLOCK, DUSTIN
BENBAKOURA, RAHMA	3,201,266	BORAK, EUGENE	3,202,631	BUMMEL, TOBIAS
BENCOMO MARTINEZ, ALBERTO	3,200,071	BORCA, MANUEL V.	3,203,761	BUONO, ROBERTA
BENDELAC, STEVE	3,202,620	BORDONI, CINZIA	3,202,661	BURFORD CORP.
BENDER, JOACHIM	3,202,259	BORGES, CHRISTOPHER	3,202,140	BURGESS, BART E.
BENTON, SHELDON ADAM	3,201,365	BOROW, KENNETH	3,202,153	BURMESTER, SABINA
			3,202,224	BURNS, DAVID JOHN
			3,199,435	BURWELL, BRUCE
			3,202,140	BUSS, PAUL
			3,202,124	BUTLER, THOMAS
			3,201,114	BYD COMPANY LIMITED
			3,201,114	BYRNE, DAVID F.

## Index of PCT Applications Entering the National Phase

CACHEUX, FANNY	3,203,656	CELLCOMB AB	3,202,258	CHEN, TAO	3,201,125
CACHINHASKY, ALEXANDRE SERRA	3,202,465	CENEXI - LABORATOIRES THISSEN	3,201,395	CHEN, WEI	3,202,465
CAE INC.	3,203,334	CENTRE HOSPITALIER UNIVERSITAIRE DE		CHEN, WEI	3,203,781
CAIN, JAMES WESTLAND	3,202,617	LILLE	3,201,193	CHEN, ZHENYU	3,203,781
CALDEIRA FERRAZ DA COSTA, MARIANA	3,202,229	CENTRE NATIONAL DE LA RECHERCHE		CHEN, ZHI	3,202,577
CALLAGHAN, CLANCY	3,201,543	SCIENTIFIQUE (CNRS)	3,202,623	CHENG, SAMUEL	3,202,661
CAMARA, AXEL	3,203,464	CENTRE NATIONAL DE LA RECHERCHE		CHENG, SHUMAN	3,197,861
CAMPAGNARO, DANIELE	3,201,202	SCIENTIFIQUE (CNRS)		CHEVALIER, PHILIPPE	
CAMPATELLI, GIANNI	3,202,455	CENTRE NATIONAL DE LA RECHERCHE		ARTHUR JEAN GHISLAIN	3,201,234
CAMPBELL, DOUGLAS	3,202,334	SCIENTIFIQUE (CNRS)	3,202,625	CHEVIGNE, ANDY	3,203,612
CAMPBELL, ELIZABETH ANNE	3,203,295	CENTRE NATIONAL DE LA RECHERCHE		CHEYMOL, GUY	3,202,236
CAMPBELL, PATRICK	3,203,474	SCIENTIFIQUE (CNRS)	3,203,486	CHHABRA, MILLONI	
CANADY, TAYLOR D.	3,202,583	CENTRE NATIONAL DE LA RECHERCHE		BALWANTKUMAR	3,203,294
CANCER RESEARCH TECHNOLOGY LIMITED	3,201,224	SCIENTIFIQUE (CNRS)	3,203,656	CHHABRA, MILLONI	
CANCER RESEARCH TECHNOLOGY LIMITED	3,202,058	CENTRE TECHNIQUE DU PAPIER	3,203,486	BALWANTKUMAR	3,203,295
CANDIANI, GABRIELE	3,201,201	CENTRO DE INMUNOLOGIA MOLECULAR	3,202,603	CHHABRA, MILLONI	
CANWELL (GZ) BIOTECH LIMITED	3,201,124	CENTRO DE NEUROSCIENCIAS DE CUBA		BALWANTKUMAR	3,203,784
CAPELLI, ANNA MARIA	3,202,126	CERVANTES LLANOS, MAJEL	3,200,071	CHIANG, KYLE	3,202,138
CAPELLI, ANNA MARIA	3,202,134	CHACKO, GEORGE	3,200,071	CHIBOUB, HAMDI	3,201,395
CAPELLI, ANNA MARIA	3,202,146	CHAH, AHMED	3,203,280	CHIEN, YUEH-LING A/K/A	
CAPELLI, ANNA MARIA	3,202,149	CHAIN BIOTECHNOLOGY LIMITED	3,202,276	JENNY Y. CHIEN	3,202,345
CAPSUGEL BELGIUM NV	3,202,044	CHAKKUMKAL, ANISH	3,202,257	CHIESI FARMACEUTICI S.P.A.	3,202,126
CARBALLO, SERGIO	3,202,438	CHAMBON, SYLVAIN	3,203,450	CHIESI FARMACEUTICI S.P.A.	3,202,134
CARBALLO, SERGIO	3,202,447	CHAMP, SIMON	3,203,781	CHIESI FARMACEUTICI S.P.A.	3,202,146
CARBON ENGINEERING LTD.	3,200,790	CHAN, BRANDON CAMERON SALAZAR	3,203,605	CHIGUTSA, EMMANUEL	3,202,345
CARDONE, MICHAEL H.	3,203,105	CHAN, BRIAN	3,201,121	CHIKHI, ABDERRAZIK	3,201,398
CARDOZO, RUBEN E.	3,202,346	CHANG MONTEAGUDO, ARTURO	3,203,780	CHILD, RICHARD T.	3,201,384
CAREFUSION 303, INC.	3,202,246	CHANG, ARVIN T.	3,202,603	CHILD, RICHARD T.	3,201,390
CAREY, BRYCE	3,202,687	CHANG, HUI-FANG	3,203,650	CHIN, RICHARD	3,202,331
CARLONI, VITTORIO	3,202,118	CHANG, XIAOYA	3,203,569	CHINA OILFIELD SERVICES LIMITED	3,203,426
CARPENTER III, JOHN R.	3,202,300	CHANGCHUN JETTY AUTOMOTIVE	3,201,114	CHINA UNIVERSITY OF MINING AND	
CARPENTER, RICHARD A.	3,202,502	TECHNOLOGY CO., LTD.		TECHNOLOGY	3,197,861
CARR, MOLLY CORBETT	3,202,345	CHANGCHUN JETTY AUTOMOTIVE	3,201,253	CHISHOLM, WILLIAM A.	3,201,365
CARRE, BRUNO	3,203,486	TECHNOLOGY CO., LTD.		CHITTABATHINA, CHAKRAPANI	
CARRIE, MICHAEL	3,202,314	CHANNON, KEITH	3,202,442	CHIVILY, PHILIP	3,202,334
CARROLL, RYAN	3,201,363	CHAPMAN, EDWARD	3,202,619	CHO, EUN YI	3,203,481
CARTER, KYLE PIERCE	3,202,361	CHARBONNEAU, MATHILDE	3,203,278	CHOE, YU-SUNG	3,202,172
CARVER EDISON, INC.	3,202,042	CHARBONNEAU, MATHILDE	3,202,319	CHOE, YU-SUNG	3,202,317
CASAGRANDE, OLIVIER	3,202,319	CHARKOWSKI, AMY O.	3,202,454	CHOI, BENJAMIN BYUNG-MIN	3,202,532
CASAGRANDE, OLIVIER	3,202,454	CHASSARD, ADRIEN	3,201,211	CHOI, HWAN	3,202,342
CASE, ADAM RICHARD	3,201,240	CHATTERJEE, ISHTA	3,203,781	CHOI, HYEONG WOOK	3,203,177
CASTAGNA, MICHAEL	3,201,551	CHEGUILLAUME, ARNAUD JEAN FRAN?OIS	3,202,629	CHOI, JAE YUL	3,202,057
CASTARALO LTD.	3,201,174	AUGUSTE	3,202,126	CHOI, KYU-HYUN	3,202,172
CASTELLE, JEAN-CLAUDE	3,202,093	CHEGUILLAUME, ARNAUD JEAN FRAN?OIS		CHOI, KYU-HYUN	3,202,317
CASTRO NETO, ANTONIO HELIO DE	3,202,229	AUGUSTE	3,202,146	CHOI, SU-JI	3,202,172
CASTRO-PALOMINO ANTELA, KATHLEEN	3,200,071	CHEGUILLAUME, ARNAUD JEAN FRAN?OIS		CHOI, SU-JI	3,202,317
CASWELL, JOHN	3,203,474	AUGUSTE	3,202,146	CHOW, CHRISTINA	3,201,123
CATERPILLAR INC.	3,201,263	CHEGUILLAUME, ARNAUD JEAN FRAN?OIS		CHRISTENSEN, KYLE	3,203,310
CATERPILLAR INC.	3,201,269	AUGUSTE	3,202,149	CHRISTENSEN, KYLE	3,203,473
CATERPILLAR INC.	3,201,270	CHEGUILLAUME, ARNAUD JEAN FRAN?OIS		CHUNDI,	
CATERPILLAR INC.	3,201,550	AUGUSTE	3,202,168	VENKATASUDHEORBAB U	3,203,649
CATERPILLAR INC.	3,202,501	CHEGUILLAUME, ARNAUD JEAN FRAN?OIS			
CATERPILLAR INC.	3,202,502	CHEN, JIANBO	3,202,173		
CATERPILLAR INC.	3,201,265	CHEN, JIANBO	3,203,644		
CATERPILLAR SARL	3,201,352	CHEN, LU-TZU			

## Index des demandes PCT entrant en phase nationale

CIESZKO, MICHAEL CHRISTOPHER	COVENTYA, INC.	3,202,631	DELGADO HERNANDEZ, VERONICA MELISSA	3,203,643
CIEZAREK, SONIA	COWAN, KEVIN	3,203,474	DELOISON, FLORENT	3,202,164
CISNEROS, MARK D.	CRABTREE, VINCENT P.	3,203,740	DEMARQUETTE, NICOLE	3,202,045
CJ CHEILJEDANG CORPORATION	CRAIG, TREVOR	3,202,314	DEMAURO, PHILIP	3,202,334
CJ CHEILJEDANG CORPORATION	CRAIGO, JODI	3,199,840	DENNY, SARAH	3,201,392
CLARK, DAVID EDWARD	CRAVEN, JAMES NORMAN	3,202,347	DESAI, PRASHANT JANAKRAI	3,202,486
CLARK, DAVID EDWARD	CRAWFORD, SEAN	3,201,352	DESAI, RODGER R.	3,202,486
CLEMENS, WERNER	CREUTZ, SERGE	3,201,266	DESAL, DIPEN	3,199,850
CLEMONS, SCOTT	CRIBBS, ADAM	3,201,205	DESHMUKH, PRASHANT	
CLIMENT RUIZ, YANET	CRISTANCHO, DIEGO E.	3,202,498	ARUN	3,201,356
COKER, CHRISTOPHER C.	CROWLEY, RYANN N.	3,203,297	DESLANDES, PIERRE	3,202,164
COLBURN, ADAM	CUI, XIN	3,201,363	DEROCHERS, MARIE-EVE	3,201,158
COLES, BRANDON	CULLINAN AMBER CORP.	3,202,397	DEVANATHAN,	
COLES, GARRY	CUMPSON, PETER JONATHAN	3,202,199	KRISHNASWAMY	3,202,198
COLES, RAYMOND	CUMPSTON, KATIE MARIE	3,202,638	DEVINE, JUSTIN LEE	3,202,449
COLLIS, ANDREW	CUNNINGHAM, BRIAN T.	3,202,583	DEXCOM, INC.	3,199,431
COLORADO STATE UNIVERSITY RESEARCH FOUNDATION	CUNNINGHAM, CHRISTOPHER	3,202,486	DEXCOM, INC.	3,203,740
COMBRINCK, STEPHANUS JOHANNES MARAIS	CUNNINGHAM-BROWN, MAURIZIO	3,202,293	DEXTRE, ANDRES	3,203,298
COMMBIO THERAPEUTICS CO., LTD.	CURTIN, PAUL	3,201,128	DEXTRE, ANDRES	3,203,453
COMMISSARIAT A L'ENERGIE ATOMIQUE	CURTIN, PAUL	3,201,130	DHARAIYA, DHAWAL P.	3,201,233
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	CUSANO, VALENTINA	3,202,165	DHIMAN, ROHIT	3,203,306
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	CUYLEN, JENS	3,202,160	DHIMAN, SACHIN	3,203,666
COMPASS PATHWAYS LIMITED	CYTOAGENTS, INC.	3,199,840	DI STEFANI, GIANNI	3,201,387
CONGREVE, MILES STUART	D'HOORE, PETER	3,203,567	DIAZ GARCIA, ORESTES DE JESUS	
CONOCOPHILLIPS COMPANY	DACKO, CHRISTOPHER ANDREW	3,202,638	DIAZ HERNANDEZ, MARIANNIS	3,202,603
CONSOLIDATED METCO, INC.	DAFECHEM LTD	3,202,161	DICK, AARON J.	3,202,636
CONSTELLIUM ISSOIRE	DAITO GIKEN, INC.	3,203,284	DIGGETT, LISA	3,202,246
CONTESTABLE, PAUL	DALGARNO, DAVID C.	3,202,516	DIGITAL ORTHODONTIC	
COQUILLARD, STEPHANIE	DALL'OCCHIO, HERVE	3,202,093	CARE	3,203,596
CORBIOTA GMBH	DALLERY, JEAN-FELIX	3,202,162	DINAPOLI, SARAH	3,203,773
CORBY, DODD	DAMANIA, PRAGNESH	3,203,656	DING, XIAOYANG	3,203,502
CORN PRODUCTS DEVELOPMENT, INC.	DALPATRAM	3,201,356	DING, XIAOYANG	3,203,562
CORNELL UNIVERSITY	DAMBKOWSKI, CARL	3,202,267	DING, XIAOYANG	3,203,658
CORNELLCOOKSON, LLC	DARDON FRESSE DE		DJAFAR, INAL	3,203,165
CORNNETT-CHING, JOHN HENRY	AVALOS, ELENA MARIA	3,203,643	DODAN, GHEORGE	3,202,465
CORREALE, MARIO	DARPIN, GUILLAUME DESIRE	3,202,123	DODSWORTH, MARK PHILIP	3,201,224
CORREALE, MARIO	DAVEY BICKFORD	3,202,387	DOGRA, ADWAY	3,202,158
CORREALE, PAOLO	DAVIDSON, JOSIAH	3,203,454	DOLAN, WILLIAM B.	3,202,142
CORTHORN, GRANT	DAVIS, THOMAS	3,202,417	DOLE, OKMAR	3,202,443
COSKUN, TAMER	DAYMAN, JEFFREY GEORGE	3,201,121	DOLEN, GUL	3,203,642
COSUCRA GROUPE WARCOING S.A.	DAZL INCEPTION INC.	3,202,143	DOMMERS, PHILIPP	3,201,223
COURCHAY, FLORENCE CATHERINE	DE ANGELIS, BIAGIO	3,201,189	DONG, XIAOYANG	3,201,152
COURCHAY, FLORENCE CATHERINE	DE BONO, JOHANN	3,202,058	DONG, XUELIANG	3,201,271
COURTIOL, PIERRE	DE DEUS, JUNIA L.	3,203,642	DONOVAN, BRIAN W.	3,202,650
	DE JONGH, WILLEM		DOORNBOS, ROBERT PAUL	3,202,123
	ADRIAAN	3,202,379	DORESTE BROWN, MIRIAM	3,200,071
	DE KRUIJF, AALTE WILLE		DORR, MARCEL	3,203,654
	MIJNTE	3,203,662	DOUCHE, THIBAULT	3,202,252
	DE LA ROSA, MARK	3,202,514	DOUGLASS, JACQUELINE	3,203,773
	DE, TATHAGATA	3,202,158	DOUVILLE, CHRISTOPHER	3,201,235
	DECKER, ANN MARIE	3,203,612	DOW GLOBAL	
	DECKER, DAVID	3,202,346	TECHNOLOGIES LLC	3,201,267
	DEDIG, JAMES	3,203,474	DOW GLOBAL	
	DEDOMIC, COREY JAMES	3,202,638	TECHNOLOGIES LLC	3,202,471
	DEFLORIAN, STEFANO	3,202,238	DOW GLOBAL	
	DEGEL, ROLF	3,201,207	TECHNOLOGIES LLC	3,202,487
	DEGEN, DORIAN	3,203,654	DOW GLOBAL	
	DEHAENE, OLIVIER	3,203,464	TECHNOLOGIES LLC	3,202,491
	DELACROIX, JESSICA	3,202,028	DOW GLOBAL	
			TECHNOLOGIES LLC	3,202,492

