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# The Patent Office Record

# La Gazette du Bureau des brevets



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Canada

CIPO OPIC

# 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.....	91
--	----

### PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale .....	105
---	-----

### 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 .....	217
---	-----

### Index of Canadian Patents Issued

Index des brevets canadiens délivrés .....	223
--	-----

### Index of Canadian Applications Open to Public Inspection

Index des demandes canadiennes mises à la disponibilité du public .....	235
---	-----

### Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale .....	238
---	-----

### 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 .....	259
---	-----

# 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:	N/A	
a) for each request	\$10	
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 :	S.O.
a) pour chaque demande	10 \$
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:

3,112,494

## 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 :

3,112,494

## 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

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.

## Preliminary Examination

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

\* 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).

### 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'abrégué 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.

## Avis

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.

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.

## Notices

### 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 November 7, 2023 contains applications open to public inspection from October 22, 2023 to October 28, 2023.

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

La *Gazette du bureau des brevets* du 7 novembre 2023 contient les demandes disponibles au public pour consultation pour la période du 22 octobre 2023 au 28 octobre 2023.

# Canadian Patents Issued

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[72] BELLGRAU, DONALD, US  
[72] TAMBURINI, BETH, US  
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[72] MCLEOD, JOHN, CA  
[72] SABELLI, TONINO, CA  
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[72] GELARDI, PEPIN, US  
[73] 2603701 ONTARIO INC., CA  
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[72] ZHANG, SHUNNAN, CN  
[72] ZHOU, LIHONG, CN  
[72] ZHANG, WENSHENG, CN  
[72] DONG, HA'OU, CN  
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[72] YUDINA, NATALIA, CA  
[72] SEFEROVIC, MAXIM DANIEL, CA  
[73] STELLAR BIOME INC., CA  
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[54] COUPE-PELLICULE DE CYCLE  
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[72] MACKIE, LAURIE ROBERT, CA  
[72] LOU, DEFU, CA  
[73] 1137508 ON LTD., CA  
[86] (2917892)  
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WAVY RIBS  
[54] BOUTEILLE CLOCHE A  
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[72] HANAN, JAY CLARKE, US  
[73] NIAGARA BOTTLING, LLC, US  
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SHIELD  
[54] PROTECTEUR DE CHALEUR DE  
DOME DE COMBUSTOR  
[72] PAPPLE, MICHAEL, CA  
[73] PRATT & WHITNEY CANADA  
CORP., CA  
[86] (2920188)  
[87] (2920188)  
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[25] EN  
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REDUNDANCY IN LOCOMOTIVE  
CONSISTS  
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DES GROUPES DE  
LOCOMOTIVES  
[72] TIONE, ROBERTO, IT  
[73] FAIVELEY TRANSPORT ITALIA  
S.P.A., IT  
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[25] EN  
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OF XENOBIOTIC METABOLISM  
[54] SYSTEMES ET PROCEDES  
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PERTURBATION DU  
METABOLISME XENOBIOTIQUE  
[72] HOENG, JULIA, CH  
[72] PEITSCH, MANUEL CLAUDE, CH  
[73] PHILIP MORRIS PRODUCTS S.A.,  
CH  
[85] 2016-03-04  
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ESTIMATING A TIME OF AN  
ENGINE EVENT  
[54] SYSTEMES ET METHODES  
D'ESTIMATION D'UN MOMENT  
D'UN EVENEMENT MOTEUR  
[72] MATTHEWS, BRETT ALEXANDER,  
US  
[72] BIZUB, JEFFREY JACOB, US  
[72] BATAL, IYAD, US  
[72] WHEELER, FREDERICK WILSON,  
US  
[73] INNIO NORTH AMERICA HOLDING  
INC., US  
[86] (2924930)  
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[54] DESMOGLEIN 2 (DSG2) BINDING  
PROTEINS AND USES  
THEREFORE IN TREATING  
DISORDERS ASSOCIATED WITH  
EPITHELIAL TISSUES  
[54] PROTEINES DE LIAISON A LA  
DESMOGLEINE 2 (DSG2) ET  
LEURS UTILISATIONS DANS LE  
CADRE DU TRAITEMENT DE  
TROUBLES LIES AUX TISSUS  
EPITHELIAUX  
[72] LIEBER, ANDRE, US  
[72] WANG, HONGJIE, US  
[73] UNIVERSITY OF WASHINGTON  
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COMMERCIALIZATION, US  
[85] 2016-03-21  
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- [25] EN
- [54] **PROTECTIVE HEADGEAR**
- [54] **COIFFURE PROTECTRICE**
- [72] NEWMAN, JESSE, US
- [72] COLVILLE, NICHOLAS, US
- [72] FREAM, DAVID WINTHROP, US
- [72] MOORE, STEPHEN, US
- [73] CASCADE MAVERIK LACROSSE,  
LLC, US
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- [25] EN
- [54] **DRAFT BEER SUPPLY CHAIN  
SYSTEMS AND METHODS**
- [54] **SYSTEMES ET PROCEDES POUR  
CIRCUIT D'ALIMENTATION EN  
BIERE PRESSION**
- [72] KREMER, STEVE, US
- [72] KOSIAREK, MARK, US
- [72] MAYER, MATT, US
- [72] HERSHBERGER, STEVE, US
- [73] BREWLOGIX LLC, US
- [85] 2016-04-28
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- [30] US (61/899,286) 2013-11-03
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- [25] EN
- [54] **APPARATUS FOR  
THERMOELECTRIC  
GENERATION ON HVAC PIPES**
- [54] **APPAREIL DE GENERATION  
THERMOELECTRIQUE DESTINE  
A DES CONDUITS CVCA**
- [72] AHDOOT, ELIOT, CA
- [72] AHDOOT, BENJAMIN, CA
- [72] AHDOOT, SIMON, CA
- [73] BIGZ TECH, CA
- [86] (2929141)
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- [25] EN
- [54] **CURCUPHENOL COMPOUNDS  
FOR INCREASING MHC-I  
EXPRESSION**
- [54] **COMPOSES DE CURCUPHENOL  
POUR ACCROITRE  
L'EXPRESSION DU CMH-I**
- [72] JEFFERIES, WILFRED A., CA
- [72] NOHARA, LILIAN, CA
- [72] WILLIAMS, DAVID, CA
- [72] ANDERSEN, RAYMOND, CA
- [72] GABATHULER, REINHARD, CA
- [73] CAVA HEALTHCARE INC., CA
- [85] 2016-05-09
- [86] 2014-11-20 (PCT/US2014/066543)
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- [30] US (61/906,817) 2013-11-20
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- [51] Int.Cl. G01M 15/00 (2006.01) G01N  
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- [25] EN
- [54] **EVALUATION OF COMPONENT  
CONDITION THROUGH  
ANALYSIS OF MATERIAL  
INTERACTION**
- [54] **EVALUATION D'ETAT DE  
COMPOSANT AU MOYEN D'UNE  
ANALYSE D'INTERACTION DE  
MATERIAUX**
- [72] JEAN, MAURICE, CA
- [72] MEILLEUR, DANIEL, CA
- [73] PRATT & WHITNEY CANADA  
CORP., CA
- [86] (2931571)
- [87] (2931571)
- [22] 2016-05-27
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- [25] EN
- [54] **DIELECTRIC BARRIER  
DISCHARGE IONIZATION  
SOURCE FOR SPECTROMETRY**
- [54] **SOURCE D'IONISATION PAR  
DECHARGE A BARRIERE  
DIELECTRIQUE POUR  
SPECTROMETRIE**
- [72] FELDBERG, SIMON, CA
- [72] KUBELIK, IGOR, CA
- [72] ATAMANCHUK, BOHDAN, CA
- [72] PINIARSKI, MARK, CA
- [72] LEKHTER, MARK, CA
- [72] LEVIN, DANIEL, CA
- [72] SERGEYEV, VLAD, CA
- [72] ZALESKI, HENRYK, CA
- [73] SMITHS DETECTION MONTREAL  
INC., CA
- [85] 2016-05-26
- [86] 2014-11-26 (PCT/CA2014/051126)
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- [25] EN
- [54] **POWER CONNECTOR, AND  
ELECTRICAL CONNECTION  
ELEMENT AND OPERATING  
METHOD THEREFOR**
- [54] **CONNECTEUR  
D'ALIMENTATION ET ELEMENT  
DE CONNEXION ELECTRIQUE  
ET METHODE D'UTILISATION  
ASSOCIEE**
- [72] JUDS, MARK ALLAN, US
- [72] ROLLMANN, PAUL JASON, US
- [72] HASTINGS, JEROME KENNETH, US
- [72] ECKROTH, KURT VON, US
- [72] JOHNSON, JEFFREY TROY, US
- [72] BRIGGS, ROGER JAMES, US
- [73] EATON INTELLIGENT POWER  
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- [86] (2933985)
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[25] EN  
[54] POWER CONNECTOR, AND  
ELECTRICAL CONNECTION  
ELEMENT AND ASSEMBLY  
METHOD THEREFOR  
[54] CONNECTEUR  
D'ALIMENTATION ET ELEMENT  
DE CONNEXION ELECTRIQUE  
ET METHODE D'ASSEMBLAGE  
ASSOCIEE  
[72] ROLLMANN, PAUL JASON, US  
[72] JUDS, MARK ALLAN, US  
[72] ECKROTH, KURT VON, US  
[73] EATON INTELLIGENT POWER  
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[86] (2933986)  
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[25] EN  
[54] ANTIBODY MOLECULES TO PD-1  
AND USES THEREOF  
[54] MOLECULES D'ANTICORPS  
ANTI-PD-1 ET LEURS  
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[72] FREEMAN, GORDON JAMES, US  
[72] SHARPE, ARLENE HELEN, US  
[72] BLATTLER, WALTER A., US  
[72] MATARAZA, JENNIFER MARIE, US  
[72] SABATOS-PEYTON, CATHERINE  
ANNE, US  
[72] CHANG, HWAI WEN, US  
[72] FREY, GERHARD JOHANN, US  
[73] DANA-FARBER CANCER  
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[73] NOVARTIS AG, CH  
[73] PRESIDENT AND FELLOWS OF  
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[85] 2016-06-28  
[86] 2015-01-23 (PCT/US2015/012754)  
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[30] US (61/931,512) 2014-01-24  
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[54] AUTORACK RAILROAD CAR  
HAVING CONVERTIBLE DECK  
STRUCTURE  
[54] WAGON DE TRANSPORT  
D'AUTOMOBILES A STRUCTURE  
DE PLATEFORME  
CONVERTIBLE  
[72] BIS, TOMASZ, CA  
[72] FORBES, JAMES WILFRED, CA  
[73] NATIONAL STEEL CAR LIMITED,  
CA  
[86] (2935975)  
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[25] EN  
[54] PROGRESSIVE PROFILING IN AN  
AUTOMATION SYSTEM  
[54] ETABLISSEMENT DE PROFIL  
PROGRESSIF DANS UN SYSTEME  
D'AUTOMATISATION  
[72] LYMAN, JEFFERSON, US  
[72] BRUNSON, NIC, US  
[72] SHEARER, WADE, US  
[72] WARNER, MIKE, US  
[72] WALGER, STEFAN, US  
[73] VIVINT, INC., US  
[85] 2016-07-08  
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[25] EN  
[54] SYSTEMS AND METHODS FOR  
PRODUCING A SUGAR STREAM  
[54] SYSTEMES ET METHODES DE  
PRODUCTION D'UN FLUX DE  
SUCRE  
[72] JAKEL, NEAL, US  
[72] FRANKO, MICHAEL, US  
[72] KWIK, JOHN, US  
[72] WHALEN, ANDREW, US  
[73] FLUID QUIP TECHNOLOGIES, LLC,  
US  
[86] (2936687)  
[87] (2936687)  
[22] 2016-07-21  
[30] US (62/196,108) 2015-07-23  
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[25] EN  
[54] CABLE PROTECTOR CLAMPS  
AND RELATED METHODS  
[54] PINCES DE PROTECTEUR DE  
CABLE ET METHODES  
ASSOCIEES  
[72] HUCKABAY, RONALD J., CA  
[73] HUCKABAY, RONALD J., CA  
[86] (2937254)  
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[13] C