## Index of PCT Applications Entering the National Phase

DOW GLOBAL TECHNOLOGIES LLC	3,202,498	EDWARDS LIFESCIENCES CORPORATION	3,203,650	FAN, XIAOHU	3,203,603
DOW GLOBAL TECHNOLOGIES LLC	3,202,689	EDWARDS, CHRISTINE	3,202,126	FAN, YUCHEN	3,203,463
DOW GLOBAL TECHNOLOGIES LLC	3,202,690	EDWARDS, CHRISTINE	3,202,134	FANG, FRANCIS G.	3,203,177
DOW GLOBAL TECHNOLOGIES LLC	3,202,691	EDWARDS, CHRISTINE	3,202,146	FANG, GANQING	3,201,177
DOW GLOBAL TECHNOLOGIES LLC	3,202,692	EDWARDS, RICHARD MARK	3,202,149	FANG, JIANMIN	3,202,187
DOW GLOBAL TECHNOLOGIES LLC	3,202,693	EHRSTROM, JEAN-CHRISTOPHE	3,202,257	FANG, YINGYUAN	3,201,230
DOW GLOBAL TECHNOLOGIES LLC	3,202,694	EISAI R&D MANAGEMENT CO., LTD.	3,203,686	FANG, ZHIHUA	3,202,573
DOW GLOBAL TECHNOLOGIES LLC	3,202,695	EISAI R&D MANAGEMENT CO., LTD.	3,203,177	FARDIS, MARIA	3,202,473
DOW SILICONES CORPORATION	3,201,266	EJZENBERG, GEOFFREY ELBAN, MARK ANDREW	3,203,800	FARESIN FORMWORK S.P.A.	3,202,162
DOW TECHNOLOGY INVESTMENTS LLC	3,201,268	ELCANO, MICHAEL ALBERT	3,201,234	FAVERO, CEDRICK	3,202,439
DOWDLE, JOHN R.	3,202,498	ELI LILLY AND COMPANY	3,201,152	FEDORAK, BRYAN NEIL	3,201,121
DOYLE, LIAM	3,201,196	ELI LILLY AND COMPANY	3,202,628	STEPHEN	3,202,169
DOYLE, MICHAEL	3,202,334	ELIADES, ALEXIA	3,201,167	FEGYVERNEKI, DANIEL	3,202,248
DRAKE, ADAM	3,202,255	ELIGAB TX LLC	3,201,377	FELDMAN, BENJAMIN J.	3,202,656
DRAKOS, NICHOLAS D.P.	3,202,657	ELISA OYJ	3,203,283	FELICIANI, LAZZARO	3,201,125
DRESSER, LLC	3,201,264	ELLER, JOHN GARY	3,203,455	FERENZ, MICHAEL	3,201,374
DRESSER, LLC	3,202,465	ELLIS, KEITH GORDON	3,202,345	FERNIE, ANDREW	3,203,334
DRIESSE, MARIANNE	3,201,118	ELLISON, KYLE	3,202,293	FERRAND, MARIA	3,201,323
DRUMRIGHT, RAY E.	3,201,267	ELLWANGER, DANIEL C.	3,203,761	DIMITROVA	3,202,473
DRYLYTE, S.L.	3,201,056	ELSER, JAMES JOSEPH	3,203,786	FIELDHOUSE, CHARLOTTE	3,202,054
DU TERRAIL, JEAN	3,203,165	EMBODY, INC.	3,202,423	FELICIANI, LAZZARO	3,203,444
DUAN, JIANXIN	3,203,644	EMPL, GUNTER	3,202,310	FERENZ, MICHAEL	3,202,656
DUAN, SHUYU	3,202,695	ENGELS FAMILIE HOLDING B.V.	3,202,167	FERNEZ, MARK	3,201,350
DUBED ECHEVERRIA, MARTA	3,202,603	ENGELS, CHRISTIAAN	3,202,180	FLOREZ, MARK	3,201,328
DUDAS, ADAM	3,202,169	MICHEL	3,202,278	FOLTZ, IAN N.	3,203,786
DUERRER, ALBRECHT	3,201,110	ENGELS, FRANCISCUS	3,202,278	FONTAINE, SIMON	3,202,358
DUMANOIR, LOU	3,202,387	MARIA	3,202,278	FORICHER, YANN	3,202,256
DUMITRASCU, MARIUS	3,202,636	ENGELS, MARCUS	3,202,293	FORSCHUNGSVERBUND	3,201,178
DUMONT, ANDREW	3,202,325	FRANCISCUS	3,203,761	BERLIN E.V	3,201,392
DUNN, MICHAEL	3,202,629	ENI SPA	3,202,278	FORTUNY, CECILE	3,202,408
DUONG, SULING	3,203,632	ENI SPA	3,202,278	FOSECO INTERNATIONAL	3,202,566
DURKIN, BRADLEY	3,202,631	ENIGMA BIOINTELLIGENCE, INC.	3,202,278	LIMITED	3,202,621
DURST, TONY	3,201,232	ENZENSPERGER, CHRISTOPH	3,202,278	FOSTER, SIMON	3,203,624
DUTOT, MELODY	3,202,623	ERNST, PHILIPP	3,202,278	FOUGEROUX, CYRIELLE	3,202,379
DVO LICENSING INC.	3,202,350	ESTEPAR, RAUL SAN JOSE	3,202,200	ELYETTE	3,201,324
DVORAK, STEPHEN W.	3,202,350	ETIENNE LACROIX TOUS ARTIFICES S.A.	3,202,200	FOUGNIES, CHRISTIAN	3,202,398
DVORSKY, ANATOLY	3,199,434	ETIENNE LACROIX TOUS ARTIFICES S.A.	3,203,664	FOX, JUSTINE CELESTE	3,203,310
DX TECH PTY LTD	3,202,178	F. HOFFMANN-LA ROCHE AG	3,203,575	FRANCIS, MICHAEL P.	3,203,473
DYE, BOB	3,202,203	FA CORPORATION	3,203,576	FRANCIS, MICHAEL P.	3,202,438
DYNAVAX TECHNOLOGIES CORPORATION	3,202,133	FAN, CHUAN	3,202,553	FRANK, JOSEPH	3,202,447
DZILLAS, HOLGER	3,202,576	FAN, GUANMIN	3,203,105	FRASER, DAVID ALAN	3,201,254
EARP, MALCOLM	3,202,293	FAN, JING	3,203,635	FRED HUTCHINSON CANCER CENTER	3,202,566
EBRAHIMZADE, NIMA	3,202,194	FAN, JUN	3,201,374	FREEMAN, JOHN J.	3,202,566
EBRAHIMZADE, NIMA	3,202,199	FAN, YAN	3,203,444	FREEMAN, MALLORY	3,201,551
ECKARDT, TOBIAS	3,202,142	FARCOM MEDICAL INC.	3,203,449	FREENOME HOLDINGS, INC.	3,201,375
ECO METALS RECOVERY (HOLDING) LIMITED	3,201,132	FAVORITE HOLDINGS INC.	3,202,593	FREEZIO AG	3,202,255
ECOPRO MATERIALS, CO., LTD.	3,185,572	FAVORITE HOLDINGS INC.	3,203,282	FRIEDICH, STEVEN G.	3,202,180
EDGAR, ROBERT	3,202,361	FAYENCE GROUP INC.	3,201,230	FRIEDICH, STEVEN G.	3,201,151
EDWARDS LIFESCIENCES CORPORATION	3,199,434	FAYENCE GROUP INC.	3,203,426	FRISBIE, STEPHEN P.	3,201,171
EDWARDS LIFESCIENCES CORPORATION	3,203,459	FAYENCE GROUP INC.	3,203,426	FRITH, BENJAMIN G.	3,201,183
		FAYENCE GROUP INC.	3,203,564	FRITH, TERENCE G.	3,201,225
		FAYENCE GROUP INC.	3,202,573	FRITSCH, THOMAS	3,202,081
		FAYENCE GROUP INC.	3,202,573	FU, JIPING	3,202,355
		FAYENCE GROUP INC.	3,202,573	FU, LIAN JIANG	3,202,398
		FAYENCE GROUP INC.	3,202,573	FUCHS, THOMAS	3,202,208
		FAYENCE GROUP INC.	3,202,573	FUCHS, WERNER	3,202,156

## Index des demandes PCT entrant en phase nationale

FUERST, DOUGLAS	3,203,278	GILHOOLEY, SEAMUS	3,202,597	GREEN, EDWARD	3,202,257
FUJIWARA, MIZUKI	3,201,119	GILLIES, STEPHEN	3,203,105	GREENERTY GMBH	3,202,576
FURUYA METAL CO., LTD.	3,203,626	GIRARDI, PAOLO	3,201,202	GREENFOX MARINE AS	3,202,150
GADD, CRAIG THOMAS	3,203,740	GIRARDIN, AURELIE	3,202,294	GREENLEAF, MATTHEW	3,202,314
GAETAN, CARLO	3,201,202	GISSEN, PAUL	3,202,560	GREGG, CHRISTOPHER	3,203,766
GAGNER, MICHEL	3,202,182	GIVAND, JEFFREY C.	3,201,320	GRIER, SHAUN	3,202,339
GALAN ROMANO, FELIX SILVESTRE	3,202,207	GIVAUDAN SA	3,203,815	GRIJPSTRA, JAN	3,203,450
GALANO, MOISES	3,203,815	GIVAUDAN SA	3,203,818	GRILLI, MARCO	3,202,455
GALANO, MOISES	3,203,818	GLAXOSMITHKLINE	3,202,140	GRIMAUD, MICHEL	3,202,276
GALECTO BIOTECH AB	3,203,618	BIOLOGICALS SA	3,203,278	GRIMM, SEBASTIAN	3,202,296
GALIMBERTI, MAURIZIO STEFANO	3,201,201	GLAXOSMITHKLINE	3,203,278	GROFILS, SEBASTIEN	3,201,266
GALLAGHER, JOSE-LUIS	3,200,792	INTELLECTUAL PROPERTY LIMITED	3,201,152	GROGAN, BRYAN M.	3,203,777
GALLARDO, THOR	3,202,540	GLAZER, PETER	3,203,778	GROSSI, NICCOLO	3,202,455
GALLEY, CHRIS	3,202,681	GLENAT, CECILE	3,203,575	GRUBER, JOSHUA JAMES	3,203,814
GALLEY, GUIDO	3,203,282	GLENAT, CECILE	3,203,576	GRYGUS, BRYAN	3,202,325
GALLI, LUCIANO	3,202,630	GLOBAL BUSINESS		GT METABOLIC SOLUTIONS, INC.	3,202,182
GALTIER, MATHIEU	3,203,165	SOFTWARE DEVELOPMENT		GUANG, JIE	3,201,152
GALVAN D'ALESSANDRO, LEANDRO	3,201,324	TECHNOLOGIES, INC.	3,201,183	GUBA, WOLFGANG	3,203,282
GAMBERA, GIOVANNI	3,203,574	GLOWACKI, JOHN ANTHONY JR.		GUILLEMETTE, CHRISTIAN	3,203,711
GAN, MING	3,202,490	GNAEDINGER, FLORIAN	3,203,632	GULER, CENK	3,202,458
GANDMAN, ANDREY	3,202,171	GO, GYOUNG MIN	3,203,571	GULLIKSTAD, ROGER	3,202,150
GANGULI, ANURUP	3,202,583	GOBBI, LUCA	3,202,435	GUMUSKAYA, GIZEM	3,203,588
GAO, BEI	3,202,303	GOHLKE, MARTIN	3,203,282	GUNAY, MURAT	3,201,377
GAO, BO	3,203,487	GOKSOYR, LOUISE	3,202,133	GUNDLACH, JOHN D.	3,201,388
GAO, BO	3,203,489	GOLDHAMMER, KURT	3,202,379	GUNTHER, RENE	3,202,160
GARCIA FABREGAS, RUBEN	3,202,495	GOMEZ-MANCILLA,	3,202,334	GUO, CHENG-EN	3,202,321
GARCIA PUPO, LAURA	3,200,071	BALTAZAR	3,203,607	GUO, HAIBING	3,202,573
GARCIA RIVERA, DAGMAR	3,202,603	GONZALEZ MESA, LEONORA	3,200,071	GUO, HAIFENG	3,202,290
GARCIA, JEFFREY	3,203,470	GONZALEZ RODRIGUEZ,		GUO, LIANG	3,202,061
GARCIA-GALLONT, IGNACIO VITERI	3,203,643	HUMBERTO	3,202,603	GUO, QINGSONG	3,202,303
GARHYAN, PARAG	3,202,345	GOODFELLOW, BRIAN W.	3,202,692	GUO, SHUCHUN	3,202,573
GARNIER, CELINE	3,202,424	GOODMAN		GUPTA, ASHISH	3,203,306
GASBAK, SVEIN	3,202,163	MANUFACTURING		GUPTA, SATYA V.	3,201,354
GASPARINI, FABRIZIO	3,203,607	COMPANY LP	3,202,158	GUPTA, SATYA V.	3,202,446
GAVIN, MIKE	3,203,453	GOODMAN, AMANDA M.	3,202,498	GUPTA, SATYA V.	3,202,448
GEICK, ANKE	3,202,202	GOODWIN, SEAN	3,201,132	GUPTA, VAIBHAV	3,203,306
GEIMER, STEPHAN	3,201,207	GOOGLE LLC	3,185,202	GUTIERREZ CASTILLO, JOAN	
GENENTECH, INC.	3,203,463	GOPAL, SRIHARI	3,203,448	DAVID	3,201,056
GENERAL ELECTRIC COMPANY	3,203,463	GOPAL, SRIHARI	3,203,566	GUYON, FRANCK	3,202,387
GENESYS CLOUD SERVICES, INC.	3,201,261	GORDON TECHNOLOGIES	3,203,567	GW RESEARCH LIMITED	3,202,250
GENG, XIANG	3,202,663	LLC	3,201,225	GYMORE, ADAM	3,202,169
GENNAO BIO, INC.	3,201,125	GORDON, HUGH DOUGLAS	3,203,300	GYONGYOSI, MATE	3,202,169
GENOMICS PLC	3,203,778	GORLA, VIVEKA	3,203,752	GYRN, STEFFEN	3,203,449
GENOMICS PLC	3,203,577	GORMLEY, WILLIAM B.	3,203,589	HAAGSMAN, HENDRIK	
GENZYME CORPORATION	3,203,578	GOSLOVICH, KURT S.	3,201,550	PETER	3,202,622
GERFER, ALEXANDER	3,202,424	GRABERG, STIG VEMUND	3,202,185	HAAKSMAN, VIKTOR	
GERLACH, MARCUS	3,203,654	GRACO MINNESOTA INC.	3,202,147	ALBERT	3,202,046
GERLACH, MARTIN	3,201,178	GRACO MINNESOTA INC.	3,202,591	HACKENBERGER, CHRISTIAN	3,201,178
GHARDA CHEMICALS LIMITED	3,202,576	GRANELLI, CHRISTOPHER	3,201,320	HAGEDORN-OLSEN, TINE	3,203,749
GHATTYVENKATAKRISHNA, PAVAN	3,201,356	GRANITEFUEL ENGINEERING INC.	3,203,639	HALBIG, DANIEL	3,202,325
GHOSH, SHREYA	3,203,468	GRANT, ELLIOTT	3,202,321	HALKETT, HUGH CRAIGIE	3,202,681
GIAI GIANETTO, QUENTIN	3,202,583	GRANT, HALEY	3,201,235	HALLEGCK, BRIAN	3,202,155
GIANNIAS, NICK	3,202,252	GRASS VALLEY LIMITED	3,202,617	HALUSCHKA, CHRISTOPH	3,202,576
GIGAMUNE, INC.	3,203,334	GRASS, CARL	3,202,514	HAMILTON, GREGORY	
GIL, JULIO	3,202,361	GREAT PLAINS		LAWRENCE	3,203,294
GILES, JASON F.	3,201,376	RESTORATION SOLUTIONS INC.	3,201,231	HAMILTON, GREGORY	3,203,295
	3,201,268	GREBNER, CHRISTOPH	3,202,256	LAWRENCE	3,203,457