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ASSEMBLY  
[54] MECANISME CONNECTEUR  
PIVOTANT  
[72] DE GRASSE, SCOTT R., US  
[73] AQUA-LEISURE RECREATION,  
LLC., US  
[86] (2937262)  
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 [25] EN  
 [54] AN APPARATUS, SYSTEM AND METHOD FOR MECHANICAL, SELECTIVE WEED CONTROL IN MATURE AND ESTABLISHING CROPS INCLUDING TURFGRASSES  
 [54] APPAREIL, SYSTEME ET PROCEDE UTILISABLES EN VUE DE LA LUTTE MECANIQUE SELECTIVE CONTRE LES MAUVAISES HERBES DANS DES CULTURES INSTALLEES ET EN COURS D'INSTALLATION, DONT LA PELOUS E  
 [72] HENDERSON, JASON JEFFREY, US  
 [73] SWARD LLC, US  
 [85] 2016-07-21  
 [86] 2015-01-21 (PCT/US2015/012266)  
 [87] (WO2015/112613)  
 [30] US (61/929,607) 2014-01-21
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 [54] TIME INTERLEAVER, TIME DEINTERLEAVER, TIME INTERLEAVING METHOD, AND TIME DEINTERLEAVING METHOD  
 [54] ENTRELACEUR TEMPOREL, DESENTRELACEUR TEMPOREL, PROCEDE D'ENTRELACEMENT TEMPOREL ET PROCEDE DE DESENTRELACEMENT TEMPOREL  
 [72] KLENNER, PETER, DE  
 [73] PANASONIC HOLDINGS CORPORATION, JP  
 [85] 2016-08-02  
 [86] 2015-09-10 (PCT/JP2015/004609)  
 [87] (WO2016/051687)  
 [30] EP (14186891.9) 2014-09-29  
 [30] JP (2015-171835) 2015-09-01

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[13] C

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 [25] EN  
 [54] ROBOTIC END EFFECTOR AND METHOD FOR MASKLESS PAINTING  
 [54] EFFECTEUR D'EXTREMITE ROBOTIQUE ET METHODE DE PEINTURE SANS MASQUE  
 [72] HAMPSON, BENJAMIN LLOYD, US  
 [72] PETERSEN, MEGAN MARIE, US  
 [72] VAN AVERY, JAMES CHARLES, US  
 [73] THE BOEING COMPANY, US  
 [86] (2938997)  
 [87] (2938997)  
 [22] 2016-08-16  
 [30] US (14/885408) 2015-10-16
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 [25] EN  
 [54] GENERATING ADAPTIVE NOTIFICATION  
 [54] PRODUCTION DE NOTIFICATION ADAPTATIVE  
 [72] GRENN, JOHN PATRICK, CA  
 [72] ALMALKI, NAZIH, CA  
 [72] FERRINGO, BRADLEY, US  
 [73] BLACKBERRY LIMITED, CA  
 [86] (2941307)  
 [87] (2941307)  
 [22] 2016-09-09  
 [30] US (14/852,156) 2015-09-11
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 [25] EN  
 [54] ELECTRICAL ISOLATOR  
 [54] ISOLATEUR ELECTRIQUE  
 [72] CHASE, IAN THOMAS, GB  
 [72] O'GARA, DARCY JOHN, GB  
 [72] PALACIOS, MIGUEL, GB  
 [73] CROMPTON TECHNOLOGY GROUP LIMITED, GB  
 [86] (2941751)  
 [87] (2941751)  
 [22] 2016-09-12  
 [30] EP (15275212.7) 2015-10-08

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[13] C

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 [25] EN  
 [54] ARBOR TRAP APPARATUS FOR COUNTERWEIGHT RIGGING SYSTEM  
 [54] APPAREIL DE LONGERON DESTINE A UN MECANISME D'APPAREIL DE FORAGE A CONTREPOIDS  
 [72] BOYCHUK, RICHARD WILLIAM, CA  
 [72] NIX, RICHARD JOSEPH, US  
 [73] GRID WELL INC., CA  
 [86] (2944817)  
 [87] (2944817)  
 [22] 2016-10-07  
 [30] US (62/238,241) 2015-10-07
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[13] C

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 [25] EN  
 [54] BULK MATERIAL SHIPPING CONTAINER  
 [54] CONTENANT D'EXPEDITION DE MATERIAU EN VRAC  
 [72] ALLEGRETTI, C. JOHN, US  
 [72] CORRIGAN, KEVIN SYLVESTER, US  
 [72] GUERRERO, MARGARITO, US  
 [72] GUERRERO, FELIX, US  
 [73] SANDBOX LOGISTICS, LLC, US  
 [86] (2945454)  
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 [22] 2016-10-13  
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  - [25] EN
  - [54] CABLE ASSEMBLY, CONNECTOR, AND METHOD FOR MANUFACTURING CABLE ASSEMBLY
  - [54] ASSEMBLAGE DE CABLE, RACCORD ET METHODE DE FABRICATION D'ASSEMBLAGE DE CABLE
  - [72] SASAKI, DAISUKE, JP
  - [73] HOSIDEN CORPORATION, JP
  - [86] (2945643)
  - [87] (2945643)
  - [22] 2016-10-18
  - [30] JP (2015-206128) 2015-10-20
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  - [54] SNOW BIKE TRACK ASSEMBLY
  - [54] ENSEMBLE DE PISTE DE VELO A NEIGE
  - [72] BALL, JARON L., US
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  - [86] (2946223)
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  - [25] EN
  - [54] COILED TUBING DOWNHOLE TOOL
  - [54] OUTIL POUR TROU VERS LE BAS A TUBE SPIRALE
  - [72] FLORES, JUAN CARLOS, US
  - [73] BAKER HUGHES INCORPORATED, US
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  - [87] (WO2015/167831)
  - [30] US (14/264,794) 2014-04-29
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  - [25] EN
  - [54] PART PROCESSING AND CLEANING APPARATUS AND METHOD OF SAME
  - [54] APPAREIL DE TRAITEMENT ET NETTOYAGE DE PIECE ET METHODE ASSOCIEE
  - [72] WERN, MICHAEL J., US
  - [73] ENGINEERED ABRASIVES, INC., US
  - [86] (2946415)
  - [87] (2946415)
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- [54] COMPOSITIONS CONTAINING POLYMERIC SULFUR AND USES THEREOF
- [54] COMPOSITIONS RENFERMANT DU SOUFRE POLYMERIQUE ET UTILISATIONS ASSOCIEES
- [72] DUNN, KELLY, US
- [72] FAZI, ALI, US
- [72] EKMAN-GUNN, EUEN T., US
- [72] LI, WEN-HWA, US
- [72] PARSA, RAMINE, US
- [73] JOHNSON & JOHNSON CONSUMER INC., US
- [86] (2947705)
- [87] (2947705)
- [22] 2016-11-07
- [30] US (14/956,883) 2015-12-02