## Index of PCT Applications Entering the National Phase

HAMILTON, GREGORY LAWRENCE	3,203,628	HINDLE, NEIL HIONIDI, YULIA	3,202,263 3,201,129	HUH, HEEJAE HUH, HEEJAE	3,203,286 3,203,460
HAMILTON, GREGORY LAWRENCE	3,203,741	HIPPENSTIEL, FRANK HIRANO, MASUHARU	3,201,262 3,201,273	HUH, HEEJAE HUI, HON	3,203,759 3,202,151
HAMILTON, GREGORY LAWRENCE	3,203,742	HIRAOKA, MIKI HIRATA CORPORATION	3,201,273 3,203,667	HUNT, PHILLIP HUNTER, ROBIN	3,202,449 3,202,138
HAMILTON, GREGORY LAWRENCE	3,203,784	HIRATA CORPORATION	3,203,669	HUNTSMAN ADVANCED MATERIALS LICENSING	
HAN, CHI-YOUNG	3,202,055	HIRSCH, BRETT HIRSCH, JAMES	3,203,751 3,202,155	(SWITZERLAND) GMBH	3,203,571
HANMI PHARMACEUTICAL CO., LTD.	3,202,057	HIRSCH, THOMAS HISHIYA, AKINORI	3,202,155 3,199,433	HUNTSMAN PETROCHEMICAL LLC	
HANZAWA, NOBUTOMO	3,203,610	HITACHI RAIL STS USA, INC.	3,201,365	HURLEY, JONATHAN	3,203,582
HAO, XIN	3,202,251	HJELKREM, INGE	3,202,185	HURLIMANN RAILTEC AG	3,202,188
HARLEY-TROCHIMCZYK, ANNA C.	3,203,740	HO, BYRON GAJUN HO, MING-HSUN	3,202,628 3,201,152	HURLIMANN, ADRIAN HUSQVARNA AB	3,202,188 3,203,301
HARPER, SCOTT QUENTON	3,203,585	HO, TINGYU	3,203,752	HUSQVARNA AB	3,203,303
HARPER, SCOTT QUENTON	3,203,748	HOANG, TRAM H.	3,201,152	HUSQVARNA AB	3,203,581
HARREITHER, WOLFGANG	3,202,433	HOCHHAUS, ANDREAS	3,202,200	HUSSEY, MARTYN	3,203,247
HARRIS, DAVE	3,202,148	HODGSON, MATTHEW	3,202,179	HWANG, MICHAEL S.	3,203,773
HART, KASSY MOY	3,201,261	HODGSON, MATTHEW	3,202,184	HWANGBO, KWANG-SU	3,202,172
HARVEY, MATTHEW	3,203,247	HOEFT, PAULUS ANTONIUS AUGUSTINUS	3,201,116	HWANGBO, KWANG-SU HYDROGEN MEM-TECH AS	3,202,317 3,202,185
HASKONINGDHV NEDERLAND B.V.	3,202,046	HOEFT, PAULUS ANTONIUS AUGUSTINUS	3,201,117	HYIVY HEALTH INC. I2O THERAPEUTICS, INC.	3,202,053 3,202,389
HASSON, SAMUEL A.	3,203,786	HOFMAN, THOMAS	3,202,138	IAVARONE, ANTONIO	3,202,513
HATTELAND, MAGNE	3,201,350	HOLCIM TECHNOLOGY LTD	3,201,149	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	
HAUPT, AXEL RICHARD KARL-AUGUST	3,202,345	HOLFELDER, KLAUS	3,201,358	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	3,201,128
HAURY, JOHN	3,203,474	HOLMBERG, MATTIAS	3,202,576	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	
HAWKINS, JOHN	3,202,255	HOLMES, ERIC S.	3,202,686	ICE BIOSCIENCE INC.	3,203,637
HAYES, JACK	3,202,153	HOOPER, TIMOTHY	3,201,231	IDEXX LABORATORIES, INC.	3,202,186
HAYMOND, BRYAN	3,203,290	HOOVER, JENNA MARIE	3,200,428	IKEA SUPPLY AG	3,203,484
HAYMOND, BRYAN	3,203,787	HOOVER, JENNA MARIE	3,200,430	IKEDA, OSAMU	3,203,285
HE, ZHEN	3,203,487	HORL 1993 GMBH	3,203,816	IKEDA, YASUYUKI	3,203,626
HEBBLER, PHILIP GREGORY	3,203,466	HORL, OTMAR	3,203,816	ILASIS LASER	3,202,164
HEGDE, GAJANAN	3,202,661	HORL, TIMO	3,201,116	ILDONG PHARMACEUTICAL CO., LTD.	
HEGGEMANN, ROLAND (DECEASED)	3,202,156	HORN, JUERGEN	3,203,278	ILLINOIS TOOL WORKS INC.	3,202,055
HEIBEL, MICHAEL D.	3,202,458	HORSTMAN, ANNEKE	3,203,177	IMHOF, ANDREW	3,203,305
HEINTZMAN, NATHANIEL D.	3,203,740	HOSFORD, JOSEPH	3,201,542	INCYTE CORPORATION	3,201,365
HEIREDAL-CLAUSEN, THOMAS	3,201,278	HOSHIKAWA, TAMAKI	3,203,761	INMED, INC.	3,203,587
HEISER, RYAN A.	3,203,777	HOTCHKISS, THOMAS	3,202,256	INSTITUT PASTEUR	3,202,050
HELEN OF TROY LIMITED	3,201,388	HOTCHKISS, TOBIAS	3,201,158	INSTITUT POLYTECHNIQUE DE GRENOBLE	3,202,252
HELMA-SMET, JONAS	3,201,178	HOURCADE, STEPHANE	3,202,689	INSTITUTO FINLAY DE VACUNAS	3,203,486
HEMMINGWAY, CHRIS	3,202,282	HOUER, JING L.	3,202,690	INTEGRAN TECHNOLOGIES INC.	
HENDERSON, MICHAEL	3,202,267	HOUSER, JING L.	3,202,432	INTELLIGENT ENERGY LIMITED	3,202,440
HENDRICKSON USA, LL.C.	3,201,233	HOUWELINGEN-DE JONG, DIRKJE	3,202,540	INTERVET INTERNATIONAL B.V.	3,202,603
HENDRIKS, LINDA JOHANNA ALEIDA	3,202,123	HOVGAARD, LIV	3,202,270	INSURANCE SERVICES OFFICE, INC.	3,202,148
HENRIKSEN, KIM	3,201,167	HOWARTH, MARK	3,203,290	INVESTX, INC.	
HEPTARES THERAPEUTICS LIMITED	3,202,054	HOWELL, GLADE H.	3,202,621	INTEGRAN TECHNOLOGIES INC.	3,202,440
HERATH MUDIYANSELAGE, RASANJAYA	3,203,649	HRABINA, DAVID	3,203,758	INTELLIGENT ENERGY LIMITED	3,203,624
HERISSON, ALEXANDRE	3,203,486	HSIEH, ADAM H.	3,203,773	INVESTX, INC.	
HERMANN, OLGA	3,201,210	HSIUE, EMILY HAN-CHUNG	3,203,639	INTERVET INTERNATIONAL B.V.	3,202,683
HERPHORIC, INC	3,202,468	HU, LINJIE	3,202,490	INTERVET INTERNATIONAL B.V.	
HETWIN AUTOMATION SYSTEMS GMBH	3,203,420	HU, MENGSHI	3,202,339	IOANNIDES, MARIOS	3,203,279
HETZENAUER, JOSEF	3,203,420	HUANG, BAOCHUAN	3,202,629	IOVANCE	3,201,120
HEUBERGER, ADAM L.	3,201,211	HUANG, TAMMY	3,202,516	BIOTHERAPEUTICS, INC.	3,202,038
HIGGINBOTHAM, TIM	3,202,681	HUANG, WEI-SHENG	3,197,861	IP CONCEPTS LLC	3,203,757
HIGGINS, SEAN	3,201,392	HUANG, XINGTAO	3,202,475	IRELAND, JASON	3,201,327
HINCHLIFFE, PAUL STUART	3,202,250	HUANG, ZHENGYU	3,202,490		
		HUAWEI TECHNOLOGIES CO., LTD.	3,203,425		

## Index des demandes PCT entrant en phase nationale

ISLAM, MD. SAIFUL	3,202,058	JOSHI, JANAK R.	3,201,211	KERSHAW, CHRISTOPHER	
ISMAH-MOSHE, YARON	3,202,663	JPMORGAN CHASE BANK,		STEPHEN	3,201,224
ITANO, WATARU	3,203,177	N.A.	3,203,649	KEY, CHRISTOPHER	3,202,203
ITESCU, SILVIU	3,202,153	JSIP, LLC	3,201,112	KEYBIOSCIENCE AG	3,201,167
ITO, TAKASHI	3,203,626	JT INTERNATIONAL S.A.	3,202,174	KHADER, YARA	3,199,434
IVANTI, INC.	3,202,651	JUDSON, JARED ALDEN	3,201,377	KHALIL, DANNY NAJAD	3,202,384
IWAI, YOSHINORI	3,203,285	JUNG, HOE YUNE	3,202,145	KHAMKAR, RAHUL	
IZBICKA, ELZBIETA	3,202,461	JUNG, JI-MIN	3,202,172	HARISHCHANDRA	3,201,356
JACKSON, MIKE	3,201,246	JUNG, JI-MIN	3,202,317	KHERA, SUNITA	3,202,398
JAKOB, MATTHIAS	3,203,598	JUNG, JIN CHUL	3,202,435	KHORENIAN, RAFFI, D.	3,203,793
JAKOB, MATTHIAS	3,203,599	JUNG, WERNER-ALFONS	3,201,198	KHOURI, KHALIL R.	3,203,745
JANG, CHUL HO	3,202,435	JUPPE, LAURENT	3,201,158	KHOURI, ROGER K.	3,203,745
JANG, MEI	3,202,339	JURUENA, MARIO		KHURSHUDOV, ANDREI	3,201,263
JANS, NOEL	3,201,234	FRANCISCO PEREIRA	3,202,522	KIEFFER, JOHANN	3,202,439
JANSSEN BIOTECH, INC.	3,203,603	KAARTO, JOHN	3,201,213	KIELCZEWSKA, AGNIESZKA	3,203,780
JANSSEN PHARMACEUTICA NV	3,203,448	KABAGAMBE, BENJAMIN	3,202,638	KIKUTA, KENJI	3,203,177
JANSSEN PHARMACEUTICA NV	3,203,566	KAGABO, DIANE	3,203,450	KILPELAINEN, VILI	3,203,283
JANSSEN PHARMACEUTICALS, INC.	3,203,450	KAHN, LAUREN E.	3,203,297	KIM, DAE-SHIK	3,203,177
JEANBART, LAURA	3,202,296	KALPANA TECHNOLOGIES B.V.	3,201,305	KIM, DAE-WOO	3,202,480
JENNIFER, MICHAELSON	3,202,397	KAMAT, VISHAL	3,202,629	KIM, DO-GYUN	3,202,193
JENNIRICH, CAROLYN	3,202,504	KAMATH, APURV U.	3,203,740	KIM, DO-GYUN	3,202,172
JENSCARE SCIENTIFIC CO., LTD.	3,202,577	KAMIKAWA, AKIO	3,203,285	KIM, DONG HEE	3,202,317
JENTZSCH, MAX	3,203,651	KAMIKUBO, TAKASHI	3,203,285	KIM, GUN TAE	3,185,572
JEON, JONG SU	3,202,145	KANG, BO-HYUN	3,202,172	KIM, HAK-KYUN	3,202,172
JEONG, DA WOON	3,203,477	KANG, BO-HYUN	3,202,317	KIM, HAK-KYUN	3,202,055
JEONG, JONG SEONG	3,202,435	KANG, HEE JUN	3,203,477	KIM, HYEONG-EUN	3,202,055
JEPSON, LAUREN H.	3,203,740	KANG, JIHOON	3,202,635	KIM, IL HWAN	3,202,479
JERICHO OFFROAD PTY LTD	3,203,300	KANG, KI MOON	3,203,479	KIM, IN HO	3,202,193
JEWELL, TYLER P.	3,201,263	KANSAI PAINT CO., LTD.	3,201,119	KIM, JAE-WOONG	3,202,172
JI, JING	3,202,695	KAPADNIS, PRASHANT		KIM, JAE-WOONG	3,202,317
JIANG, CHUANGXIN	3,203,489	BHIMRAO	3,202,126	KIM, JI SOOK	3,202,057
JIANG, FAN	3,197,861	KAPADNIS, PRASHANT		KIM, JIHYE	3,202,152
JIANG, JINLIN	3,203,280	BHIMRAO	3,202,146	KIM, JIHYE	3,202,287
JIANG, SHISONG	3,202,257	KAPADNIS, PRASHANT		KIM, JIHYE	3,202,635
JIANG, XULIANG	3,201,124	KARAFIN, JONATHAN SEAN	3,202,149	KIM, KYOUNG JU	3,202,193
JIANGMEN MOORE TECHNOLOGY., LTD	3,203,428	KARLGAARD, MATT	3,202,138	KIM, KYOUNG-HO	3,203,740
JIANGXI JEMINCARE GROUP CO., LTD	3,202,573	KARSDAL, MORTEN ASSER	3,202,269	KIM, MIN JEONG	3,202,057
JO, MIN-KI	3,202,172	KARSTEN MANUFACTURING CORPORATION	3,202,346	KIM, SEOK HWAN	3,202,462
JO, MIN-KI	3,202,317	KASPER, MARC-ANDRE	3,201,167	KIM, TAE YOUNG	3,203,481
JOGANI, VINIT	3,185,202	KASSIOU, MICHAEL	3,203,775	KIM, TAE-YOON	3,202,055
JOHANNING, JEFFREY LOUIS	3,201,264	KASTNER, CHRISTINE	3,201,178	KIM, WON JEOUNG	3,202,057
JOHN BEAN TECHNOLOGIES CORPORATION	3,203,466	KATO, YURI	3,201,546	KIM, WOO JIN	3,185,572
JOHNSON & JOHNSON ENTERPRISE INNOVATION INC.	3,203,664	KATTE, TIMOTHY	3,201,361	KIM, YONG HUN	3,185,572
JOHNSON MATTHEY PUBLIC LIMITED COMPANY	3,201,542	KATZ, BRITTA	3,203,614	KIM, YOUNG-HOO	3,202,190
JOHNSON, DAVID SCOTT	3,202,361	KAUSSSEN, FRANK MARLIN	3,201,546	KINDRED BIOSCIENCES, INC.	3,202,055
JOHNSON, PETER J.	3,201,265	KAWASAKI RAILCAR MANUFACTURING CO., LTD.	3,201,210	KINIKSA	3,202,331
JOHNSON, RANDY ALLEN	3,203,179	KAWASHIMA, HIKARU	3,201,207	PHARMACEUTICALS, LTD.	
JOHNSON, TIM	3,201,203	KBA-NOTASYS SA	3,203,614	KINLOCH, ANDREW	3,202,339
JOLIVET, JEAN	3,202,294	KELDENICH, JEROME	3,201,180	KINNEY, JAMES	3,203,105
JOSEPH, ADRIAN VICTOR ALLEN	3,203,570	KELLY, KENNETH WADE	3,203,177	KINOXIS THERAPEUTICS PTY LTD	3,202,468
		KELLY, MATTHEW	3,201,191	KINSEY, CHARLES	3,201,546
		KEMPKEY, MARK D.	3,201,395	MATTHEW	3,203,664
		KENJOCKETY	3,202,191	KINZLER, KENNETH W.	3,201,235
		BIOTECHNOLOGY, INC.	3,202,686	KINZLER, KENNETH W.	3,203,773
		KENYON, ROSS	3,203,738	KIRKPATRICK, SCOTT	3,203,301
		KERR, AMY	3,203,740	KIRKPATRICK, SCOTT	3,203,303
			3,203,652	KIRSCHBERG, THORSTEN	3,202,151
			3,202,325	KIS, MICHAEL	3,203,590
			3,202,155	KITCHENS, MICHAEL	3,201,222
				KLEINBERG, ANDREW	3,202,429

## Index of PCT Applications Entering the National Phase

KLEINGARTNER, JUSTIN	3,201,196	KYUSHU UNIVERSITY,	LEE, RANDY	3,203,474
KLEOPA, KLEOPAS	3,203,748	NATIONAL UNIVERSITY	LEE, SEONG-WOOK	3,203,481
KLOIBER-MAITZ, MONIKA	3,202,093	CORPORATION	LEE, SOON-O	3,202,172
KNAAK, CARSTEN	3,202,093	L'HERYENAT, DOEZVAL	LEE, SOON-O	3,202,317
KNAUF GIPS KG	3,201,358	LABEQUE, REGINE	LEE, SU HYUN	3,203,479
KNORR, FLORIAN		LABEQUE, REGINE	LEE, SUNGHEE	3,202,055
ALEXANDER	3,202,576	LACHENAL, DOMINIQUE	LEE, YURI	3,202,635
KNOWLES, GREGORY BRIAN	3,201,126	LADACI, AYOUB	LEEB, TINA	3,202,433
KNUDSEN, GISELLE M.	3,202,616	LADUCA, FRANK M.	LEHMANN, ANDERS	3,202,177
KNUDSEN, KIM MARK	3,202,157	LAGADEC, JEAN	LELY PATENT N.V.	3,203,662
KOEKEN, ADRIANUS	3,202,692	LAHAYE, VINCENT	LEON CHAVIANO, SAMILA	3,200,071
KOLON INDUSTRIES, INC.	3,202,193	LAHOUD, IMAD	LEON MONZON, KALET	3,202,603
KOLOZSVARI, NATALIA	3,202,169	LAHOUEL, KAMEL	LEONARD, MICHAEL W.	3,201,267
KOLYSHKIN, ANTON	3,203,781	LAI, MING-TAIN	LEONHARDT, HEINRICH	3,201,178
KOMPLIN, GLENN CHARLES	3,203,286	LAIDLER, IAN	LEOPOLD GMBH	3,202,259
KOMPLIN, GLENN CHARLES	3,203,460	LAKE O'HARA LLC	LEOTTA, CLAUDIA	
KOMPLIN, GLENN CHARLES	3,203,759	LAM, JONATHAN ANDREW	GIOVANNA	3,203,573
KOMURA, KATSUTO	3,201,119	LAMARQUE, DOMINIQUE	LESTER, WILLIAM	3,202,183
KONG, JIN-HAK	3,202,172	LAMERS, PAUL HUBERT	LESZCZAK, JEAN-PIERRE	3,202,424
KONG, JIN-HAK	3,202,317	LAMOUREUX, CLEMENT	LEVIN, MICHAEL	3,203,588
KONG, JIXIANG	3,201,361	LAMPEI, JAN	LEVITSKY, VICTOR	3,202,296
KONG, WEIXIN	3,202,290	LAN, YONGQING	LEWIS, JEFFERY D.	3,202,148
KONIG, MAXIMILIAN	3,203,773	LANDIS+GYR INNOVATIONS,	LG ENERGY SOLUTION, LTD.	3,202,172
KONIGSSON, STAFFAN	3,201,187	INC.	LG ENERGY SOLUTION, LTD.	3,202,317
KONORTY, MARINA	3,201,129	LANDIS, CHAD ALAN	LI, BOCHONG	3,202,397
KORUS, ANTON	3,202,179	LANE, MICHAEL T.	LI, FENGFENG	3,203,418
KORUS, ANTON	3,202,181	LANE, MICHAEL T.	LI, FENGFENG	3,203,502
KORUS, ANTON	3,202,184	LANG, SHANSHAN	LI, FENGFENG	3,203,562
KOTIN, ROBERT	3,202,459	LANGLEY, TREVOR	LI, FENGFENG	3,203,658
KOTOBUKI		LANGMUIR, PETER	LI, FENGWANG	3,202,682
PHARMACEUTICAL CO., LTD.	3,203,285	LANGOY, PER	LI, KECHENG	3,201,121
KOUMBARIS, GEORGE	3,202,038	LANNOY, DAMIEN	LI, NANTAO	3,202,583
KOYA, KEIZO	3,199,433	LANVI PATENT B.V.	LI, RIHONG	3,203,428
KRAKAUER, JOHN	3,203,642	LAROCHE, THOMAS PATRICK	LI, SHAOLING	3,202,424
KRAMINSKY, SONYA	3,199,434	LASORELLA, ANNA	LI, SHIGENG	3,201,151
KRANTZ, JEREMY DOUGLAS	3,202,628	LAU, HIENG KIONG	LI, SHIGENG	3,201,171
KRAPCHETOV, DMITRY A.	3,202,689	LAURICHESSE, STEPHANIE	LI, SHYR JIANN	3,202,331
KRAPCHETOV, DMITRY A.	3,202,690	LAUX, SEBASTIEN	LI, WAN-FEN	3,203,644
KRIEFTEWIRTH, MICHAEL	3,203,450	LAUX, SEBASTIEN	LI, YINGJI	3,203,637
KRINKE, TODD A.	3,202,182	LAVALLEE, ANNIE-PIER	LI, ZHE	3,201,115
KRISTEN, ANDRE DAWSON	3,203,572	LAW, SHEK HANG BENEDICT	LI, ZILU	3,202,642
KRUGER, MARC	3,202,180	LAWSON, JOHN DAVID	LIANG, YAN	3,203,426
KRUZYNSKI, GREGG E.	3,202,425	LAZAR, SIMONE T.	LIEBMANN, BURGHARD	3,202,414
KSANA HEALTH, INC.	3,203,297	LE DUFF, ALAIN	LIEVOIS, JOHN	3,201,176
KT&G CORPORATION	3,202,435	LE GOFF, GERALDINE	LIEVOIS, TANNER	3,201,176
KUBES, PAUL	3,202,048	LE JEANNE, CECILE	LIGHT FIELD LAB, INC.	3,202,269
KUESTER, SCHEYLA	3,202,045	LE LOCH, CLEMENTINE	LILLIE, SHAWN	3,201,327
KULYK, SVITLANA	3,198,885	LEBESGUE, JULIE	LIM, HAE-JIN	3,202,172
KUMAKURA, SHINICHI	3,202,635	LEBLANC, THIERRY	LIM, HAE-JIN	3,202,317
KUMAR, BHAWESH	3,202,694	LEE, AH REUM	LIM, JAE-WON	3,202,172
KUMIAI CHEMICAL INDUSTRY CO., LTD.	3,203,671	LEE, BYOUNG-GU	LIM, JAE-WON	3,202,317
KUNGAS, RAINER	3,201,278	LEE, DO HYUN	LIM, YOONG WEARN	3,202,361
KUO, ALBERT	3,201,235	LEE, HEON JONG	LIMOGES, DAVID LIONEL	3,202,440
KUO, TZU-CHI	3,203,768	LEE, JAE-EUN	LIN, DAVID J.	3,201,263
KUROKAWA, TOSHIKI	3,203,177	LEE, JAE-EUN	LIN, JOE TY	3,203,758
KURP, RONALD D.	3,201,112	LEE, JE-JUN	LIN, KANG	3,201,238
KUVADIA, ZUBIN B.	3,202,498	LEE, JE-JUN	LIN, NAN-HORNG	3,202,151
KWS SAAT SE & CO. KGAA	3,201,361	LEE, JI YOON	LIN, SEN	3,203,380
KWS SAAT SE & CO. KGAA	3,202,093	LEE, JONG IL	LINDBO, JOHN	3,203,609
KYPRI, ELENA	3,202,038	LEE, JUN WOO	LINDER, MICHAEL	3,203,279
		LEE, KWAN-HEE	LINDSTROM, HENRIK	3,203,444
		LEE, KWAN-HEE	LINKE, THOMAS	3,203,570
		LEE, KWAN-HEE	LINXENS HOLDING	3,202,285
		LEE, KWAN-HEE	LIPOCOSM, LLC	3,203,745

## Index des demandes PCT entrant en phase nationale

LIU, CHUNQING	3,201,271	MADSEN, MATHIAS BOJE	3,202,540	MAZUNIN, DMITRY	3,203,282
LIU, DONGDONG	3,203,418	MAES, JUSTINE	3,201,324	MAZZA, ALBERTO	3,202,656
LIU, DONGDONG	3,203,502	MAIER, ANNA	3,203,275	MAZZUCATO, ROBERTA	3,202,134
LIU, DONGDONG	3,203,562	MAIER, ANNA	3,203,277	MCARTNEY, STEVE	3,202,475
LIU, HAIQING	3,203,639	MAIER, EBERHARD	3,202,576	MCCHESNEY, DARBY	3,203,298
LIU, HAISHAN	3,203,426	MAISONNEUVE, JONATHAN	3,203,755	MCCHESNEY, DARBY	3,203,453
LIU, JING	3,203,489	MAJOR, TIMOTHY	3,201,375	MCCHESNEY, DARBY	3,203,454
LIU, NIANSHENG	3,197,861	MAKHIJA, SURAJ	3,201,392	MCCLAY, JAMES	3,203,301
LIU, QIANYUN	3,203,564	MALEK, ANDRZEJ	3,202,692	MCCLAY, JAMES	3,203,303
LIU, SANG	3,202,251	MALHOTRA, ATUL	3,201,387	MCCONNELL, DANIEL	3,201,222
LIU, SHIJIE	3,202,334	MALIK, KULDEEP SINGH	3,203,666	MCCREA, JONATHAN	3,202,440
LIU, TUANFANG	3,202,463	MALIK, MANISH	3,203,666	MCEWAN, GREG	3,202,597
LIU, WANGSHENG	3,203,428	MALIZIA, BARRY	3,202,203	MCGEE, PERRY	3,202,398
LIU, YANG	3,202,573	MANDEVILLE, KEN	3,203,301	MCGILLIVRAY (LAURENCE), TRACEY MICHELE	3,203,632
LIU, ZENGHE	3,202,248	MANDEVILLE, KEN	3,203,303	MC GUIRE, ANDY	3,202,566
LIU, ZHENGJIAO	3,201,114	MANDEVILLE, KENNETH	3,203,581	MCINTOSH, CASEY	3,203,590
LOARTE, LUCIA BLANCO	3,203,287	MANI, JAN	3,203,450	MCKINNON, AUSTIN, J.	3,203,787
LOCATELLI, FRANCO	3,201,189	MANNKIND CORPORATION	3,201,551	MCKINSTYAN, KEVIN	3,201,365
LOGEL, VALERE	3,201,328	MANOCHA, MEHIKA	3,202,183	MEDHESION INC.	3,202,048
LOHMANN & RAUSCHER GMBH	3,202,433	MANSFIELD, COLIN	3,201,259	MEDICOVER BIOTECH LTD	3,202,038
LOIZIDES, CHARALAMPOS	3,202,038	MAO, WEN	3,201,125	MEDINCELL S.A.	3,201,323
LOMBARDI, NICHOLAS JAMES	3,203,761	MAO, YUAN	3,202,429	MEDTRONIC MINIMED, INC.	3,202,205
LONGO, VALTER D.	3,200,789	MARIBU, KENNETH	3,203,455	MEDTRONIC MINIMED, INC.	3,202,206
LOPEZ, JOHN	3,202,467	MARINETTI, ANGELA	3,203,656	MEDUS, DOMINIQUE	3,203,575
LORENZ, IVO C.	3,202,384	MARINI, CAMILLE	3,203,165	MEDUS, DOMINIQUE	3,203,576
LOU, YAN	3,202,355	MARKHAM, JOSEPH P.	3,202,684	MEDVEDEV, ANATOLY	3,203,768
LOVEDAY, PETER	3,202,174	MARMOLEJO, CYNTHIA	3,202,432	MEEUSSEN, FRANK	3,203,567
LOWE, ADAM	3,201,330	BERENICE	3,203,775	MEHTA, MANISH	3,202,142
LSI SOLUTIONS, INC.	3,202,273	MARTELL, JAMES D.	3,203,568	MEHTA, NAVEEN	3,202,397
LU, KAN	3,202,577	MARTELLETTI, ARIANNA	3,201,158	MEI, RIGUO	3,201,114
LU, SONGWEI	3,202,642	MARTIN, BRYAN ALLEN	3,202,047	MELACK, JOHN	3,201,316
LU, ZHAOHUA	3,203,487	MARTIN, KYLE	3,201,361	MEMORIAL SLOAN KETTERING CANCER CENTER	3,202,208
LU, ZHAOHUA	3,203,489	MARTIN-ORTIGOSA, SUSANA	3,202,426	MEMORIAL SLOAN KETTERING CANCER CENTER	3,202,384
LUCAS, LAURA H.	3,203,815	MARTINEZ PEREZ, CESAR	3,203,453	MENENDEZ SOTO DEL VALLE, ROBERTO	3,200,071
LUCAS, LAURA H.	3,203,818	EDUARDO	3,203,454	MENG, FANYING	3,203,644
LUDEWIG, FRANK	3,201,361	MARUTHAMUTHU, MURALI	3,201,542	MENNE, HUBERT	3,203,568
LUDWIG-MAXIMILIANS-UNIVERSITAT MUNCHEN	3,201,178	KANNAN	3,198,885	MERCHANT, SHREEMA MERCK SHARP & DOHME LLC	3,202,043
LUMENIS BE LTD	3,202,171	MARVELL, DAVID	3,202,178	MERGOUB, TAHAA	3,201,320
LUMENUITY, LLC	3,202,685	MARX, MATTHEW ARNOLD	3,203,793	MERTOGLU, MURAT	3,202,384
LUO, LIN	3,202,691	MARXSEN, ANTHONY	3,202,398	MERUS N.V.	3,202,123
LUO, LIN	3,202,692	LINTON	3,203,298	MERZEAU, JULIEN	3,202,204
LUQUE VERA, SERGIO	3,202,495	MASON, DAVE	3,202,271	MERZEAU, JULIEN	3,202,401
LUX, TIMM	3,201,207	MASTERCARD	3,202,274	MESOBLAST	3,201,181
LUXEMBOURG INSTITUTE OF HEALTH (LIH)	3,203,612	TECHNOLOGIES	3,202,314	INTERNATIONAL SARL	3,202,153
LV, SHIWEN	3,202,577	CANADA ULC	3,202,398	MESTEK, ANTON	3,202,186
LY, DAVID	3,203,470	MATERIALS AND MACHINES	3,202,274	MEYFROOT, STEPHANIE	3,202,256
MA, FEI	3,203,418	CORPORATION OF	3,202,278	MEYRATH, MAX MARC	3,203,612
MA, FEI	3,203,502	AMERICA	3,201,356	ROGER	3,202,471
MA, FEI	3,203,562	MATHERON, MURIEL	3,202,252	MEZA, ALBERT	3,203,649
MA, FEI	3,203,658	MATHERON, MURIEL	3,202,252	MIAH, MIZAN	3,203,380
MAASKANT, LIAM GILLIES	3,203,632	MATHOTAARACHCHI,	3,201,356	MIAS, LAURIE ANNE MARIE	3,203,174
MACDERMAID, CHRISTOPHER	3,203,278	MATHOTAARACHCHILA	3,202,252	MICHAELS, ANDREW STEIL	3,202,252
MACHOVEC, JEFF	3,202,349	GE SULANTHA	3,203,308	MICHEL, VALERIE	3,202,417
MACIAS ABRAHAM, CONSUELO MILAGRO	3,202,349	SANJEEWA	3,202,271	MIDDLEBURGH, SIMON	3,202,417
MACKENZIE-LIU, DAVID	3,202,603	MATHUR, SUCHET SARAN	3,203,808	MILIS, GAETAN	3,201,174
MACKENZIE-LIU, DAVID	3,203,456	MATONDO, MARIETTE	3,203,810	MILLA, JOSE DANIEL	3,203,466
MACNAMEE, KATHERINE	3,203,461	MATSUI, TAKASHI	3,202,663		
MADRID, CLEVER	3,203,474	MATSUSHITA, SAKI			
	3,202,186	MATSUSHITA, SAKI			
		MAZOR, IGAL			