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  - [25] EN
  - [54] SYSTEM AND METHOD FOR MONITORING WATER LEVEL ON A ROOF
  - [54] SYSTEME ET METHODE DE SURVEILLANCE DU NIVEAU D'EAU SUR UN TOIT
  - [72] PETRACHEK, JOHN, CA
  - [72] ZHU, XUEWEN, CA
  - [72] LI, JIANG, CA
  - [72] XIAO, JIANBIN, CA
  - [73] PETRACHEK, JOHN, CA
  - [73] ZHU, XUEWEN, CA
  - [73] LI, JIANG, CA
  - [73] XIAO, JIANBIN, CA
  - [86] (2947925)
  - [87] (2947925)
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  - [30] US (62/375,687) 2016-08-16
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- [25] EN
- [54] ANGiotensinogen (AGT) IRNA COMPOSITIONS AND METHODS OF USE THEREOF
- [54] COMPOSITIONS D'ARNI PRODUISANT UN EFFET SUR L'ANGiotensinogene (AGT) ET LEURS PROCEDES D'UTILISATION
- [72] FOSTER, DONALD, US
- [72] BETTENCOURT, BRIAN, US
- [72] CHARISSE, KLAUS, US
- [72] HINKLE, GREGORY, US
- [72] KUCHIMANCHI, SATYANARAYANA, US
- [72] MAIER, MARTIN, US
- [72] MILSTEIN, STUART, US
- [73] ALNYLAM PHARMACEUTICALS, INC., US
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SYSTEM  
[54] SYSTEME DE FERMETURE  
PERSONNALISABLE  
[72] COBB, PATRICK, US  
[73] COASTAL INDUSTRIES, INC., US  
[85] 2016-11-08  
[86] 2015-05-09 (PCT/US2015/030045)  
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[25] EN  
[54] PLATFORM FOR  
CONSTRUCTING AND  
CONSUMING REALM AND  
OBJECT FEATURE CLOUDS  
[54] PLATEFORME POUR  
CONSTRUIRE ET CONSOMMER  
UNE PARTITION ET DES NUAGES  
DE CARACTERISTIQUE D'OBJET  
[72] HERTEL, ALEXANDER, US  
[72] HERTEL, PHILIPP, US  
[73] HERTEL, ALEXANDER, US  
[73] HERTEL, PHILIPP, US  
[85] 2016-11-17  
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B60P 1/40 (2006.01) B65G 67/24  
(2006.01) F16H 47/04 (2006.01) F16H  
57/10 (2006.01)  
[25] EN  
[54] SYSTEM COMPRISING A MIXER-  
WAGON, FOR MIXING AND  
DISTRIBUTING FODDER, AND A  
MECHANICAL POWER  
TRANSMISSION UNIT FOR  
ACTUATING THE MIXER-  
WAGON  
[54] SYSTEME COMPORTANT UN  
WAGON MELANGEUR, DESTINE  
A MELANGER ET DISTRIBUER  
DU FOURRAGE ET UN MODULE  
DE TRANSMISSION DE  
PUISSEANCE MECANIQUE  
SERVANT A ACTIONNER LE  
WAGON MELANGEUR  
[72] BONDIOLI, EDI, IT  
[73] BONDIOLI, EDI, IT  
[86] (2951076)  
[87] (2951076)  
[22] 2016-12-08  
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[25] EN  
[54] A DATA COMMUNICATION  
SYSTEM FOR REMOTE  
MONITORING OF A CONDITION  
WITHIN AN ENCLOSURE  
[54] SYSTEME DE TRANSMISSION DE  
DONNEES POUR LA  
SURVEILLANCE A DISTANCE  
D'UNE CONDITION DANS UNE  
ENCEINTE  
[72] RODRIGUEZ, ERNESTO M., JR., US  
[72] AMANN, VAUGHN G., US  
[72] SCHRIX, LARS, DE  
[72] WEICHOLD, JENS, DE  
[72] LAPRAIS, ANNE-MAUD B., US  
[72] REDINGER, DAVID H., US  
[72] JESME, RONALD D., US  
[72] BADZINSKI, DAVID J., US  
[73] 3M INNOVATIVE PROPERTIES  
COMPANY, US  
[85] 2016-12-19  
[86] 2015-06-18 (PCT/US2015/036345)  
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[30] US (62/014,764) 2014-06-20  
[30] US (PCT/US2014/054905) 2014-09-10  
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C10G 1/08 (2006.01) C10G 31/00  
(2006.01)  
[25] EN  
[54] IMPROVED PROCESSES FOR  
RECOVERING VALUABLE  
COMPONENTS FROM A  
CATALYTIC FAST PYROLYSIS  
PROCESS  
[54] PROCEDES AMELIORES DE  
RECUPERATION DE  
COMPOSANTS DE VALEUR A  
PARTIR D'UN PROCEDE DE  
PYROLYSE RAPIDE  
CATALYTIQUE  
[72] TANZIO, MICHAEL, US  
[72] SORENSEN, CHARLES M., US  
[72] SCHNEIDKRAUT, MARC E., US  
[72] WHITING, JEFFREY P., US  
[73] ANELLOTECH, INC., US  
[85] 2016-12-20  
[86] 2015-07-01 (PCT/US2015/038898)  
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[13] C

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[25] EN  
[54] SYSTEMS AND METHODS FOR  
MEASURING FETAL CEREBRAL  
OXYGENATION  
[54] SYSTEMES ET PROCEDES DE  
MESURE DE L'OXYGENATION  
CEREBRALE FOETALE  
[72] ESENALIEV, RINAT, US  
[72] PROUGH, DONALD, US  
[72] PETROV, YURIY, US  
[72] PETROV, IRENE, US  
[72] SAADE, GEORGE, US  
[72] OLSON, GAYLE L., US  
[72] COOPER, TOMMY G., US  
[73] THE BOARD OF REGENTS OF THE  
UNIVERSITY OF TEXAS SYSTEM,  
US  
[73] NONINVASIX, INC., US  
[85] 2017-01-03  
[86] 2015-07-08 (PCT/US2015/039620)  
[87] (WO2016/007678)  
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<p style="text-align: right;">[11] <b>2,956,316</b> [13] C</p> <p>[51] Int.Cl. C07K 1/34 (2006.01) B01D 15/08 (2006.01) C07K 1/14 (2006.01) C07K 1/16 (2006.01) C07K 1/36 (2006.01) C07K 16/00 (2006.01) C07K 16/30 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR PURIFYING ANTIBODIES</p> <p>[54] PROCEDE DE PURIFICATION D'ANTICORPS</p> <p>[72] MEH, DAVID, US [72] ATOLAGBE, TIMOTHY, US [72] FARQUHARSON, G. MARK, US [72] SHABAN, SAMIR H., US [72] KOLECK, MARY P., US [72] MITRA, GEORGE, US [73] UNITED THERAPEUTICS CORPORATION, US</p> <p>[73] THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US</p> <p>[85] 2017-01-25 [86] 2015-07-27 (PCT/US2015/042241) [87] (WO2016/015048) [30] US (62/028,994) 2014-07-25</p>	<p style="text-align: right;">[11] <b>2,956,752</b> [13] C</p> <p>[51] Int.Cl. G01S 17/933 (2020.01) B64D 45/00 (2006.01) B64D 47/08 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR AIRCRAFT TAXI STRIKE ALERTING</p> <p>[54] METHODE ET SYSTEME D'ALERTE DE COLLISION DE TAXI D'AVION</p> <p>[72] ELL, TODD, US [72] RUTKIEWICZ, ROBERT, US [72] PESIK, JOSEPH T., US [73] ROSEMOUNT AEROSPACE INC., US [86] (2956752) [87] (2956752) [22] 2017-01-30 [30] US (62/324,188) 2016-04-18 [30] US (15/385,224) 2016-12-20</p>	<p style="text-align: right;">[11] <b>2,958,572</b> [13] C</p> <p>[51] Int.Cl. G07F 19/00 (2006.01) G06Q 20/10 (2012.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND COMPUTER-IMPLEMENTED PROCESSES FOR DEPOSITING, WITHDRAWING, AND REUSING CURRENCY FOR PURCHASE TRANSACTIONS USING AN INTELLIGENT TELLER MACHINE</p> <p>[54] SYSTEMES ET PROCESSUS MIS EN OEUVRE PAR ORDINATEUR POUR DEPOSER, RETIRER ET REUTILISER DE L'ARGENT POUR DES TRANSACTIONS D'ACHAT A L'AIDE D'UNE MACHINE DE GUICHET INTELLIGENT</p> <p>[72] NIDERBERG, ALEXANDER L., US [72] KOEPPEL, ADAM R., US [73] CAPITAL ONE SERVICES, LLC, US [85] 2017-02-17 [86] 2015-08-18 (PCT/US2015/045702) [87] (WO2016/028786) [30] US (62/038,479) 2014-08-18</p>
<p style="text-align: right;">[11] <b>2,957,258</b> [13] C</p> <p>[51] Int.Cl. C07K 16/28 (2006.01)</p> <p>[25] EN</p> <p>[54] IMMUNOLOGICAL REAGENTS</p> <p>[54] REACTIFS IMMUNOLOGIQUES</p> <p>[72] PANTALEO, GIUSEPPE, CH [72] FENWICK, CRAIG, CH [73] MABQUEST SA, CH</p> <p>[85] 2017-02-03 [86] 2015-08-05 (PCT/IB2015/055943) [87] (WO2016/020856) [30] US (62/033,177) 2014-08-05 [30] US (62/053,366) 2014-09-22 [30] US (62/093,368) 2014-12-17</p>		