## Index of PCT Applications Entering the National Phase

MILLER, BRENT	3,202,651	MUKHERJEE, BISWAROOP	3,201,359	NILSSON, ULF	3,203,618
MILLER, DALE CLAYTON	3,202,201	MULLER, AUDE	3,202,576	NIPPON CHEMIPHAR CO., LTD.	3,201,273
MILLER, GLENN A.	3,201,268	MULLER, MICHAEL	3,201,262	NIPPON SEIKI CO., LTD.	3,203,743
MILLER, GREG	3,201,327	MUNOZ, MARIA-DELFINA	3,202,271	NIPPON TELEGRAPH AND	
MILLET, ANTOINE	3,202,250	MUNOZ, MARIA-DELFINA	3,202,274	TELEPHONE	
MILLIGAN, JASON S.	3,203,775	MUNTHE, STEFAN	3,202,576	CORPORATION	3,203,610
MILLS, MAURICE	3,202,631	MURPHY, KYLE	3,202,159	NISHIDA, MOTOHIRO	3,203,614
MILLS, PHILIPPA	3,202,560	MURRAY, DANIEL JAMES	3,203,459	NISHIO, YUSUKE	3,201,180
MIN, GEON-WOO	3,202,172	MVRX, INC.	3,201,384	NIVERPLAST HOLDING B.V.	3,202,056
MIN, GEON-WOO	3,202,317	MVRX, INC.	3,201,390	NIXON, RYAN	3,203,761
MIN, RUI	3,202,183	MYDLAND, BRENT L.	3,202,425	NODA, ERIC JASON	3,203,459
MINAKER, JODY TYLER	3,201,240	NAGARAJAPPA, SHREYAS	3,202,183	NOGUEIRA, KEITH	3,202,205
MINARD, REBECCA	3,202,261	NAGEL, HENRIK	3,203,449	NOGUEIRA, KEITH G.	3,202,206
MINERAL EARTH SCIENCES LLC	3,202,321	NAGULESWARAN, NAGUL	3,202,504	NOKIA TECHNOLOGIES OY	3,202,283
MINTON, SAMUEL	3,202,449	NAHMIYACE, MICHAEL	3,202,189	NORBY, TOBIAS HOLT	3,201,278
MIRACLE, GREGORY SCOT	3,200,428	NAIK, VIVEK EKNATH	3,201,121	NORRIS, BRENT CARL	3,203,648
MIRACLE, GREGORY SCOT	3,200,430	NAKAJIMA, KAZUHIDE	3,203,610	NORTHSEA THERAPEUTICS	
MIRATI THERAPEUTICS, INC.	3,198,885	NAKAMURA, AKIHIKO	3,203,285	B.V.	3,201,254
MITIN, NATALIA	3,200,787	NAKAMURA, HITOSHI	3,202,444	NOTARI, MARCELLO	3,201,201
mitsubishi electric corporation	3,194,092	NAMJOSHI, OJAS	3,203,612	NOTARI, MARCELLO	3,201,206
mitsumoto, hiroyuki	3,203,743	NANDOH, KENJI	3,202,444	NOTARO, DOUGLAS	3,202,158
miyazaka, kozo	3,203,285	NANJING LEGEND BIOTECH CO., LTD.	3,203,603	NOVA CHEMICALS (INTERNATIONAL) S.A.	3,202,190
moebius therapeutics, llc	3,202,582	NANJING NOVLEAD BIOTECHNOLOGY CO., LTD.		NOVA PANGAEA TECHNOLOGIES (UK)	
modica, nicola	3,201,202	NANTDOU, ROMAIN	3,201,125	LIMITED	3,202,263
modine manufacturing company	3,203,590	NANTSOUND INC.	3,201,388	NOVARTIS AG	3,203,607
MOG, BRIAN J.	3,203,773	NAOS INSTITUTE OF LIFE SCIENCE	3,202,430	NOVIMETAPHARMA CO., LTD.	3,202,145
MOHAMED, ABDUL RAOOF	3,201,264	NAPLES, ANDREW	3,203,474	NUNNOLD, TYLER M.	3,202,443
MOHR, MANUEL	3,201,392	NARDOU, ROMAIN	3,203,642	NUOVO PIGNONE TECNOLOGIE - S.R.L.	3,202,455
MOINDROT, OLIVIER	3,203,464	NATIONAL UNIVERSITY OF SINGAPORE	3,202,229	NUTAKKI, SATISH B.	3,201,550
MOLBECH, ALLAN	3,203,565	NATOLI, SEAN N.	3,200,428	O'BRIEN, MEGAN LYNN	3,200,790
MOLECULAR PARTNERS AG	3,202,296	NATOLI, SEAN N.	3,200,430	O'DONOVAN, BRIAN D.	3,202,255
MOLECULAR PARTNERS AG	3,202,358	NAUJOK, JEFFREY	3,202,486	OAKES, BENJAMIN	3,201,392
MOLINARI, MATTEO	3,202,079	NCS MULTISTAGE INC.	3,201,203	OAKLAND UNIVERSITY	3,203,755
MOLONEY, PATRICK	3,202,179	NECTAR HEALTH SCIENCES INC.	3,201,232	OBARA, TAKASHI	3,203,800
MOLONEY, PATRICK	3,202,184	NEGRETE, ESTEVAN DANIEL	3,202,636	OBI PHARMA, INC.	3,203,644
MONGINOUX, PATRICIA	3,202,294	NEO, HAI LING HAZELINE	3,202,432	OCHEA AZZE, ROLANDO	3,202,603
MONNET, ANNE-FLORE	3,202,626	NEUROCENTRX PHARMA LTD.	3,202,522	ODEU, PASCAL	3,201,193
MONSANTO TECHNOLOGY LLC	3,203,752	NEVILLE, JASON	3,201,261	OELJESCHLAGER, JANE	3,203,275
MONTEITH, MICHAEL	3,202,267	NEW FRONTIER LABS, LLC	3,202,461	OELSCHLAGEL, JOACHIM	3,202,163
MONTENEGRO MELGAR, EDGAR ARMANDO	3,203,643	NGUYEN, JIMMY	3,203,567	OH, YOUNG SEOK	3,202,193
MOORE, RACHEL	3,203,577	NGUYEN, LAM	3,202,331	OJIDA, AKIO	3,203,614
MOORE, RACHEL	3,203,578	NICHOLS, DAVE	3,202,339	OJITO MAGAZ, EDUARDO	3,202,603
MORALES, ANDRES	3,203,782	NICHOLS, STEVE CHARLES	3,203,761	OKAMOTO, KEN	3,201,273
MORGAN, AL	3,202,514	NICOLETTI, SARAH	3,202,197	OKE, VICTOR T.	3,203,766
MORHAIN, CEDRIC	3,202,238	NICOVENTURES TRADING LIMITED	3,202,184	OKPARA, NNAWUIHE ASONYE	3,202,636
MORIN, YOANN	3,201,319	NICULESCU-DUVAZ, DAN	3,202,179	OKUYAMA, KEIICHIRO	3,203,285
MOROW, KAREN A.	3,202,451	NIDAY, TYLER	3,202,628	OLAPLEX, INC.	3,202,196
MORRIS, LIZA	3,203,761	NICOVENTURES TRADING LIMITED	3,202,181	OLAYIWOLA, BOLAJI	3,202,190
MORRIS, LOUIS RICK	3,202,052	NICOVENTURES TRADING LIMITED	3,202,184	OLIVIER, ELODIE	3,202,623
MORRISON, ANTHONY LINDSAY	3,201,239	AGERTOUG	3,202,379	OLLAT, MELANIE	3,203,686
MORRISON, JAMES	3,203,278	NIELEN, MORTEN	3,201,224	OLMSTEAD, DOUGLAS	
MORTON, LORI	3,202,629	NIESEN, MORTEN	3,202,628	EDWARD	3,200,790
MOTOROLA SOLUTIONS, INC.	3,200,793	NIELSEN, MORTEN	3,202,628	OLON S.P.A.	3,202,656
MOUSSY, ALAIN	3,201,259	NIUWENHUIS, GERRIT JAN	3,202,056	OLSBYE, UNNI	3,202,394
MOYES, PETER BARNES	3,202,472	NIKANG THERAPEUTICS,	3,202,355	ONTIVEROS, ADAM	3,202,155
MOYES, PETER BARNES	3,202,474	INC.	3,202,163	ONUMA, YOSUKE	3,203,815
MUELLER, PAUL JUSTIN	3,202,256	NILSEN, PAL JAHRE		ONUMA, YOSUKE	3,203,818
MUKAI, YOHEI	3,203,800			Ommen, ABRAHAM	3,202,314

## Index des demandes PCT entrant en phase nationale

OPEC REMEDIATION TECHNOLOGIES PTY LTD	3,201,239	PARK, HONG WOOK	3,203,479	PERSAK, STEVEN CARL	3,201,320
OPPERMANN, UDO	3,201,205	PARK, HYE RIM	3,203,481	PETERS-KIM, OLAF	3,201,223
OPUSHNYEV, IGOR	3,202,398	PARK, JONG-SIK	3,202,172	PETERSON, KRISTOFFER	3,203,618
ORLOVIC, MARIJA	3,202,432	PARK, JONG-SIK	3,202,317	PETERSON, NICHOLAS P.	3,202,591
ORME, ANASTASIA	3,202,311	PARK, PIL-KYU	3,202,172	PETIT, BERTRAND	3,202,028
OROSA VAZQUEZ, IVETTE	3,202,603	PARK, WON GI	3,202,057	PETRIE, RICH	3,202,514
ORRELL, MARTIN	3,202,282	PARKER, JULIAN	3,203,572	PEVARELLO, PAOLO	3,202,165
ORTHO-CLINICAL DIAGNOSTICS, INC.	3,203,751	PARTNER THERAPEUTICS, INC.	3,201,327	PFIZER INC.	3,201,115
OSBOURN, ANNE	3,202,311	PARVATHIKAR, SAMEER	3,202,300	PHARES, KENNETH ROBERT	3,202,061
OSCHMANN, BERND DIETER	3,201,181	PASCHALIS, ALEC	3,202,058	PHILIP, BRADLEY S.	3,201,346
OSCHMANN, BERND DIETER	3,201,210	PASQUA, ADELE ELISA	3,202,126	PHILPOTT, MARTIN	3,201,205
OSPEDALE PEDIATRICO BAMBINO GESU'	3,201,189	PASQUA, ADELE ELISA	3,202,134	PHIXEN SAS	3,201,395
OSTERLOH, BODO	3,202,160	PASQUA, ADELE ELISA	3,202,146	PHUAPRADIT, WANTANEE	3,199,850
OTANO TAMAYO, LAURA	3,200,071	PATEL, MANIT	3,202,149	PIANTA, ANNALISA	3,203,450
OTTO, JASON KARL	3,202,597	PATEL, SAMIT	3,202,043	PICKARD, CHRISTOPHER	
OU, ZHENGYAN	3,203,425	PATERSON, ALEXANDER JAMES	3,202,650	NEIL	3,202,449
OUAZZANI CHAHDI, JAMAL- EDDINE	3,203,656	PATERSON, ALEXANDER JAMES	3,201,248	PIERCE, STEPHANIE A.	3,202,331
OURS TECHNOLOGY, LLC	3,203,380	PATSALIS, PHILIPPOS	3,201,249	PIJPERS, SHAR MARGRIET	3,201,118
OWERS, RAYMOND	3,202,060	PATWARDHAN, NEERAJ	3,202,038	PINARD, EMMANUEL	3,203,282
OWKIN, INC.	3,203,165	NARENDRA	3,203,294	PINEDA MIJANGOS, WILSON GUILLERMO	3,203,643
OWKIN, INC.	3,203,464	PATWARDHAN, NEERAJ	3,203,295	PISCITELLI, FRANCESCO	3,202,165
OXFORD UNIVERSITY INNOVATION LIMITED	3,201,205	NARENDRA	3,203,457	PITARI, GIOVANNI MARIO	3,203,573
OXFORD UNIVERSITY INNOVATION LIMITED	3,202,270	PATWARDHAN, NEERAJ	3,203,628	PITARI, GIOVANNI MARIO	3,203,574
OXFORD UNIVERSITY INNOVATION LIMITED	3,202,619	NARENDRA	3,203,741	PLAGNOL, VINCENT YANN MARIE	3,203,577
OZDEN, ADNAN	3,202,682	PATWARDHAN, NEERAJ	3,203,784	PLANT BIOSCIENCE LIMITED	3,201,136
PACHECO VILLALOBOS, DAVID	3,201,361	NARENDRA	3,203,773	PLUMEAU, ROBERT JOSEPH	3,202,311
PACK, JERRY	3,202,175	PATWARDHAN, NEERAJ	3,202,389	PLYMATE, STEPHEN	3,202,628
PAHWA, DEEPAK	3,203,666	PAUL, SUMAN	3,202,152	PO, RICCARDO	3,202,058
PAHWA, VARUN	3,203,666	PAULIK, MARK	3,202,287	POINTART, CELINE	3,201,206
PALA, DANIELE	3,202,126	PAULSEN, JENS MARTIN	3,202,635	POINTART, CELINE	3,203,575
PALA, DANIELE	3,202,134	PAULSEN, JENS MARTIN	3,202,503	POIRIER, EMILIE BRIGITTE	3,203,576
PALA, DANIELE	3,202,146	PAULSEN, JENS MARTIN	3,202,325	PONNUSAMY, ANANDA S.	3,202,123
PALA, DANIELE	3,202,149	PAULY, DIANA	3,201,356	POPOOLA, OLAYIWOLA OLAMIPOSI	3,201,550
PALANGETIC, LJILJANA	3,202,044	PAUSLEY, MATTHEW	3,203,741	POPP, CHRISTOPHER M.	3,202,174
PALANIAPPAN, KRISHNAN KANNA	3,202,255	PAWAR, MAHESH VISHWAS	3,203,421	PORTMANN, ALOIS	3,203,740
PALMER, JAMES T.	3,202,151	PAWLUSKI, VINCENT EDMUND	3,203,773	PORTO GONZALEZ, DELIA ESTHER	3,202,124
PALONI, JUSTIN	3,202,196	PEARLMAN, ALEXANDER H.	3,201,262	POSCO CO., LTD	3,202,603
PALUMBO, GINO	3,202,440	PEARSON, ALASTAIR SCOTT	3,203,788	POUPONNEAU, PIERRE	3,202,480
PAN, JUSTIN	3,202,142	PEETERS, MARC	3,202,319	POURTAHERI, PAYAM	3,202,276
PAN, YI	3,201,114	PELLEGRINA, ALAIN	3,202,454	POURTAHERI, PAYAM	3,202,438
PANANDIKER, RAJAN KESHAV	3,200,428	PELLEGRINA, ALAIN	3,202,573	POUTANEN, TOMI JOHAN	3,202,447
PANANDIKER, RAJAN KESHAV	3,200,430	PENG, JIANBIAO	3,197,861	POWELL, COLIN	3,202,469
PANCERA, MARIE	3,202,566	PENG, YUXING	3,202,282	POWERCELL SWEDEN AB	3,202,621
PANHOLZL, CHRISTOPHER	3,202,433	PENTON ROL, GISELLE	3,200,071	POWERS, ALAN	3,202,576
PANICUCCI, RICCARDO	3,202,267	PERDIGAO DE OLIVEIRA, GUILHERME CHERMAN	3,203,456	POWERS, MICHAEL W.	3,202,334
PANOWSKI, SILER	3,201,115	PERDIGAO DE OLIVEIRA, GUILHERME CHERMAN	3,203,461	PPG INDUSTRIES OHIO, INC.	3,202,183
PAPADOPoulos, NICKOLAS	3,201,235	PEREZ CATALAN, JULIO	3,203,568	PPG INDUSTRIES OHIO, INC.	3,202,451
PAPADOPoulos, NICKOLAS	3,203,773	PEREZ PERERA, RAFAELA	3,200,071	PPG INDUSTRIES OHIO, INC.	3,202,638
PAPAPETROPOULOS, SPYRIDON	3,203,783	PEREZ PLANAS, MIGUEL	3,201,056	PRECISION NANOSYSTEMS ULC	3,202,642
PAPE, SIMON	3,202,648	FRANCISCO	3,201,377	PRENTICE, JESSICA	3,203,595
PAPPAS, DANIEL	3,203,280	PERKINS, RUSSELL WAYNE	3,203,768	PRESTA, LEONARD	3,202,331
PARDOLL, ANDREW M.	3,203,773	PERRONI, DOMINIC	3,203,768	PRETZ, MATTHEW T.	3,202,471
				PRETZ, MATTHEW T.	3,202,487

## Index of PCT Applications Entering the National Phase

PRETZ, MATTHEW T.	3,202,491	RAYTHEON BBN TECHNOLOGIES, CORP.	3,203,454	RICAUD, SANDRINE	3,202,319
PRETZ, MATTHEW T.	3,202,492	READ, EMMANUELLE	3,202,439	RICAUD, SANDRINE	3,202,454
PRETZ, MATTHEW T.	3,202,691	REASON	3,203,456	RICCI, ANTONIO	3,203,282
PREVOST, SYLVAIN JACQUES	3,202,168	REASON, .	3,203,461	RICHARDSON, RON	3,202,148
PREVOST, SYLVAIN JACQUES	3,202,173	REBER, VERA	3,203,450	RICHARDSON, WILLIAM	3,203,247
PRICE, CHRIS	3,203,301	REBIEN, SVEN	3,200,793	RICHICHI, BARBARA	3,202,047
PRICE, CHRIS	3,203,303	REDWOOD MATERIALS, INC.	3,202,084	RIDILLA, MARC	3,203,456
PRIERO, MARCO	3,202,553	REED, COREY D.	3,202,148	RIDILLA, MARC	3,203,461
PRIETO, PAOLA CALVACHI	3,203,589	REED, JAMES	3,202,311	RIELLO, PIETRO	3,201,202
PRONK, MARIO	3,202,046	REED, WYATT A.	3,203,297	RILEY, IAN JAMES	3,202,347
PROTZKO, RYAN	3,202,406	REEKIE, TRISTAN	3,201,546	RINGEL, ANTON	3,202,576
PROULX, MARSHALL KEITH	3,202,282	REGENERON		RINGK, ANDREAS	3,202,576
PROVE IDENTITY, INC.	3,202,486	PHARMACEUTICALS, INC.		RIP CURRENT SPORTS, LLC	3,200,792
PROVINS, LAURENT	3,203,281	REGENERON	3,202,197	RISI, MIRCO	3,202,144
PUAUD, APOLLINE	3,202,271	PHARMACEUTICALS, INC.		RITRAMA S.P.A.	3,202,630
PUAUD, APOLLINE	3,202,274	REGENERON		RIVERA MARRERO, SUCHITIL	3,200,071
PUODZIUKYNAITE, EGLE	3,202,638	PHARMACEUTICALS, INC.	3,202,325	RIVEROS-MCKAY, FERNANDO	3,203,577
PURAC BIOCHEM B.V.	3,202,432	REGENERON		RO, HYUN WOOK	3,202,451
PURDUE RESEARCH FOUNDATION	3,203,298	PHARMACEUTICALS, INC.	3,202,429	ROACH, MATTHEW STEVEN	3,203,815
PURDUE RESEARCH FOUNDATION	3,203,453	REGENERON		ROACH, MATTHEW STEVEN	3,203,818
PURDUE RESEARCH FOUNDATION	3,203,454	PHARMACEUTICALS, INC.		ROBBINS, SEANN	3,203,738
QED THERAPEUTICS, INC.	3,202,267	REHMAN, ABDUL	3,202,629	ROBERT BOSCH GMBH	3,202,576
QI, TIANYANG	3,203,644	REICH, SCOTT	3,202,477	ROBERTI, DELPHINE	3,201,174
QI, XIAO	3,203,426	REICHEN, CHRISTIAN	3,202,202	ROBERTS, MALCOLM IAN	3,203,800
QU, HONGCHANG	3,201,167	REID, RACHEL	3,202,296	ROBERTS, MARK	3,202,324
QUIJANO, ELIAS	3,203,778	REILLY, CARMEL	3,203,798	ROBERTSON, IAN D.	3,201,267
QUINTARELLI, CONCETTA	3,201,189	REINERTSEN, THOMAS	3,202,185	RODEHEAVER, AUSTIN XAVIER	3,202,282
RADMAN, MIROSLAV	3,202,430	REINHARDT, ANDREW M.	3,203,740	RODRIGUEZ ACOSTA, MIREIDA	3,202,603
RAFIQUE, ASHIQUE	3,202,629	REISTONE BIOPHARMA COMPANY LIMITED	3,202,251	RODRIGUEZ, CHRISTOPHER MICHAEL	3,203,758
RAHDERT, DAVID A.	3,201,384	REITERMANN, MICHAEL	3,203,308	RODRIGUEZ-TANTY, CHRYSLAINE	3,200,071
RAHDERT, DAVID A.	3,201,390	RELIEVANT MEDSYSTEMS, INC.		ROEGEN CO., LTD.	3,202,185
RAINA, ISHAN	3,203,580	REN, FANG	3,202,650	REMUS, RICARDO	3,202,267
RAIRIGH, JAMES G.	3,203,289	REMEDY BIOTECHNOLOGIES, INC.		RENEDO ANGLADA, JAIME	3,201,267
RALPH, JAMES M.	3,203,555	REPAIR BIOTECHNOLOGIES, INC.	3,203,564	REPAIR BIOTECHNOLOGIES, INC.	3,202,689
RAMAZZINI SANTOS, HECTOR RONALDO	3,203,643	REPAIR BIOTECHNOLOGIES, INC.	3,202,460	REPAIR BIOTECHNOLOGIES, INC.	3,202,690
RAMEZANI, SEPEHR	3,202,342	REN, FANG	3,203,456	ROLJIC, MILIJANA	3,202,433
RAMIREZ, CHISTRINA	3,203,661	RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL	3,203,585	ROMAGOSA CALATAYUD, PAU	3,201,056
RAMKARANSINGH, JEFFREY RAJESH	3,202,050	RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL	3,203,461	ROMANO, JOSEPH J.	3,201,152
RANCATI, FABIO	3,202,126	RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL	3,202,296	ROMANO, NICOLAS	3,201,324
RANCATI, FABIO	3,202,134	RESCHKE, NINA		ROMENESKO, CHARLES J.	3,203,305
RANCATI, FABIO	3,202,146	RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL		RONDEPIERRE, ALEXANDRE	3,202,625
RANCATI, FABIO	3,202,149	RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL	3,203,585	ROONEY, MICHAEL STEVEN	3,202,176
RANDELL, SARANTIS LOGOTHETIS	3,202,027	RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL	3,203,748	ROSS, CAROLINE JANE	3,202,382
RANE, MARK CARLSON	3,203,761	RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL		ROSS, JEFFREY V.	3,201,183
RAPID POWER INDUSTRIES	3,202,324	RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL	3,203,748	ROSS, THORSTEN	3,202,648
RASHNONEJAD, AFROOZ	3,203,585	RESEARCH TRIANGLE INSTITUTE (RTI INTERNATIONAL)	3,203,612	ROTOJAR INNOVATIONS LIMITED	3,202,472
RASMUSSEN, HENRIK WOLTERS	3,202,540	RESEARCH TRIANGLE INSTITUTE, INTERNATIONAL		ROTOJAR INNOVATIONS LIMITED	3,202,474
RASS-HANSEN, JEPPE	3,201,278	RESEARCH TRIANGLE INSTITUTE, INTERNATIONAL	3,202,300	ROUCHAUSSIE, YANN	3,202,625
RAT, PATRICE	3,202,623	RESSEL, JOERG	3,201,198	ROUINDEJ, KAMYAR	3,202,053
RATHNIAH, GOVARDHAN	3,202,314	REUTER, DAVID CARNELL	3,203,766	ROUSSELEAU, DAMIEN	3,201,193
RATSCHINSKI, ARNO	3,203,568	REUTER, MARKUS ANDREAS	3,201,207	ROVI GUIDES, INC.	3,203,306
RAU, GREGORY HUDSON	3,201,136	REVOLUTION MEDICINES, INC.	3,202,424	ROVI GUIDES, INC.	3,203,470
RAYTHEON BBN TECHNOLOGIES, CORP.	3,203,298	REZATEC LIMITED	3,201,127	ROY, AMITABHA	3,185,202
RAYTHEON BBN TECHNOLOGIES, CORP.	3,203,453	RHOUDA, EL MOSTAFA	3,199,431	RUDELSON, JACOB LEV RUF, SVEN	3,203,758