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[25] EN  
[54] IMPROVEMENTS IN AND  
 RELATING TO A CABLE GUARD  
 CABLE RAMP OR CABLE  
 PROTECTOR  
[54] AMELIORATIONS APPORTEES A  
 ET RELATIVES A UN PASSAGE  
 DE CABLE, UNE RAMPE DE  
 CABLE OU UN PROTEGE-CABLE  
[72] GORDON, KEITH FORBES, GB  
[72] ANDERSON, RONNIE, GB  
[72] HUDEC, RADOSLAV, GB  
[73] TEN 47 LIMITED, GB  
[85] 2017-02-20  
[86] 2015-08-20 (PCT/GB2015/000250)  
[87] (WO2016/027053)  
[30] GB (GB1414773.0) 2014-08-20
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[25] EN  
[54] TORQUE LIMITING DEVICE  
[54] DISPOSITIF LIMITEUR DE  
 COUPLE  
[72] DAVIES, STEPHEN, GB  
[73] GOODRICH ACTUATION SYSTEMS  
 LIMITED, GB  
[86] (2960244)  
[87] (2960244)  
[22] 2017-03-06  
[30] EP (16162452.3) 2016-03-24

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 A61K 9/00 (2006.01) A61K 9/50  
 (2006.01)  
[25] EN  
[54] COMPOSITE MATERIALS  
 CONTAINING SURFACE  
 FUNCTIONALIZED  
 MICROCAPSULES  
[54] MICROCAPSULES POUVANT  
 ETRE LIEES ET CHARGES  
 FONCTIONNALISEES A LA  
 SURFACE  
[72] GROSS, STEPHEN M., US  
[72] MCHALE, WILLIAM A., US  
[72] LATTA, MARK A., US  
[73] PREMIER DENTAL PRODUCTS  
 COMPANY, US  
[85] 2017-03-22  
[86] 2015-09-24 (PCT/US2015/051931)  
[87] (WO2016/049308)  
[30] US (62/055,127) 2014-09-25
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[13] C

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[25] EN  
[54] APPARATUS AND METHOD FOR  
 PROVIDING A FLUID SAMPLE IN  
 A WELL  
[54] APPAREIL ET PROCEDE  
 D'OBTENTION D'UN  
 ECHANTILLON FLUIDIQUE  
 DANS UN PUITS  
[72] DYBDAHL, BJORN, NO  
[72] KIRKEROD, TROND, NO  
[73] EXPRO PETROTECH AS, NO  
[85] 2017-03-31  
[86] 2015-09-30 (PCT/NO2015/050178)  
[87] (WO2016/053110)  
[30] NO (20141190) 2014-10-03

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[13] C

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 25/06 (2006.01) F04D 29/28 (2006.01)  
 F24C 15/20 (2006.01)  
[25] EN  
[54] IMPROVED FAN FOR SMOKE  
 AND VAPOUR EXTRACTION  
 SYSTEM, IN PARTICULAR FOR  
 KITCHENS AND EXTRACTION  
 SYSTEM INCORPORATING SUCH  
 A FAN  
[54] VENTILATEUR AMELIORE  
 DESTINE A UN SYSTEME  
 D'EXTRACTION DE FUMEE ET  
 DE VAPEUR, NOTAMMENT DANS  
 LES CUISINES ET SYSTEME  
 D'EXTRACTION INCORPORANT  
 UN TEL VENTILATEUR  
[72] ASTOLFI, ILARIA, XX  
[72] BIOCCO, SIMONE, IT  
[72] CELLI, SIMONE, IT  
[72] FAGINOLI, FRANCESCO, IT  
[72] GALASSI, RAFFAELE, XX  
[73] FABER S.P.A., IT  
[86] (2963663)  
[87] (2963663)  
[22] 2017-04-07  
[30] IT (102016000035918) 2016-04-07

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- [25] EN
- [54] METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR DETERMINING HEMODYNAMIC STATUS PARAMETERS USING SIGNALS DERIVED FROM MULTISPECTRAL BLOOD FLOW AND PERfusion IMAGING
- [54] PROCEDES, SYSTEMES ET PRODUITS DE PROGRAMME INFORMATIQUE POUR DETERMINER DES PARAMETRES D'ETAT HEMODYNAMIQUE AU MOYEN DE SIGNAUX DERIVES D'IMAGERIE MULTISPECTRALE DE CIRCULATION E T PERfusion SANGUINE
- [72] CHEN, CHENG, US
- [72] FERGUSON, THOMAS BRUCE, JR., US
- [72] KIM, SUNGHAN, US
- [72] PENG, ZHIYONG, US
- [72] JACOBS, KENNETH MICHAEL, US
- [73] EAST CAROLINA UNIVERSITY, US
- [85] 2017-04-05
- [86] 2015-10-13 (PCT/US2015/055234)
- [87] (WO2016/061041)
- [30] US (62/063,663) 2014-10-14
- [30] US (62/136,010) 2015-03-20
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 [13] C

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- [25] EN
- [54] LOCKING RELEASE MECHANISM FOR AN ARTICULATED SUPPORT ARM
- [54] MECANISME DE LIBERATION DE VERROUILLAGE DESTINE A UN BRAS DE SUPPORT ARTICULE
- [72] GLASER, ROBERT P., US
- [72] LITTLEFIELD, JOSHUA K., US
- [72] DAUGBJERG, CRISTIAN J., US
- [72] BORLOZ, PAUL R., US
- [73] GCX CORPORATION, US
- [86] (2964553)
- [87] (2964553)
- [22] 2017-04-20
- [30] US (15/142,954) 2016-04-29
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 [13] C

- [51] Int.Cl. H01H 3/02 (2006.01) H01H 3/40 (2006.01) H02B 13/00 (2006.01)
- [25] EN
- [54] ELECTRICAL ENCLOSURE, AND SWITCHING ASSEMBLY AND TRANSFER ASSEMBLY THEREFOR
- [54] ENCEINTE ELECTRIQUE ET MECANISME DE COMMUTATION ET MECANISME DE TRANSFERT ASSOCIE
- [72] ZHANG, XUECHENG, CN
- [72] DARR, MATTHEW RAIN, CN
- [72] GUO, XUAN, CN
- [73] EATON CORPORATION, US
- [86] (2965023)
- [87] (2965023)
- [22] 2017-04-20
- [30] US (15/142,136) 2016-04-29
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- [25] EN
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- [54] BARRIERE UTILISABLE AVEC UN DISPOSITIF D'INTERRUPTION ELECTRIQUE ET STRUCTUREE POUR RESISTER A L'INSERTION DE SONDE AYANT DES DIMENSIONS CONNUES
- [72] JOHNSON, JEFFREY LEE, US
- [73] EATON INTELLIGENT POWER LIMITED, IE
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- [54] VARIANTS DU TRANSPORTEUR DE GAL2 ET LEURS UTILISATIONS
- [72] FARWICK, ALEXANDER, FR
- [72] BOLES, ECKHARD, DE
- [72] SCHADEWEG, VIRGINIA, DE
- [72] KIRCHNER, FERDINAND, DK
- [72] OREB, MISLAV, DE
- [73] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU
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- [25] EN
- [54] HEIGHT-ADJUSTMENT DEVICE AND METHOD FOR OPERATING AN AGITATING DEVICE
- [54] DISPOSITIF DE REGLAGE EN HAUTEUR ET PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN AGITATEUR
- [72] CZWALUK, ANDREAS, DE
- [72] BIERER, JOHANN, DE
- [73] UTS BIOGASTECHNIK GMBH, DE
- [85] 2017-04-28
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**[54] SYSTEMES, DISPOSITIFS ET PROCEDES DE COMMANDE A DISTANCE DE CHARGES EN REPONSE A DES REGLES DE CONFIGURATION ET ACCESSOIRES EN RESEAU**  
 [72] DUSHANE, STEVEN DAVID, US  
 [72] ORANSEL, MUSTAFA, US  
 [73] VENSTAR, LLC., US  
 [85] 2017-05-05  
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**[54] PANNEAU COMPOSITE ET PROCEDE DE FABRICATION DE PANNEAU COMPOSITE**  
 [72] MACKELVIE, WINSTON, CA  
 [73] GRIPMETAL LIMITED, IE  
 [85] 2017-05-15  
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**[54] CRYSTALLINE FORM OF (S)-N-(5-((R)-2-(2,5-DIFLUOROPHENYL)-PYRROLIDIN-1-YL)-PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-3-HYDROXYPYRROLIDINE-1-CARBOXAMIDE HYDROGEN SULFATE**  
**[54] FORME CRISTALLINE D'HYDROGENOSULFATE DE (S)-N-(5-((R)-2-(2,5-DIFLUOROPHENYL)-PYRROLIDIN-1-YL)-PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-3-HYDROXYPYRROLIDINE-1-CARBOXAMIDE**  
 [72] ARRIGO, ALISHA B., US  
 [72] JUENGST, DERRICK, US  
 [72] SHAH, KHALID, US  
 [73] ARRAY BIOPHARMA, INC., US  
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 [25] EN  
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**[54] PARTICULES DE RADIO-EMBOLISATION**  
 [72] BOYD, DANIEL, CA  
 [72] ABRAHAM, ROBERT JOSEPH, CA  
 [72] ZHANG, XIAOFANG, CN  
 [72] LEGERE, SHARON, CA  
 [72] CLARKE, JAMES, CA  
 [73] ABK BIOMEDICAL INC., CA  
 [85] 2017-05-17  
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**[54] PLASMIDS AND METHOD FOR OBTAINING VIRAL PARTICLES**  
**[54] PLASMIDES ET PROCEDE DESTINE A OBTENIR DES PARTICULES VIRALES**  
 [72] BELTRAN PAVEZ, CAROLINA, CL  
 [72] CORTEZ SAN MARTIN, MARCELO, CL  
 [72] SPENCER OSSA, EUGENIO, CL  
 [72] TAMBLEY ZAMORANO, CAROLINA, CL  
 [72] TORO ASCUY, DANIELA, CL  
 [73] UNIVERSIDAD DE SANTIAGO DE CHILE, CL  
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**[54] INHALATION MONITORING SYSTEM AND METHOD**  
**[54] SYSTEME ET PROCEDE DE SURVEILLANCE D'INHALATION**  
 [72] MILTON-EDWARDS, MARK, GB  
 [72] CHRYSTYN, HENRY, GB  
 [72] MORRISON, MARK S., US  
 [72] WEITZEL, DOUGLAS E., US  
 [73] NORTON (WATERFORD) LIMITED, IE  
 [85] 2017-05-31  
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 [54] COMPOSITION LUBRIFIANTE CONTENANT UN COMPOSE DE POLYOL AROMATIQUE OXYALKYLE  
 [72] KUNCHITHAPATHAM, KAMALAKUMARI, US  
 [72] MORETON, DAVID J., GB  
 [72] FAHMY, MOHAMED G., US  
 [72] WALKER, GARY M., GB  
 [72] ROSKI, JAMES P., US  
 [72] ZHANG, YANSHI, US  
 [72] COX, ADAM, US  
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 [73] THE LUBRIZOL CORPORATION, US  
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 [25] EN  
 [54] OLFACTORY LIGANDS  
 [54] LIGANDS OLFACTIFS  
 [72] PICKETT, JOHN ANTHONY, GB  
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 [72] MILLER, DAVID JAMES, GB  
 [72] ALLEMANN, RUDOLF KONRAD, GB  
 [73] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED, GB  
 [73] ROTHAMSTED RESEARCH, GB  
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 [54] MOTEUR DE RECOMMANDATION ET TRADUCTION EN CONTEXTE  
 [72] TSERETOPOULOS, DEAN, CA  
 [72] HARPER, GREGORY RICHARD, CA  
 [72] WALIA, SARABJIT SINGH, CA  
 [72] LEE, JOHN JONG SUK, CA  
 [72] VAN EESBEEK, MICHAEL, CA  
 [72] JAGGA, ARUN VICTOR, CA  
 [73] THE TORONTO-DOMINION BANK, CA  
 [86] (2973277)  
 [87] (2973277)  
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 [25] EN  
 [54] COMBINATION DRUG  
 [54] MEDICAMENT D'ASSOCIATION  
 [72] SAKAMOTO HIROSHI, JP  
 [72] TSUKAGUCHI TOSHIYUKI, JP  
 [73] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP  
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 [54] THREE-AXIS ROTATION SYSTEM AND METHOD  
 [54] SYSTEME ET PROCEDE DE ROTATION A TROIS AXES  
 [72] BUDAGHER, MICHAEL, US  
 [73] OVARD, LLC, US  
 [85] 2017-07-21  
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 [72] RADON, TOMASZ, GB  
 [73] QUEEN MARY UNIVERSITY OF LONDON, GB  
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C12N 15/60 (2006.01) C12P 7/18 (2006.01) C12P 13/00 (2006.01) C12P 13/04 (2006.01) C12P 13/06 (2006.01)
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- [54] MICRO-ORGANISMES GENETIQUEMENT MODIFIES AYANT UNE TOLERANCE AMELIOREE VIS-A-VIS DE LA L-SERINE
- [72] MUNDHADA, HEMANSHU, DK
- [72] NIELSEN, ALEX TOFTGAARD, DK
- [73] CYSBIO APS, DK
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- [54] COMPOSITIONS ET METHODES POUR LA SURVEILLANCE DE LA CONSTRUCTION EN TEMPS REEL ET DU GENIE GENETIQUE BIOMEDICAL DE CHROMOSOMES SYNTHETIQUES DE MAMMIFERE
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- [72] GREENE, AMY, US
- [73] CARRYGENES BIOENGINEERING, US
- [85] 2017-07-31
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- [73] MEDELA HOLDING AG, CH
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- [54] COUPLAGE OXYDATIF AVANCE DU METHANE
- [72] DUGGAL, SUCHIA, US
- [72] RADAELLI, GUIDO, US
- [72] MCCORMICK, JAROD, US
- [72] ARONSON, ANDREW, US
- [72] CIZERON, JOEL, US
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- [54] DRAIN PROFILE DESTINE A UN AERONEF
- [72] CASADO MONTERO, CARLOS, ES
- [72] HERNANZ MANRIQUE, JOSE ANGEL, ES
- [72] MOLINA, ALBERTO, ES
- [73] AIRBUS OPERATIONS S.L., ES
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- [54] PROCEDE DE COMPRESSION D'UNE BANDE DE FIBRES VITREUSES ARTIFICIELLES
- [72] KEMPSTER, VINCENT PAUL, GB
- [73] ROCKWOOL A/S, DK
- [85] 2017-08-14
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- [25] EN
- [54] A PACKAGE FOR AN ACIDIC DIALYSIS FLUID CONCENTRATE CONTAINING CITRATE AND GLUCOSE
- [54] EMBALLAGE POUR UN CONCENTRE DE LIQUIDE DE DIALYSE ACIDE CONTENANT DU CITRATE ET DU GLUCOSE
- [72] MOHAMMED, HUSAM, SE
- [72] WIESLANDER, ANDERS, SE
- [72] HANCOCK, VIKTORIA, SE
- [72] SANDIN, KARIN, SE
- [72] CARLSSON, OLA, SE
- [72] LINDEN, TORBJORN, SE
- [72] SZILAGYI, ANNA, SE
- [73] GAMBRO LUNDIA AB, SE
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[72] FARNIE, STEVEN, GB  
[73] BAKER HUGHES HOLDINGS LLC, US  
[85] 2017-08-24  
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[25] EN  
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[54] EMETTEUR ET PROCEDE DE PERMUTATION DE PARITE DE CELUI-CI  
[72] JEONG, HONG-SIL, KR  
[72] KIM, KYUNG-JOONG, KR  
[72] MYUNG, SE-HO, KR  
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[25] EN  
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[72] POLYMEROPoulos, MIHAEL H., US  
[72] LICAMELE, LOUIS WILLIAM, US  
[73] VANDA PHARMACEUTICALS INC., US  
[85] 2017-09-05  
[86] 2016-03-04 (PCT/US2016/021015)  
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[25] EN  
[54] METHOD AND SYSTEM FOR ASSISTING IMPLANT PLACEMENT IN THIN BONES SUCH AS SCAPULA  
[54] PROCEDE ET SYSTEME POUR AIDER AU PLACEMENT D'UN IMPLANT DANS DES OS MINCES TELS QUE L'OMOPLATE  
[72] VAN KAMPEN, WILLIAM, US  
[72] DUPUIS, KARINE, CA  
[72] NEUROHR, ANSELM JAKOB, CA  
[72] ABIVEN, JEAN-GUILLAUME, CA  
[73] ORTHOSOFT ULC, CA  
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[25] EN  
[54] SYSTEMS AND METHODS FOR AUGMENTED REALITY  
[54] SYSTEMES ET PROCEDES DE REALITE AUGMENTEE  
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[73] MAGIC LEAP, INC., US  
[85] 2017-09-05  
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[25] EN  
[54] ASYMMETRIC BIS-ACRIDINES WITH ANTITUMOUR ACTIVITY AND THEIR USES  
[54] BIS-ACRIDINES ASYMETRIQUES AYANT UNE ACTIVITE ANTITUMORALE ET LEURS UTILISATIONS  
[72] KONOPA, JERZY KAZIMIERZ, PL  
[72] HOROWSKA, BARBARA, PL  
[72] PALUSZKIEWICZ, EWA MARIA, PL  
[72] BOROWA-MAZGAJ, BARBARA, PL  
[72] AUGUSTIN, EWA ANNA, PL  
[72] SKWARSKA, ANNA, PL  
[72] MAZERSKA, ZOFIA, PL  
[73] POLITECHNIKA GDANSKA, PL  
[85] 2017-09-18  
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[54] SYSTEME DE SUPPORT DESTINE AU MATERIEL ENROULE  
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- [73] PARKER-HANNIFIN CORPORATION, US
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- [54] PROCEDE DE DISTRIBUTION DE LIQUIDE POUR SYSTEME RF REFROIDI
- [72] DIPIETRO, JOSEPH, US
- [72] SMITH, MICHAEL G., US
- [73] AVENT, INC., US
- [85] 2018-02-23
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- [72] MCGRATH, STEPHEN T., CA
- [72] KANGAS, KEVIN G., US
- [73] PROPRIETECT L.P., CA
- [85] 2018-02-27
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- [30] US (62/212,109) 2015-08-31
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- [25] EN
- [54] SUGGESTING OBJECT IDENTIFIERS TO INCLUDE IN A COMMUNICATION
- [54] SUGGESTION D'IDENTIFIANT D'OBJETS A INCLURE DANS UNE COMMUNICATION
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- [72] WEINER, MARTIN ERIC, JR., US
- [72] GAVINI, NAVEEN, US
- [73] PINTEREST, INC., US
- [85] 2018-02-27
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- [87] (WO2017/035514)
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- [54] SYSTEME DE DISTRIBUTION DE RESEAU PUBLIC AUTO-ALIMENTE
- [72] BERKCAN, ERTUGRUL, US
- [72] ARTIUCH, ROMAN LEON, US
- [73] NATURAL GAS SOLUTIONS NORTH AMERICA, LLC, US
- [85] 2018-03-08
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  - [25] EN
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  - [54] SECTION DE JOINT D'ETANCHEITE MODULAIRE AVEC PORTS EXTERNAUX POUR CONFIGURER DES CHAMBRES DANS UNE CONFIGURATION EN SERIE OU EN PARALLELE
  - [72] HOWELL, ALAN, US
  - [72] COLLINS, CHARLES, US
  - [72] NOAKES, AARON, US
  - [73] BAKER HUGHES ESP, INC., US
  - [85] 2018-03-08
  - [86] 2016-09-12 (PCT/US2016/051295)
  - [87] (WO2017/044942)
  - [30] US (62/217,654) 2015-09-11
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- [25] EN
- [54] SEALING ARRANGEMENT FOR A VEHICLE
- [54] AGENCEMENT D'ETANCHEITE POUR UN VEHICULE
- [72] HELLHOLM, BJORN, SE
- [72] THOREN, MAX, SE
- [72] SODERBERG, PAR, SE
- [72] SODERHOLM, ANDERS, SE
- [73] BAE SYSTEMS HAGGLUNDS AKTIEBOLAG, SE
- [85] 2018-03-08
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- [87] (WO2017/044026)
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  - [25] EN
  - [54] AGRICULTURAL PESTICIDE FORMULATIONS COMPRISING A DISPERSANT
  - [54] FORMULATIONS DE PESTICIDE AGRICOLE COMPRENANT UN DISPERSANT
  - [72] STERN, ALAN J., US
  - [72] MEREDITH, MATTHEW T., US
  - [72] WANG, ZHIDONG, CN
  - [72] BROWN, ROWAN, AU
  - [73] INDORAMA VENTURES OXIDES LLC, US
  - [85] 2018-03-08
  - [86] 2017-02-22 (PCT/US2017/018860)
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  - [30] US (62/305,163) 2016-03-08
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- [25] EN
- [54] PLANTS WITH REDUCED ASPARAGINE CONTENT
- [54] PLANTES A TENEUR EN ASPARAGINE REDUITE
- [72] BOVET, LUCIEN, CH
- [73] PHILIP MORRIS PRODUCTS S.A., CH
- [85] 2018-03-09
- [86] 2016-09-06 (PCT/EP2016/070972)
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  - [25] EN
  - [54] SUNSCREEN COMPOSITIONS COMPRISING SUPERHYDROPHILIC AMPHIPHILIC COPOLYMERS
  - [54] COMPOSITIONS D'ECRAN SOLAIRE COMPRENANT DES COPOLYMERES AMPHIPHILES SUPERHYDROPHILES
  - [72] DALY, SUSAN, US
  - [72] MAITRA, PRITHWIRAJ, US
  - [72] SETIAWAN, BARRY, US
  - [73] JOHNSON & JOHNSON CONSUMER INC., US
  - [85] 2018-03-12
  - [86] 2016-09-07 (PCT/US2016/050473)
  - [87] (WO2017/048556)
  - [30] US (14/858,181) 2015-09-18
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[13] C