## Index des demandes PCT entrant en phase nationale

RUSH, BENJAMIN	3,203,280	SASAKAWA, MITSUHIRO	3,202,475	SHAN, MINGDE	3,203,177
RUSSO, PIETRO	3,200,793	SASU, BARBRA JOHNSON	3,201,115	SHANGHAI FUDAN-	
RUSSO, VENERA	3,203,573	SAUER, JUDE S.	3,202,273	ZHANGJIANG BIO-	
RUSSO, VENERA	3,203,574	SAUNDERS, JAY T. II	3,202,084	PHARMACEUTICAL CO.,	
RUSTINE, TIMOTHY	3,203,738	SAWADA, TOMOYA	3,194,092	LTD.	3,202,303
RUSU, AI	3,203,620	SCANSHIP AS	3,202,163	SHANGHAI JEMINCARE	
RUSU, AI	3,203,808	SCHAFFER, DAVID L.	3,201,233	PHARMACEUTICAL CO.,	
RUSU, AI	3,203,810	SCHAFF, ANTHONY		LTD.	3,202,573
RYAN, ANTHONY	3,203,455	LAWRENCE	3,201,377	SHANGHAI SHANSHAN TECH	
RYU, DUK-HYUN	3,202,172	SCHAFFER, AMBROSE	3,202,631	CO., LTD.	3,203,418
RYU, DUK-HYUN	3,202,317	SCHECTER, JORDAN MARK	3,203,603	SHANGHAI SHANSHAN TECH	
RZNOMICS INC.	3,203,481	SCHIELE, JEREMY A.	3,202,273	CO., LTD.	3,203,502
SABIC GLOBAL TECHNOLOGIES B.V.	3,201,343	SCHIESSEN, STEFAN	3,203,569	SHANGHAI SHANSHAN TECH	
SABLON CARRAZANA, MARQUIZA		SCHILLER, CARSTEN	3,201,374	CO., LTD.	3,203,562
SACHDEV, RAJAN	3,200,071	SCHIPALI, STEFANIE	3,202,433	SHANGHAI SHANSHAN TECH	
SACHDEVA, KAPIL	3,203,666	SCHLERETH, BERND	3,202,296	CO., LTD.	3,203,658
SACHDEVA, KAPIL	3,202,168	SCHLUMBERGER CANADA LIMITED	3,202,358	SHAO, JIPING	3,202,642
SACKSTEIN, ROBERT	3,202,173	SCHLUMBERGER CANADA	3,203,603	SHAO, SHIJIA	3,203,487
SADA, MARA	3,202,047	SCHLUMBERGER CANADA	3,202,273	SHAPIRO, AARON J.	3,202,042
SAFRAN ELECTRONICS & DEFENSE	3,202,656	SCHLUMBERGER CANADA	3,203,580	SHAPIRO, BENJAMIN	3,202,685
SAGAE, YUTO	3,202,189	SCHLUMBERGER CANADA	3,203,768	SHARMA, DIVYA	3,202,628
SAGO, CORY DANE	3,203,610	SCHLUMBERGER CANADA	3,203,770	SHARMA, PARVESH	3,202,467
SAGO, CORY DANE	3,203,294	SCHLUMBERGER CANADA	3,203,770	SHARMA, PARVESH	3,202,475
SAGO, CORY DANE	3,203,295	SCHNEIDER, CAROLIN	3,203,781	SHARP, ADAM	3,202,058
SAGO, CORY DANE	3,203,457	SCHNEIDER, STEPHEN P.	3,203,279	SHARPE, ANDREW	3,202,250
SAGO, CORY DANE	3,203,628	SCHNEIDER, STEPHEN P.	3,202,147	SHASHILOV, VICTOR	3,202,197
SAGO, CORY DANE	3,203,741	SCHOFIELD, CHRISTOPHER	3,202,591	SHAW, DONALD F.	3,202,471
SAGO, CORY DANE	3,203,742	SCHOOL JURIDICAL PERSON	3,202,058	SHAW, DONALD F.	3,202,487
SAGO, CORY DANE	3,203,784	HIGASHI-NIPPON-GAKUEN	3,203,741	SHAW, DONALD F.	3,202,491
SAINT-GOBAIN CERAMICS & PLASTICS, INC.	3,203,555	SCHOTZIGK, PAUL	3,201,273	SHAW, DONALD F.	3,202,492
SAITO, MASATO	3,203,284	SCHUFFLER, PETER J.	3,203,651	SHEHATA, MINA FAZZY	3,203,294
SAJWAJ, TODD	3,201,127	SCHULZE, ISABELL	3,202,208	SHEHATA, MINA FAZZY	3,203,295
SAKURU, MANIKANTH	3,203,649	SCHUMACHER, DOMINIK	3,202,384	SHEHATA, MINA FAZZY	3,203,741
SALIN, FRANCOIS	3,202,164	SCIENTIFIC 710, LLC	3,201,178	SHEHATA, MINA FAZZY	3,203,784
SALM, JACOB ANDREW	3,201,261	SCIPPA, ANTONIO	3,201,543	SHELKE, NAMDEV B.	3,199,850
SAMARNEH, JOSEPH	3,201,222	SCOTT, ADAM DAVID	3,202,455	SHELL INTERNATIONALE	
SAMMLER, ROBERT L.	3,203,768	SCRIBE THERAPEUTICS INC.	3,203,752	RESEARCH	
SANCHEZ RAMIREZ, BELINDA		SCUDERI, SIMON	3,201,392	MAATSCHAPPIJ B.V.	3,203,648
SANCHO MARZO, ALBERTO JOSE	3,202,603	SCUDERI, VALENTIN	3,202,457	SHELL INTERNATIONALE	
SANDHU, SAVREET KAUR	3,202,495	SEAGEN INC.	3,202,457	RESEARCH	
SANDOVAL, FERMIN ALEJANDRO	3,202,361	SEB S.A.	3,203,777	MAATSCHAPPIJ B.V.	3,203,759
SANDOVAL, FERMIN ALEJANDRO	3,202,471	SEBASTIAN, ANDRIES DON	3,201,319	SHELL INTERNATIONALE	
SANDOVAL, FERMIN ALEJANDRO	3,202,487	SECRIEST, BRIAN	3,203,757	RESEARCH	
SANDOVAL, FERMIN ALEJANDRO	3,202,491	SEIDERS, ROY JOSEPH	3,202,651	MAATSCHAPPIJ BV	3,203,286
SANDVIK MINING AND CONSTRUCTION OY	3,202,492	SEILER, THOMAS	3,203,761	SHELL INTERNATIONALE	
SANIGEPALLI, PRAVEEN KUMAR	3,202,195	SEKI, YOHEI	3,203,596	RESEARCH	
SANOFI	3,199,431	SEMPERIT AG HOLDING	3,203,285	MAATSCHAPPIJ BV	3,203,460
SANSON, JEROME	3,202,256	SEO, HAN SOL	3,201,110	SHELTAMI, KHALID RAHIL	3,201,343
SAPERE BIO, INC.	3,202,285	SEO, JANG WON	3,202,055	SHEN, CHENG	3,202,695
SARGENT, EDWARD	3,200,787	SERBOLISCA, LUCA	3,202,435	SHEN, GANG	3,197,861
SARSANEDAS GIMPERA, MARC	3,202,682	SERBOLISCA, LUCA	3,201,201	SHEN, YIJUN	3,202,303
SASAKAWA, MITSUHIRO	3,201,056	SEVILLE, JORDAN	3,201,206	SHEN, YUELIN	3,203,781
	3,202,467	SEVILLE, JORDAN	3,203,298	SHENZHEN COTRAN NEW MATERIAL CO., LTD	3,201,243
		SEVILLE, JORDAN	3,203,453	SHENZHEN ELGATE	
		SHAH, NAVNIT H.	3,203,454	TECHNOLOGY CO., LTD.	3,202,463
		SHAHEEN INNOVATIONS HOLDING LIMITED	3,199,850	SHENZHEN MICROBT ELECTRONICS	
		SHAKEEL, AMEER HAMZA	3,202,349	TECHNOLOGY CO., LTD.	3,202,290
		SHAKEEL, AMEER HAMZA	3,202,438	SHEPPARD, JEFF	3,203,596
		SHAKESPEARE, WILLIAM C.	3,202,447	SHI, FENG	3,203,815
		SHAN, JACQUELINE J.	3,202,516	SHI, FENG	3,203,818
			3,202,289	SHI, FENG	

## Index of PCT Applications Entering the National Phase

SHI, WENQIANG	3,202,573	SOREGI, PETRA	3,202,169	SUMITOMO CHEMICAL COMPANY, LIMITED	3,203,801
SHIELS, PAUL	3,202,597	SORENSEN, MORTEN	3,203,749	SUMITOMO CHEMICAL COMPANY, LIMITED	3,203,804
SHIM, THOMAS K.	3,201,269	DRAEBY	3,201,056	SUMITOMO CHEMICAL COMPANY, LIMITED	3,203,804
SHIM, THOMAS K.	3,201,270	SOTO HERNANDEZ, MARC	3,203,787	SUMITOMO CHEMICAL COMPANY, LIMITED	3,203,806
SHIM, THOMAS K.	3,202,501	SPATARO, JOE	3,201,305	SUMITOMO CHEMICAL COMPANY, LIMITED	3,203,806
SHIM, TOM K.	3,202,502	SPEE, DIEDERICK ADRIANUS	3,202,151	SUMITOMO CHEMICAL COMPANY, LIMITED	3,203,808
SHIN, JEONGYIM	3,202,287	SPERANDIO, DAVID	3,202,361	SUMITOMO CHEMICAL COMPANY, LIMITED	3,203,808
SHORELINE BIOSCIENCES, INC.	3,199,435	SPINDLER, MATTHEW JAMES	3,201,262	SUMITOMO CHEMICAL COMPANY, LIMITED	3,203,810
SHUKLA, AVIRAL	3,203,752	SPM OIL & GAS INC.	3,203,474	SUNDBERG, PIA	3,202,195
SICILIANO, JOHN	3,202,443	SPOHN, MICHAEL	3,202,229	SUNILA, KARRI	3,203,283
SIDORE, ANGUS	3,201,392	SPOLON MARANGONI, VALERIA	3,201,224	SUNLEY, JOHN GLENN	3,201,249
SIEMENS ENERGY GLOBAL GMBH & CO. KG	3,203,591	SPRINGER, CAROLINE	3,203,778	SURCOS IMPACT	3,202,207
SIEMENS ENERGY GLOBAL GMBH & CO. KG	3,203,594	QUINTO, STEPHEN	3,201,123	SUTCLIFFE, JULIE L.	3,203,175
SIEMENS MOBILITY AUSTRIA GMBH	3,202,156	SRINIVASAN, SUNDAR	3,202,389	SUUL, MARTIN	3,202,185
SIEMENS MOBILITY GMBH	3,202,160	SRIVASTAVA, VED P.	3,202,477	SUZUKI, HIROAKI	3,203,626
SILCOCK, ALAN JAMES	3,202,250	SSIMWAVE INC.	3,201,392	SWARTZ, JACOB	3,202,155
SIMANZHENKOV, VASILY	3,202,190	STAABL, BRETT T.	3,203,800	SWISSPOD TECHNOLOGIES	
SIMEX ENGINEERING S.R.L.	3,202,144	STADDON, JAMES MARTIN	3,202,629	SA	3,202,460
SIMMONS, J. HUNTER	3,201,225	STAHL, NEIL	3,202,566	SWYGERT, BARRETT	3,201,365
SIMMONS, SEAN	3,203,782	STAMATOTOS, LEONIDAS	3,202,681	SYLVESTER, KEVIN THOMAS	3,202,638
SIMONS, JAN FREDRIK	3,202,361	STAMP FREE LIMITED	3,202,131	SYNETRONICS BAUGRUPPEN	
SINGH, DIPTI	3,203,768	STARK, STEPHEN	3,203,748	AG	3,203,659
SINTON, DAVID	3,202,682	STAVROU, MARINA	3,202,177	SYNTENY THERAPEUTICS, INC.	3,202,459
SINTORN, ERIK	3,203,482	STAYBLE THERAPEUTICS AB	3,202,692	SYPUT, RICHARD F.	3,202,638
SIO2 MEDICAL PRODUCTS, INC.	3,202,686	STEARS, BRIEN (DECEASED)	3,202,638	SYSTEMATICS LIMITED	3,202,060
SKIPPER, DORIAN	3,203,591	STEINER, MARK-STEVEN	3,202,503	TABER, TODD	3,202,282
SKORB, LAUREN	3,201,375	STELZER, GERNOT	3,203,598	SZAKOWSKA, MARTYNA	3,203,612
SKRINER, KARL	3,202,259	STELZER, GERNOT	3,203,599	SZYMANSKI, ALEKSANDER	3,202,687
SMARTPAK EQUINE LLC	3,202,261	STENSTROM, PER	3,201,346	SZYMANSKI, THOMAS	3,203,555
SMITH, BRIAN	3,199,431	STEVENS, CHRISTOPHER SCOTT	3,202,443	TJOLLYN, HUYBRECHT	3,203,448
SMITH, CHRISTOPHER RONALD	3,198,885	STEVENS, J. TRAVIS	3,201,191	TJOLLYN, HUYBRECHT	3,203,566
SMITH, DANIEL	3,199,431	STIBBARD, MITCHELL R.	3,202,451	TABER, TODD	3,202,282
SMITH, GRADY	3,203,583	STICHTING WAGENINGEN	3,201,191	TAKAHASHI, YOSHINORI	3,201,113
SMITH, REGINALD	3,202,197	RESEARCH	3,201,361	TAKETANI, IKI	3,201,136
SMITH, ZACHARY D.	3,201,263	STIERL, REINHARD	3,202,414	TAKETANI, IKI	3,203,804
SMITS, EVELIEN	3,203,788	STOFFEL, BEAT	3,201,149	TAMMINEN, PEKKA	3,203,806
SMS GROUP GMBH	3,201,207	STOLARZ, ALEX	3,202,694	TAN, CINDY	3,202,195
SNF GROUP	3,202,439	STONE, DAVID ALFRED	3,202,638	TAN, NGUYEN	3,203,652
SOCOVAR, SOCIETE EN COMMANDITE	3,202,045	STOPFER, LAUREN	3,202,638	TANAKA, TAKUYA	3,201,115
SODANO, MARIANGELA	3,202,165	ELIZABETH	3,202,176	TANG, CHENG CAI	3,203,801
SOLA BIOSCIENCES LLC	3,199,433	STRAUBEL, JEFFREY B.	3,202,084	TANIA, SHINKI	3,203,671
SOLAFIX SA	3,202,457	STREEPER, ROBERT T.	3,202,461	TANNAS, STEVEN	3,202,570
SOLAR TURBINES INCORPORATED	3,202,636	STRONG, LAWRENCE	3,202,261	TANZLER, JANINA	3,202,444
SOLBERG, MIKAEL	3,202,258	STROUGH, GARRETT	3,203,456	TAYLOR, JEFFREY C.	3,203,279
SOLHEIM, ODD EGIL	3,202,163	STROUGH, GARRETT	3,203,461	TDS MANAGEMENT ZIMBA, LLC	3,202,148
SOLYPLUS GMBH	3,202,259	STRYKER EUROPEAN	3,203,598	TEBO, GLENN J.	3,203,661
SOMAPALLI, MURALI	3,203,649	OPERATIONS LIMITED	3,202,599	TEIJIN PHARMA LIMITED	3,202,570
SON, EUN YEONG	3,203,477	STUDT, NICHOLAS K.	3,202,599	TELLI, MELINDA	3,202,444
SONDERN, ULRICH	3,203,279	SU, HUNG-YUAN	3,202,597	TERADA, KENJI	3,203,814
SONG, BIN	3,201,243	SUBTL BEAUTY	3,202,597	TERSTIEGE, INA	3,203,626
SONG, MIN KYUNG	3,203,477	SUCHAN, MICHAEL	3,202,591	THAI, LINDA	3,203,569
SONG, ZHUONAN	3,202,131	SUCHSLAND, JENS-PETER	3,203,796	THAKKER, PRIYESH	3,203,459
SONNE, KIM	3,202,157	SULLIVAN, DAVID JEFFREY	3,203,798	THALES	3,202,540
SONOCRETE GMBH	3,203,651	SULLIVAN, DEREK G.	3,201,374	THALES	3,202,319
SOODEEN, MARK	3,203,334	SUMITOMO CHEMICAL	3,202,576	THALES	3,202,454
SOOS, TIBOR	3,202,169	COMPANY, LIMITED	3,202,190	THALES	3,202,620
			3,203,761	THALES	3,202,625
			3,203,620	THANOS, CHRISTOPHER	3,202,687
			3,203,620	THAURE, THIERRY	3,202,182

## Index des demandes PCT entrant en phase nationale

THAYER, NICHOLAS	3,203,310	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE	3,202,140	TYEBJEE, SHIRYN	3,202,451
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS	3,202,583	THE UNIVERSITY OF TOKYO	3,201,273	TYRPA, MIROSLAV	3,203,604
THE BRIGHAM AND WOMEN'S HOSPITAL, INC.	3,203,589	THEMIS S.R.L.	3,202,079	UBER TECHNOLOGIES, INC.	3,202,138
THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD	3,202,058	THESEUS PHARMACEUTICALS, INC.	3,202,516	UBEYRATNE, HIMANSI	
THE CYPRUS INSTITUTE OF NEUROLOGY AND GENETICS	3,203,748	THOLFSEN, DAVID R.	3,201,384	SHAMILKA	3,202,154
THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES	3,202,047	THOLFSEN, DAVID R.	3,201,390	UCB BIOPHARMA SRL	3,203,281
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO		THOMPSON, MATTHEW J.	3,203,555	UCL BUSINESS LTD	3,202,560
THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL	3,202,058	THOMSON, CRAIG	3,201,542	UHLENBRUCK, THOMAS	
THE JOHNS HOPKINS UNIVERSITY	3,201,235	THOREL, JEAN-NOEL	3,202,430	FARNHAM	3,201,121
THE JOHNS HOPKINS UNIVERSITY	3,203,642	THORNBURGH, ANTHONY L.	3,202,425	ULITSKY, IGOR	3,202,382
THE JOHNS HOPKINS UNIVERSITY	3,203,773	THORWID, PETER	3,201,187	UMICORE	3,202,152
THE PROCTER & GAMBLE COMPANY	3,200,428	THRIVE TECHNOLOGIES, INC.	3,202,052	UMICORE	3,202,287
THE PROCTER & GAMBLE COMPANY	3,200,430	TIMM, EDWARD J.	3,202,582	UNGASHE, SOLOMON B.	3,202,635
THE PROCTER & GAMBLE COMPANY	3,201,116	TIRONE, JAMES	3,203,474	UNGUREANU, IOANA, MARIA	3,202,151
THE PROCTER & GAMBLE COMPANY	3,201,117	TIX, JOSEPH E.	3,202,147	UNGUREANU, IOANA, MARIA	3,203,815
THE PROCTER & GAMBLE COMPANY	3,201,151	TIX, JOSEPH E.	3,202,591	UNILEVER IP HOLDINGS B.V.	3,203,818
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,203,175	TMRW LIFE SCIENCES, INC.	3,202,347	UNITED PARCEL SERVICE OF AMERICA, INC.	3,201,118
THE TORONTO-DOMINION BANK	3,202,469	TMTP LABS, INC.	3,203,738	UNITED PARCEL SERVICE OF AMERICA, INC.	3,201,375
THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	3,202,513	TOKAMAK ENERGY LTD	3,201,246	UNITED THERAPEUTICS CORPORATION	3,202,061
THE UAB RESEARCH FOUNDATION	3,203,782	TOKAMAK ENERGY LTD	3,202,417	UNIVERSITAET REGensburg	3,202,503
THE ULTIMATE BATTERY COMPANY LTD	3,202,293	TOMANTSCHGER, KLAUS	3,202,440	UNIVERSITAIR ZIEKENHUIS ANTWERPEN	3,203,788
THE UNITED STATES GOVERNMENT REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS	3,202,058	TOMASETTI, CRISTIAN	3,201,235	UNIVERSITATSKLINIKUM JENA	3,202,200
		TOMIYAMA, HIROSHI	3,203,285	UNIVERSITE DE VERSAILLES SAINT-QUENTIN-EN-YVELINES	
		TOPORS, MOURAD	3,203,456	UNIVERSITE PARIS CITE	3,202,252
		TOPORS, MOURAD	3,203,461	UNIVERSITEIT ANTWERPEN	3,202,623
		TOPSOE A/S	3,201,278	UNIVERSITEIT UTRECHT HOLDING B.V.	3,203,788
		TOPSOE A/S	3,202,540	UNIVERSITETET I OSLO	3,202,394
		TORINO, DOMENICA	3,202,165	UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.	3,202,342
		TORIZU, TAISUKE	3,203,284	UNIVERSITY OF COPENHAGEN	3,202,379
		TORPY, KEITH	3,202,346	UNIVERSITY OF FLORENCE	3,202,047
		TORT, FREDERIC	3,202,081	UNIVERSITY OF MONTANA	3,202,423
		TOTALENERGIES ONE TECH	3,202,081	UNIVERSITY OF NEWCASTLE UPON TYNE	
		TOUATI, ELIETTE CAMILLE	3,202,682	UNIVERSITY OF NEWCASTLE UPON TYNE	3,202,194
		TRAMEL, ERIC	3,202,252	UNIVERSITY OF SOUTHERN CALIFORNIA	3,202,199
		TRAPP, ALEXANDER	3,203,165	UNIVERSITY OF WASHINGTON	3,200,789
		TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE, INC.	3,202,160	UOP LLC	3,202,058
		TROESCHER, ARNULF	3,202,384	UPASANI, RAVINDRA	3,202,171
		TROUSSELLE, RAPHAEL	3,203,605	UROGEN PHARMA LTD.	3,202,151
		TRUMER SCHUTZBAUTEN GES.M.B.H	3,202,387	VAKA, SIVA RAM KIRAN	3,202,129
		TRUMER SCHUTZBAUTEN GES.M.B.H	3,203,598	VAL-CHUM, LIMITED	3,199,850
		TRUSTEES OF TUFTS COLLEGE	3,203,599	PARTNERSHIP	3,202,566
		TSANGARAS, KYRIAKOS	3,203,588	VALDES BALBIN, YURY	3,202,603
		TSAO, CHENG-SHANG	3,202,038	VALENT BIOSCIENCES LLC	3,202,467
		TSE, KAREN KA-YEN	3,203,796	VALENT BIOSCIENCES LLC	3,202,475
		TSIPORI, OMER	3,202,250	VALENTINE, SHAUN	3,202,155
		TU THERAPEUTICS INC.	3,201,129	VALLI, MATTEO	3,202,656
		TUCKER, MARK A.	3,202,532		
		TULIP, THOMAS	3,202,451		
		TUMBER, ANTHONY	3,203,308		
		TURNER, BRUCE	3,202,058		
		TURNER, JAMES RANDALL	3,203,778		
			3,202,346		

## Index of PCT Applications Entering the National Phase

VAN ADRICHEM, PAULUS JACOBUS MARIA	3,203,662	VOLKOVS, MAKSIMS VOOTUKURI, REDDY SREEKANTH	3,202,469 3,202,560	WATTCH FITNESS INC. WATTON, JAMES WAYLAND ADDITIVE	3,201,241 3,203,624
VAN ARENDONK, WILLY GIJSBERTA CORNELIA	3,202,432	VORNLOCHER, HANS-PETER	3,202,202	LIMITED	3,203,247
VAN AUDENAerde, JONAS	3,203,788	VUOKILA, MARKO	3,202,195	WEALE, MICHAEL	3,203,577
VAN BLARCOM, THOMAS JOHN	3,201,115	VUONG, HUNG	3,203,470	WEALE, MICHAEL	3,203,578
VAN DEN BERG, JAKOB	3,203,247	W.R. GRACE & CO.-CONN. INC.	3,201,213	WEAR, DANIEL G.	3,201,270
VAN DEN BERG, KAREL	3,203,476	W.L. GORE & ASSOCIATES,	3,202,131	WEAR, DANIEL G.	3,202,501
VAN DEN BERG, KAREL	3,203,662	WAGNER, ELLEN KATHLEEN	3,202,361	WEAR, DANIEL G. GREGORY	3,201,269
VAN DEN BERGH, RODERICK	3,202,282	WAGNER, RALF	3,202,503	WEBB, JEREMY NOLAN	3,201,271
VAN DEN BORN, ERWIN	3,202,683	WAHL, TERJE	3,202,150	WEEKS, RON	3,203,768
VAN DER LINDEN, JOOST HERMAN	3,203,740	WAKS, EDO	3,202,685	WEI, LIANGQIN	3,203,418
VAN DER VLUGT, JAY	3,201,232	WAKX, ANAIS	3,202,623	WEI, LIANGQIN	3,203,502
VAN DIJK, ALBERT	3,202,622	WALBURGER, KASSANDRA	3,201,116	WEI, LIANGQIN	3,203,562
VAN DIJK, EDWARD JOHN HENRIK	3,202,046	WALBURGER, KASSANDRA WALLAERT, IGNACE	3,201,117	WEIHRAUCH, MICHAEL	3,201,149
VAN VLIET, TYKO EVEREST	3,201,121	WALLER, THOMAS	3,203,567	WEIN, NICOLAS SEBASTIEN	3,203,585
VANDERBILT, CHAD	3,202,208	WALMART APOLLO, LLC	3,201,241	WEITZEL, DOUGLAS E.	3,201,320
VANORNUM, DOUG	3,202,350	WALTER, ANKE	3,203,299	WELECT GMBH	3,201,223
VASILACHE, ADRIANA	3,202,283	WALTER, RICHARD EDWARDS	3,202,648	WELLS, DANIEL	3,203,577
VASUDEVAN, SUDHARSAN	3,202,138	WALTER, RICHARD EDWARDS	3,202,471	WELLS, DANIEL	3,203,578
VELDHUIZEN, EDWIN JOHANNES ADRIANUS	3,202,622	WALTER, RICHARD EDWARDS	3,202,487	WELTI, JONATHAN	3,202,058
VENETIANER, PETER L.	3,200,793	WALTER, RICHARD EDWARDS	3,202,491	WERRY, ERYN	3,201,546
VENKAT, RAGHAVAN	3,203,280	WALTER, RICHARD EDWARDS	3,202,492	WEST, BENJAMIN E.	3,203,740
VENKATASUBRAMANIAN, RAJA	3,203,448	WALTERS BAY HOLDINGS, LLC	3,202,154	WESTERLUND, JOEL VION	3,203,449
VENKATASUBRAMANIAN, RAJA	3,203,566	WALTON, KYLE B.	3,202,502	WESTINGHOUSE ELECTRIC COMPANY LLC	3,202,458
VERARDI, CHRISTOPHER A.	3,202,451	WANG, ANXIN	3,203,564	WESTROCK PACKAGING SYSTEMS, LLC	3,202,204
VERDIER, SYLVAIN	3,202,540	WANG, CHAO	3,201,253	WESTROCK PACKAGING SYSTEMS, LLC	3,202,401
VEREZ BENCOMO, VICENTE GUILLERMO	3,203,793	WANG, CHAO	3,202,442	WHALLEY, RICHARD DAVID	3,202,194
VERMA, MOHIT	3,202,603	WANG, CHUN-CHUNG	3,203,644	WHALLEY, RICHARD DAVID	3,202,199
VERMA, MOHIT	3,203,298	WANG, HONGXIA	3,202,197	WHELAN, PATRICK JAMES	3,202,469
VERMA, MOHIT	3,203,453	WANG, HONGYING	3,202,695	WHIPPANY ACTUATION SYSTEMS LLC	3,202,334
VERMA, MOHIT	3,203,454	WANG, JIANGSHAN	3,203,298	WHITE, JAY D.	3,201,233
VERTEX PHARMACEUTICALS INC.	3,202,687	WANG, JIANGSHAN	3,203,453	WHITLEY, SVETLANA	3,202,740
VIDALIS, MATTHAIOS	3,202,161	WANG, JIHENG	3,203,454	WHITTEN, JONATHAN CLYDE	3,201,264
VIGIL NEUROSCIENCE, INC.	3,203,783	WANG, JOHN	3,202,477	WICKE, NIELS	3,202,270
VILMORIN & CIE	3,203,609	WANG, LIBING	3,203,177	WICKS, GEORDIE	3,203,297
VIRBAC	3,202,294	WANG, WEI	3,197,861	WIDYARATNE, HASANTHA	
VIRSEC SYSTEMS, INC.	3,201,354	WANG, WEI	3,201,238	SANJEEWA	3,202,154
VIRSEC SYSTEMS, INC.	3,201,355	WANG, WENXIANG	3,202,451	WILBEK, FIE ALICE	
VIRSEC SYSTEMS, INC.	3,202,446	WANG, XIAOLUN	3,202,187	HALLKVIST	3,202,540
VIRSEC SYSTEMS, INC.	3,202,448	WANG, YUHANG	3,198,885	WILD, ANDRE	3,203,595
VIRSEC SYSTEMS, INC.	3,202,453	WANG, ZHENGXU	3,202,682	WILKE, TODD ERNEST	3,200,790
VIRSEC SYSTEMS, INC.	3,202,464	WANG, ZHONGLI	3,197,861	WILLIAMS, EDWARD M.	3,202,425
VIRY, CEDRIC	3,201,196	WANG, ZHOU	3,202,251	WILLIAMS, SHAZAM S.	3,203,639
VITAL CONTAINMENT SOLUTIONS INC.	3,201,240	WARD, GREGORY JOHN	3,202,477	WILLIAMS, VALERIE ANNE	3,203,648
VITALONE, ROCCO	3,202,165	WARREN, LUKE	3,203,759	WINDHAGER, JOHANNES	3,202,156
VITERI ARRIOLA, FRANCISCO	3,203,643	WARSINSKE, HAYLEY	3,202,179	WIRTH, KLAUS	3,202,256
VITIELLO, LUCA	3,201,151	WASHBURN, DAVID GLENN	3,202,184	WITTRUP, K. DANE	3,202,397
VITIELLO, LUCA	3,201,171	WASHIO, TAKUYA	3,202,255	WLODARCZYK, SYLVAIN	3,203,580
Vlassoff, CYRIL NICOLAS	3,202,465	WASHKO, GEORGE JR.	3,201,152	WO, YAQI	3,202,451
VOGELSTEIN, BERT	3,201,235	WATANABE, HIDEYUKI	3,203,285	WOLCHOK, JEDD D.	3,202,384
VOGELSTEIN, BERT	3,203,773	WATANABE, JUNICHI	3,203,626	WONDERLAND	
VOGT, CHRISTIAN	3,203,770	WATSON, JOHN	3,203,664	SWITZERLAND AG	3,201,177
VOIGT, ANDREAS	3,202,259	WATSON, JONATHAN FRANCIS	3,202,686	WONG, ANSON WAH CHUN	3,202,469
VOITURIEZ, ARNAUD	3,203,656	WATSON, MATTHEW	3,201,205	WONG, KARRIE KA WAI	3,199,435
			3,202,347	WONG, KHOI LOON	3,202,178
				WOOD, KYLE	3,203,782