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- [25] FR
- [54] MANAGEMENT OF A DISPLAY OF A VIEW OF AN APPLICATION ON A SCREEN OF AN ELECTRONIC DATA INPUT DEVICE, CORRESPONDING METHOD, DEVICE AND COMPUTER PROGRAM PRODUCT
- [54] GESTION D'UN AFFICHAGE D'UNE VUE D'UNE APPLICATION SUR UN ECRAN D'UN DISPOSITIF ELECTRONIQUE DE SAISIE DE DONNEES, PROCEDE, DISPOSITIF ET PRODUIT PROGRAMME D'ORDINATEUR CORRESPONDANTS
- [72] GERAUD, REMI, FR
- [72] KOUDOSSI, HIBA, FR
- [73] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
- [85] 2018-03-15
- [86] 2016-09-15 (PCT/EP2016/071897)
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[25] EN  
[54] DEVICE FOR AUTOMATED INSERTION OF PENETRATING MEMBER  
[54] DISPOSITIF POUR L'INSERTION AUTOMATISEE D'UN ELEMENT DE PENETRATION  
[72] RENNICKS, KENNETH WAYNE, US  
[72] HERLIHY, JAMES PATRICK, US  
[72] BAGWELL, ROGER B., US  
[72] CLEMENT, RYAN S., US  
[72] MEEHAN, ANDREW J., US  
[72] MULVIHILL, MAUREEN L., US  
[72] SCRUGGS, CASEY A., US  
[72] SNOOK, KEVIN A., US  
[72] COHN, WILLIAM E., US  
[73] EX MACHINA MEDICAL, LLC, US  
[73] ACTUATED MEDICAL, INC., US  
[73] BAYLOR COLLEGE OF MEDICINE, US  
[73] TEXAS HEART INSTITUTE, US  
[85] 2018-03-16  
[86] 2016-09-16 (PCT/US2016/052228)  
[87] (WO2017/049146)  
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[13] C

- [51] Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)  
[25] EN  
[54] ANTI-OX40 ANTIBODIES AND DIAGNOSTIC USES THEREOF  
[54] ANTICORPS ANTI-OX40 ET LEURS UTILISATIONS DIAGNOSTIQUES  
[72] ZHU, YIFEI, US  
[72] ZHIMING, LIAO, US  
[72] PYTEL, ROBERT, US  
[73] VENTANA MEDICAL SYSTEMS, INC., US  
[85] 2018-03-21  
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[13] C

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[54] DERIVES DE QUINOXALINE ET PYRIDOPYRAZINE COMME INHIBITEURS DE PI3K-BETA

- [72] ANGIBAUD, PATRICK RENE, FR  
[72] QUEROLLE, OLIVIER ALEXIS GEORGES, FR  
[72] BERTHELOT, DIDIER JEAN-CLAUDE, FR  
[72] MEYER, CHRISTOPHE, FR  
[72] WILLOT, MATTHIEU PHILIPPE VICTOR, DE  
[72] MEERPOEL, LIEVEN, BE  
[72] JOUSSEAUME, THIERRY FRANCOIS ALAIN JEAN, CH  
[73] JANSEN PHARMACEUTICA NV, BE  
[85] 2018-03-23  
[86] 2016-10-07 (PCT/EP2016/073962)  
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[30] EP (15189163.7) 2015-10-09  
[30] EP (16174710.0) 2016-06-16

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[13] C

- [51] Int.Cl. B08B 15/00 (2006.01) B05B 16/60 (2018.01) B60S 5/00 (2006.01) F24F 7/007 (2006.01)  
[25] EN  
[54] WORK BOOTH SAFETY SYSTEM FOR AN AUTOMOTIVE BODY REPAIR SHOP  
[54] SYSTEME DE SECURITE DE CABINE DE TRAVAIL POUR ATELIER DE REPARATION DE CARROSSERIE AUTOMOBILE  
[72] PIHLBLAD, RONNY, SE  
[73] PIVAB AB, SE  
[85] 2018-03-23  
[86] 2016-09-21 (PCT/SE2016/050885)  
[87] (WO2017/058075)  
[30] SE (1530144-3) 2015-09-29
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[13] C

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[25] EN  
[54] WOOD PARTICLE BOARDS  
[54] PANNEAUX DE PARTICULES DE BOIS  
[72] HAND, RICHARD, GB  
[73] KNAUF INSULATION SPRL, BE  
[85] 2018-04-03  
[86] 2016-10-07 (PCT/EP2016/074031)  
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[13] C

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[25] EN  
[54] POWER SWIVEL AND LUBRICATION SYSTEM  
[54] TETE ORIENTABLE ET SYSTEME DE LUBRIFICATION  
[72] WALKER, CHRISTOPHER BRIAN, US  
[72] DO, HENRY, US  
[72] PAPP, ROBERT IOAN, US  
[72] PUSCAS, MIHAIL, US  
[72] BLANKENSHIP, CALVIN RONALD, US  
[73] NATIONAL OILWELL VARCO, L.P., US  
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- [25] EN
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- [54] DERIVES D'INDOLINE-2-ONE
- [72] GAUFRETEAU, DELPHINE, FR
- [72] KOLCZEWSKI, SABINE, DE
- [72] PLANCHER, JEAN-MARC, FR
- [72] STOLL, THEODOR, CH
- [72] HALM, REMY, FR
- [73] F.HOFFMANN-LA ROCHE AG, CH
- [85] 2018-04-18
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- [87] (WO2017/076852)
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- [25] EN
- [54] USE OF (R)-2-(7-(4-CYCLOPENTYL-3-(TRIFLUOROMETHYL)BENZYLXY)-1,2,3,4-TETRAHYDROCYCLOPENTA[B]INDOL-3-YL)ACETIC ACID FOR TREATING CONDITIONS RELATED TO THE SIP1 RECEPTOR
- [54] UTILISATION DE (R)-2-(7-(4-CYCLOPENTYL-3-(TRIFLUOROMETHYL)BENZYL OXY)-1,2,3,4-TETRAHYDROCYCLOPENTA[B]INDOL-3-YL)ACIDE ACETIQUE POUR LE TRAITEMENT DE CONDITIONS LIEES AU RECEPTEUR SIP1
- [72] GLICKLICH, ALAN, US
- [72] KAM, MARIA MATILDE SANCHEZ, US
- [72] SHANAHAN, WILLIAM R., US
- [73] ARENA PHARMACEUTICALS, INC., US
- [85] 2018-04-18
- [86] 2016-01-06 (PCT/US2016/012289)
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- [30] US (62/100,362) 2015-01-06
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- [51] Int.Cl. G01S 17/89 (2020.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR IMPERVIOUS SURFACE DETECTION AND CLASSIFICATION
- [54] SYSTEMES ET METHODES DE DETECTION ET CLASSEMENT DE SURFACE IMPERMEABLE
- [72] NGOROI, DANIEL K., US
- [73] WOOLPERT, INC., US
- [86] (3002805)
- [87] (3002805)
- [22] 2018-04-25
- [30] US (15/906,196) 2018-02-27

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- [25] EN
- [54] METHOD AND SYSTEM FOR VALIDATION OF HASHED DATA VIA ACCEPTANCE FRAMES
- [54] PROCEDE ET SYSTEME DE VALIDATION DE DONNEES HACHEES VIA DES TRAMES D'ACCEPTATION
- [72] DAVIS, STEVEN C., US
- [73] MASTERCARD INTERNATIONAL INCORPORATED, US
- [85] 2018-05-07
- [86] 2016-11-02 (PCT/US2016/060005)
- [87] (WO2017/083143)
- [30] US (14/938,213) 2015-11-11

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- [25] EN
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- [54] APPAREIL ET PROCEDE POUR ELECTRODESINFECTION
- [72] BEN SALAH, IHSEN, CA
- [72] LAAROUSSI, MOHAMED, CA
- [73] E2METRIX INC., CA
- [85] 2018-04-26
- [86] 2016-10-31 (PCT/CA2016/051265)
- [87] (WO2017/070798)
- [30] CA (2910853) 2015-10-30

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- [25] EN
- [54] NUCLEAR IMPLANT APPARATUS
- [54] APPAREIL D'IMPLANT NUCLEAIRE
- [72] HIBRI, NADI S., US
- [72] FRANCIS, W. LOREN, US
- [72] NOVOTNY, MARK A., US
- [73] SPINAL STABILIZATION TECHNOLOGIES LLC, US
- [85] 2018-05-07
- [86] 2016-11-03 (PCT/US2016/060224)
- [87] (WO2017/079367)
- [30] US (14/934,987) 2015-11-06

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- [25] EN
- [54] COMPACTED HEMOSTATIC CELLULOSIC AGGREGATES
- [54] AGREGATS CELLULOSIQUES HEMOSTATIQUES COMPACTES
- [72] WANG, YI-LAN, US
- [73] ETHICON, INC., US
- [85] 2018-05-03
- [86] 2016-10-28 (PCT/US2016/059429)
- [87] (WO2017/079059)
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[25] EN

[54] FUSED PYRIMIDINES AS ISOFORM SELECTIVE PHOSPHOINOSITIDE-3-KINASE-ALPHA INHIBITORS AND PROCESS FOR PREPARATION THEREOF  
[54] PYRIMIDINES FUSIONNEES UTILISEES COMME INHIBITEURS DE LA PHOSPHOINOSITIDE 3-KINASE ALPHA SELECTIFS D'UNE ISOFORME ET LEUR PROCEDE DE PREPARATION

[72] BHARATE, SANDIP BIBISHAN, IN  
[72] BHUSHAN, SHASHI, IN  
[72] MOHAMMED, SHABBER, IN  
[72] GURU, SANTOSH KUMAR, IN  
[72] BHARATE, SONALI SANDIP, IN  
[72] KUMAR, VIKAS, IN  
[72] MAHAJAN, GIRISH, IN  
[72] MINTOO, MUBASHIR JAVED, IN  
[72] MONDHE, DILIP MANIKRAO, IN  
[72] VISHWAKARMA, RAM, IN  
[73] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN  
[85] 2018-05-07  
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[30] IN (3818/DEL/2015) 2015-11-23

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[13] C

[51] Int.Cl. F41H 5/20 (2006.01) F41A 23/20 (2006.01) F41A 23/24 (2006.01) F41H 5/16 (2006.01) F41H 7/04 (2006.01)

[25] EN

[54] TURRET HAVING A MUNITION GUIDANCE DEVICE PROTECTION  
[54] TOURELLE COMPORTANT UNE PROTECTION DE DISPOSITIF DE GUIDAGE DE MUNITIONS  
[72] PELLEGRI, MAURO, IT  
[73] LEONARDO S.P.A., IT  
[85] 2018-05-11  
[86] 2016-11-08 (PCT/IB2016/056704)  
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[11] 3,005,596  
[13] C

[51] Int.Cl. E21B 29/00 (2006.01) E21B 17/00 (2006.01) E21B 29/06 (2006.01)

[25] EN

[54] WATERMELON MILL WITH REPLACEABLE CUTTING STRUCTURE  
[54] FRAISE DE TYPE WATERMELON A STRUCTURE DE COUPE REMPLACABLE  
[72] HEM, GREGORY L., US  
[72] HEM, CHRISTOPHER R., US  
[73] BAKER HUGHES HOLDINGS LLC, US  
[85] 2018-05-16  
[86] 2016-10-14 (PCT/US2016/057054)  
[87] (WO2017/087102)  
[30] US (14/944,995) 2015-11-18

[11] 3,005,688  
[13] C

[51] Int.Cl. C01G 49/08 (2006.01)