## Index des demandes PCT entrant en phase nationale

WOOLRIDGE, JILLIAN JAMISON	3,201,261	YEDA RESEARCH AND DEVELOPMENT CO. LTD.	3,202,382	ZHEN, YUEQIAN	3,202,475
WORK AIR TECHNOLOGIES PTY LTD	3,201,126	YEGANEH, HOJATOLLAH	3,202,477	ZHOU, DONG	3,201,243
WORKMAN, MICHAEL K.	3,202,246	YEN, CHUN-WAN	3,203,463	ZHOU, GONGBO	3,197,861
WRIGHT, ADDISON	3,201,392	YETI COOLERS, LLC	3,203,761	ZHOU, HAIYAN	3,202,560
WRIGHT, ROBERT	3,202,203	YEUNG, TIMOTHY	3,202,504	ZHOU, HONGMING	3,203,428
WU, FANG	3,202,303	YEVTUSHENKO, OLEKSANDRA	3,202,648	ZHOU, SHIBIN	3,203,773
WU, JIKANG	3,202,197	YI, WENWEN	3,197,861	ZHU, DONGDONG	3,201,243
WU, LEI	3,202,577	YILDIRIM, ALI RIZA	3,202,576	ZHU, LIANG	3,202,635
WU, NAN	3,202,573	YOUNG, JULIAN	3,202,201	ZUBELE HOLDING, S.P.A.	3,202,238
WU, PATRICK P.	3,201,384	YOUNG, RODNEY	3,203,470	ZUBELE HOLDING, SPA	3,202,495
WU, PATRICK P.	3,201,390	YOUNGBULL, AARON CODY	3,202,423	ZOMORODI, SEPEHR	3,202,438
WU, QING	3,201,125	YOUSEF, ALI MUNAIM	3,202,165	ZOMORODI, SEPEHR	3,202,447
WU, TINGHE	3,203,425	YSLAB	3,202,623	ZOU, JIAN	3,202,695
WU, YUHU	3,203,502	YU, JIAN	3,202,490	ZOU, TAN	3,203,564
WU, YUHU	3,203,562	YU, NINGHUI	3,201,124	ZTE CORPORATION	3,203,487
WU, YUHU	3,203,658	YU, YOUNG	3,203,479	ZTE CORPORATION	3,203,489
WU, ZHIHONG	3,203,418	YUAN, WEI	3,203,815	ZUCK, DENNIS	3,203,761
WU, ZHIHONG	3,203,502	YUAN, WEI	3,203,818	ZYRIS, INC.	3,202,155
WU, ZHIHONG	3,203,562	YUAN, ZHIQIANG	3,202,321		
WU, ZHIHONG	3,203,658	ZACHERLE, MATTHEW E.	3,202,204		
WU, ZHIZHUO	3,201,363	ZAMAMIRI, ABDELQADER	3,202,197		
WU, ZIWEN	3,201,114	ZANTE, ETIENNE	3,202,189		
WUNSCH, BERNHARD	3,201,110	ZAREKAR, JAY	3,202,314		
WURSTER, GLENN DANIEL	3,201,359	ZARROUK, AZADDIEN	3,202,276		
WURTH ELEKTRONIK EISOS GMBH & CO. KG	3,203,654	ZEALAND PHARMA A/S	3,202,157		
WYMAN, CATHERINE	3,202,282	ZEILER, STEVEN ROBERT	3,203,642		
WYSS, TIMMY KIM	3,203,659	ZENG, KAI	3,202,477		
XERO LIMITED	3,202,183	ZEROPoint TECHNOLOGIES AB	3,203,482		
XIA, JIQIANG	3,203,179	ZETTERBERG, FREDRIK	3,203,618		
XIA, JIQIANG	3,203,287	ZHAI, QIANTING	3,203,652		
XIANG, BIN	3,202,244	ZHAN, HANGJUN	3,202,331		
XIAO, CONGTU	3,203,425	ZHAN, YIDUO	3,203,752		
XIE, JINGXIU	3,202,394	ZHANG, CHUANSHENG	3,197,861		
XIONG, YANYU	3,202,583	ZHANG, CHAOFAN	3,197,861		
XIONG, YING	3,202,583	ZHANG, CHAOHUA	3,203,426		
XU, DANIAN	3,203,426	ZHANG, CHENGJUN	3,201,238		
XU, GUANYOU	3,203,426	ZHANG, CHRISTOPHER	3,202,504		
XU, JUN	3,202,303	ZHANG, CHUANJU	3,203,426		
XU, LIANHONG	3,202,049	ZHANG, CONGHUI	3,203,426		
XUE, YAFENG	3,203,569	ZHANG, DALIANG	3,201,177		
XUZHOU KERUI MINING TECHNOLOGY CO., LTD.	3,197,861	ZHANG, HAN	3,202,183		
YAAKOBOVICH, HALIT	3,199,434	ZHANG, KE	3,203,463		
YALACKI, DANIEL L.	3,202,254	ZHANG, KEVIN	3,201,121		
YALE UNIVERSITY	3,203,778	ZHANG, LIHUA	3,202,267		
YAN, WENJUN	3,203,487	ZHANG, SHUJUAN	3,203,489		
YANG, HYEJEONG	3,202,635	ZHANG, WEI	3,203,428		
YANG, JIE	3,202,321	ZHANG, YI	3,201,115		
YANG, TONG	3,202,303	ZHANG, YUYAN	3,201,125		
YANG, XIN	3,202,504	ZHANG, ZHANG	3,203,426		
YANG, YANG	3,202,691	ZHANG, ZHENGXIN	3,203,781		
YANG, YANG	3,202,692	ZHANG, ZHIQIANG	3,203,426		
YANG, ZUOXING	3,202,290	ZHAO, GUANGHUI	3,201,177		
YARLAGADDA, DIG VIJAY KUMAR	3,202,208	ZHAO, HAIBO	3,203,304		
YARZEBINSKI, ANDREW JAMES	3,202,451	ZHAO, JULIA	3,201,196		
YATES, CHAD ERIC	3,202,465	ZHAO, YANGBO	3,201,125		
YE, TAO	3,203,425	ZHEJIANG HUODE BIOENGINEERING COMPANY LIMITED	3,203,564		
YEATES, RANDALL CLAYTON	3,203,555	ZHEN, YUEQIAN	3,202,467		

# Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

## Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

ACKLEY MACHINE CORPORATION	3,203,402	DILLON, ANDREW	3,203,458	LAW, JAMES WILLIAM	3,203,401
ACKLEY, E. MICHAEL, JR.	3,203,402	DIVAN, DEEPAKRAJ M.	3,203,458	LAWRENCE, DON	3,107,005
ACTIMED THERAPEUTICS LTD	3,203,368	DOLBY INTERNATIONAL AB	3,203,400	LAWRENCE, DONNA	3,107,005
ADVANCED BIOTECHNOLOGIES, LLC	3,203,401	DRURY, NICK	3,203,293	LEBLANC, CHARLES	3,203,269
AFEYAN, NOUBAR B.	3,203,756	EARNSHAW, ANDREW MARK	3,203,406	LEE, MICHAEL	3,203,271
AKKARAJU, SANDEEP	3,203,627	ECOLAB USA INC.	3,203,657	LEVEL, MARIA	3,203,355
ALTOBELLi, DAVID E.	3,203,747	EL TAHCHY, ANNA	3,203,397	LEWIS, STEPHEN	3,203,744
ANKER, STEFAN	3,203,368	EXO IMAGING, INC.	3,203,627	LI, JUN	3,203,406
ARCHER-DANIELS-MIDLAND COMPANY	3,203,680	FIGUEROA, JESUS PEREZ	3,203,271	LI, YANGGUANG	3,203,475
AUNINS, JOHN GRANT	3,203,756	FONG, MO-HAN	3,203,406	LI, YANGGUANG	3,203,483
BAE, SOHYUN	3,203,613	FORD, MARK	3,203,402	LI, YANGGUANG	3,203,488
BALDRIDGE, CHARLES A.	3,203,293	FOYE, DARWIN	3,203,379	LING, FENG	3,203,347
BECHTEL, KATE	3,203,465	FRASCOME, TODD J.	3,203,475	LITCOFSKY, KEVIN DANIEL	3,203,756
BEHR PROCESS CORPORATION	3,203,379	FRASCOME, TODD J.	3,203,483	LIU, QING	3,203,397
BERRY, DAVID ARTHUR	3,203,756	FRASCOME, TODD J.	3,203,488	LOWER, MARC	3,203,462
BESTER, COLIN	3,203,401	FRIDABABY, LLC	3,203,355	MAGUIRE, MARTIN P.	3,203,288
BLACKBERRY LIMITED	3,203,406	FUCHS, MICHAEL	3,203,832	MALLER, MICHAEL	3,203,469
BOOHAKER, REBECCA	3,203,271	FUKUSHIMA, SHIGERU	3,203,498	MATTHEWS, PAUL	3,203,744
BRADSHAW, ALLAN	3,203,462	GAGNON, JEAN-RENE	3,203,760	MCBEATH, SEAN	3,203,406
BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED	3,203,744	GALLUSEDER, FLORIAN	3,203,802	MCDANIEL, TOM R.	3,203,550
BRYZEK, JANUSZ	3,203,627	GHULAM MUSTAFA, ISAAK	3,203,744	MCKENZIE, MARY-JANE	
BURBIDGE, RICHARD CHARLES	3,203,406	GIBBONS, IAN	3,203,331	LOMBARDO	3,203,756
BUZYN, JOHN	3,203,379	GIBSON, MARTIN	3,203,472	MEDIBEACON INC.	3,203,465
CAI, ZHIJUN	3,203,406	GIRARD, JAMES DAVID	3,203,401	MEHRA, GAURAV	3,203,475
CAMPILLO RONQUILLO, HUMBERTO IGNACIO	3,203,451	GRAUZER, ATTILA	3,203,377	MEHRA, GAURAV	3,203,483
CARABIN, PIERRE	3,203,760	HAINES, RONALD C.	3,203,475	MEHRA, GAURAV	3,203,488
CARLSON, BRIAN P.	3,203,657	HAINES, RONALD C.	3,203,483	MENAND, JEAN-RENE	3,203,472
CHEN, SHAOliANG	3,201,993	GHULAM MUSTAFA, ISAAK	3,203,488	MILESTONE	
CHERNIK, RYAN A.	3,203,657	HALOZYME, INC.	3,203,273	PHARMACEUTICALS	
CHUNG, UN HO	3,203,379	HAQUE, YUSUF S.	3,203,627	INC.	3,203,288
COATS, ANDREW J.S.	3,203,368	HELGESEN, JAMES P.	3,203,377	MILLER, RICHARD D.	3,203,475
COBLER, BRAD A.	3,203,307	HENN, MATTHEW R.	3,203,756	MILLER, RICHARD D.	3,203,483
COCHRANE, RICHARD	3,203,462	HENSGEN, DEBRA	3,203,472	MILLER, RICHARD D.	3,203,488
COLE, DANIEL S.	3,203,550	HEO, YOUN HYOUNG	3,203,406	MOGHE, ROHIT	3,203,458
CONTINUUS MATERIALS INTELLECTUAL PROPERTY, LLC	3,203,462	HIRSCHHORN, CHELSEA	3,203,355	MURPHY, VINCENT J.	3,203,680
COOK, DAVID N.	3,203,756	HOGGATT, JONATHAN	3,203,374	MYERS, JACOB AARON	3,203,475
CROGAN, JAMES	3,203,379	IAMOND, GARY M.	3,203,680	MYERS, JACOB AARON	3,203,483
D'ONOFRIO, ANTHONY MARIO	3,203,756	IBENTRUS, INC.	3,203,613	MYERS, JACOB AARON	3,203,488
DAHLGREN, ARON D.	3,203,657	INDIANA UNIVERSITY RESEARCH & TECHNOLOGY CORPORATION	3,203,406	NELSON, TROY D.	3,203,377
DEKA PRODUCTS LIMITED PARTNERSHIP	3,203,747	IYER, NANDINI	3,203,374	NELSON, WESLEY M.	3,203,657
DERAAD, DEAN	3,203,462	JUNG, WOOSANG	3,203,472	NUSEED GLOBAL	
DIAS, ERIC L.	3,203,680	JVC KENWOOD	3,203,379	INNOVATION LTD	3,203,397
		CORPORATION	3,203,498	O'CONNELL, MICHAEL	3,203,331
		KEATING, JENNIFER	3,203,465	OHSUMI, TOSHIRO K.	3,203,756
		KELLY, JAMES V.	3,203,377	OLDCASTLE	
		KHALED, ANNETTE	3,203,271	INFRASTRUCTURE, INC.	3,203,269
		KIM, HOEON	3,203,613	OPENTV, INC.	3,203,472
		KJOERLING, KRISTOFER	3,203,400	PALMER, DANIEL J.	3,203,402
		KREKLEWETZ, WILLIAM	3,203,760	PANNKUK, TERRELL F.	3,203,715
		LABRADOR DIAGNOSTICS	3,203,331	PANNKUK, TERRELL F.	3,203,715
		LLC	3,203,469	PARISI, RAYMOND C.	3,203,293
		LAM, AMNON	3,203,469	PELUS, LOUIS M.	3,203,374
				PERDIKOMATIS, NIKOLAOS	
				CHRIS	3,203,797
				PERRY, N. CHRISTOPHER	3,203,747

**Index des demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

PETRIE, JAMES ROBERTSON	3,203,397	WITTMER, PHILIP	3,203,483
PIERRE, LUDOVIC	3,203,472	WITTMER, PHILIP	3,203,488
PIERSON CAPITAL ENVIRONMENTAL (BEIJING) LIMITED	3,203,347	XOSMAR INDUSTRIES, LLC	3,203,451
PLASMATICA LTD.	3,203,469	XU, HUA	3,203,406
POLARIS INDUSTRIES INC.	3,203,832	ZHU, GUANG	3,203,680
POLY-AMERICA, L.P.	3,203,307	ZIMMER, INC.	3,203,293
PRASAI, ANISH	3,203,458		
PULNOVO MEDICAL (WUXI) CO., LTD.	3,201,993		
PYROGENESIS CANADA INC.	3,203,760		
RAO, LAKSHMINARAYANA	3,203,760		
RAPPORT, SEBASTIAN	3,203,472		
RAYMAN, JAN	3,203,462		
REDEKOP, JOHAN	3,203,311		
REITER, MICHAEL	3,203,802		
RELX INC.	3,203,475		
RELX INC.	3,203,483		
RELX INC.	3,203,488		
REYNOLDS, DAMIEN	3,203,379		
RUSH, CARL	3,203,462		
RYNDA, ROBERT J.	3,203,377		
SAGIV, ADAM	3,203,469		
SAUCEDA, SAMUEL	3,203,355		
SCHEPER, PAUL K.	3,203,377		
SCHULTZ, KIMBERLY	3,203,465		
SENTIENT ENERGY TECHNOLOGY, LLC	3,203,458		
SERES THERAPEUTICS, INC.	3,203,756		
SG GAMING, INC.	3,203,377		
SHAW, EDWARD E.	3,203,550		
SHEPARD, MICHAEL H.	3,203,273		
SINGH, PRATIBHA	3,203,374		
SINGH, SURINDER PAL	3,203,397		
SKRENES, LARRY	3,203,627		
SMITH, BENJAMIN A.	3,203,550		
SOLOMON, EDWARD	3,203,465		
SPENSER, MATTHEW	3,203,462		
STASSON, JAMES B.	3,203,377		
STREETER, ALEXANDER D.	3,203,747		
SUPUT, MARKO	3,203,462		
SUZUKI, TAKASHI	3,203,406		
SWANSON, RONALD R.	3,203,377		
TELFORD, CODY	3,203,832		
THAKAR, PUNEET PIYUSH	3,203,379		
THANOS, CHRISTOPHER D.	3,203,273		
TOBERMAN, RICHARD	3,203,462		
UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.	3,203,271		
VAN MARLE, JASON	3,203,379		
VANDEVER, KEVIN	3,203,379		
VANHERCKE, THOMAS	3,203,397		
VON MALTZAHN, GEOFFREY	3,203,756		
W & H DENTALWERK BUERMOOS GMBH	3,203,802		
W. L. GORE & ASSOCIATES, INC.	3,203,550		
WANG, LIN	3,203,273		
WEBB, MARC	3,203,379		
WHITAKER, RANDAL	3,203,462		
WINTEROWD, JACK	3,203,462		
WITTMER, PHILIP	3,203,475		