[25] EN

[54] PREPARATION OF MAGNETITE FROM FERROUS CHLORIDE SUBSEQUENT TO SULPHATE REMOVAL BY ION-EXCHANGE  
[54] PREPARATION DE MAGNETITE A PARTIR DE CHLORURE FERREUX APRES ELIMINATION DU SULFATE PAR ECHANGE D'IONS  
[72] KHUMSA-ANG, KITTIMA, CA  
[72] TURNER, CARL W., CA  
[72] QIAN, JING, CA  
[73] ATOMIC ENERGY OF CANADA LIMITED / ENERGIE ATOMIQUE DU CANADA LIMITEE, CA  
[85] 2018-05-17  
[86] 2016-11-17 (PCT/CA2016/051342)  
[87] (WO2017/083974)  
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[11] 3,006,475  
[13] C

[51] Int.Cl. G01M 3/20 (2006.01) G01N 1/22 (2006.01)

[25] EN

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[54] SONDE DE TEST POUR FILTRE  
[72] MAHLER, AXEL, DE  
[72] ADDINGTON, RICHARD, CN  
[72] HEDLUND, KENNY, SE  
[73] CAMFIL AB, SE  
[85] 2018-05-28  
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[87] (WO2017/114657)  
[30] SE (1551716-2) 2015-12-28

[11] 3,006,489  
[13] C

[51] Int.Cl. A63B 71/06 (2006.01) A63B 71/14 (2006.01)

[25] EN

[54] TOOL FOR RECORDING NUMBER OF SWINGS IN BALL GAME  
[54] OUTIL D'ENREGISTREMENT DU NOMBRE DE COUPS DANS UN JEU DE BALLE  
[72] WATANABE, MASAEI, JP  
[73] TOUCH ONE CORPORATION, JP  
[85] 2018-05-25  
[86] 2016-09-02 (PCT/JP2016/075835)  
[87] (WO2017/098761)  
[30] JP (2015-241908) 2015-12-11

[11] 3,006,628  
[13] C

[51] Int.Cl. F04C 25/02 (2006.01) B01D 46/24 (2006.01) F04C 18/344 (2006.01) F04C 29/12 (2006.01)

[25] FR

[54] VACUUM PUMP WITH FILTERING ELEMENT  
[54] POMPE A VIDE AVEC ELEMENT FILTRANT  
[72] SCHALLER, CHRISTIAN, CH  
[72] LAVERSIN, YANNICK, FR  
[72] LIPPELT, ERIK, DE  
[72] EIBISCH, JAN, DE  
[73] ATELIERS BUSCH SA, CH  
[85] 2018-05-28  
[86] 2016-12-01 (PCT/EP2016/079509)  
[87] (WO2017/093441)  
[30] EP (PCT/EP2015/078226) 2015-12-01

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[25] EN  
[54] TETHERED BALLAST SYSTEMS FOR POINT ABSORBING WAVE ENERGY CONVERTERS AND METHOD OF USE THEREOF  
[54] SYSTEMES DE BALLAST AMARRES POUR CONVERTISSEURS D'ENERGIE DES VAGUES A ABSORBEUR PONCTUEL ET LEUR PROCEDE D'UTILISATION  
[72] MACDONALD, DANIEL G., US  
[73] UNIVERSITY OF MASSACHUSETTS, US  
[85] 2018-06-11  
[86] 2016-12-09 (PCT/US2016/065840)  
[87] (WO2017/100582)  
[30] US (62/266,217) 2015-12-11

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[11] 3,008,526  
[13] C

[51] Int.Cl. A61N 5/06 (2006.01)  
[25] FR  
[54] DEVICE FOR OPTICALLY STIMULATING THE BRAIN VIA AN OPTICAL FIBER  
[54] DISPOSITIF POUR LA STIMULATION OPTIQUE DU CERVEAU AU MOYEN D'UNE FIBRE OPTIQUE  
[72] CHABROL, CLAUDE, FR  
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR  
[85] 2018-06-14  
[86] 2016-12-07 (PCT/FR2016/053249)  
[87] (WO2017/103381)  
[30] FR (1562525) 2015-12-16

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[13] C

[51] Int.Cl. A01B 59/04 (2006.01) A01B 73/00 (2006.01) B60D 1/24 (2006.01) B60D 1/58 (2006.01)  
[25] EN  
[54] HITCH ASSEMBLY FOR TOWING A SECOND AGRICULTURAL IMPLEMENT BEHIND A FIRST AGRICULTURAL IMPLEMENT  
[54] ENSEMBLE D'ATTELAGE POUR REMORQUER UNE DEUXIEME MACHINE AGRICOLE DERRIERE UNE PREMIERE MACHINE AGRICOLE  
[72] PRIDMORE, JEFF, CA  
[72] THIELICKE, RENE, DR., DE  
[73] DEGELMAN INDUSTRIES LP, CA  
[86] (3008598)  
[87] (3008598)  
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[13] C

[51] Int.Cl. B60R 11/06 (2006.01) B60R 3/02 (2006.01) E06C 5/44 (2006.01) E06C 7/14 (2006.01)  
[25] EN  
[54] VEHICLE ACCESS DEVICE MOUNTED HOLDER FOR EQUIPMENT  
[54] SUPPORT MONTE DE DISPOSITIF D'ACCES DE VEHICULE POUR EQUIPEMENT  
[72] ELLEMENT, NATHAN, AU  
[73] BARJOH PTY LTD, AU  
[85] 2018-06-22  
[86] 2016-12-20 (PCT/AU2016/051261)  
[87] (WO2017/106910)  
[30] AU (2015905321) 2015-12-22

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[13] C

[51] Int.Cl. H01S 5/024 (2006.01) H01S 5/068 (2006.01) H01S 5/40 (2006.01)  
[25] EN  
[54] HEATER-ON-HEATSPREADER  
[54] RECHAUFFEUR SUR DISSIPATEUR THERMIQUE  
[72] TREESE, DEREK, US  
[72] KOSLOWSKI, NICOLAS, DE  
[72] LEGGE, MICHAEL, DE  
[72] ZELLER, WOLFGANG, DE  
[73] AUTOMOTIVE COALITION FOR TRAFFIC SAFETY, INC., US  
[85] 2018-07-03  
[86] 2016-11-04 (PCT/US2016/060622)  
[87] (WO2017/119944)  
[30] US (62/274,543) 2016-01-04

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[13] C

[51] Int.Cl. B01J 19/00 (2006.01) B01D 9/02 (2006.01) B01J 14/00 (2006.01) C01F 7/34 (2006.01) C01F 11/18 (2006.01) C01G 9/02 (2006.01) C07C 227/42 (2006.01) C07C 229/08 (2006.01)  
[25] EN  
[54] DEVICE FOR PRODUCING PARTICLES AND METHOD FOR PRODUCING PARTICLES  
[54] DISPOSITIF DE PRODUCTION DE PARTICULES ET PROCEDE DE PRODUCTION DE PARTICULES  
[72] DOYA, YO, JP  
[73] TSUKISHIMA KIKAI CO., LTD., JP  
[85] 2018-07-23  
[86] 2017-01-11 (PCT/JP2017/000531)  
[87] (WO2017/130687)  
[30] JP (2016-013593) 2016-01-27

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[13] C

[51] Int.Cl. A42B 3/22 (2006.01) A42B 3/04 (2006.01)  
[25] EN  
[54] HELMET, MOUNTING SYSTEM FOR A HELMET AND METHOD OF USING SAME  
[54] CASQUE, SYSTEME POUR FIXER SUR UN CASQUE ET MODE D'UTILISATION  
[72] LEVESQUE, JEAN-SIMON, CA  
[72] BOUCHARD FORTIN, NICOLAS, CA  
[72] GILBERT, ETIENNE, CA  
[72] DION, STEPHANE, CA  
[73] KIMPEX INC., CA  
[86] (3012640)  
[87] (3012640)  
[22] 2018-07-27

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[13] C

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[25] EN  
[54] DOCKING STATION FOR AN ENTERAL FEEDING DEVICE  
[54] STATION D'ACCUEIL POUR DISPOSITIF D'ALIMENTATION ENERALE  
[72] THOMPSON, TOMAS MARTIN, IE  
[72] MAYNE, DONAL, IE  
[72] KELLY, DAMIAN, IE  
[73] ROCKFIELD MEDICAL DEVICES LIMITED, IE  
[85] 2018-07-31  
[86] 2017-02-15 (PCT/EP2017/053408)  
[87] (WO2017/140731)  
[30] EP (16155762.4) 2016-02-15  
[30] EP (16155765.7) 2016-02-15  
[30] EP (16204889.6) 2016-12-16

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[13] C

- [51] Int.Cl. A41B 11/00 (2006.01)  
[25] EN  
[54] SPORTS SOCK WITH SUCKERS FOR GRIPPING AND AIRFLOW  
[54] BAS DE SPORT COMPRENANT DES VENTOUSES POUR L'ADHERENCE ET LA CIRCULATION D'AIR  
[72] MCCUAIG, RONALD, GB  
[73] MCCUAIG, RONALD, GB  
[85] 2018-04-17  
[86] 2016-11-21 (PCT/GB2016/053614)  
[87] (WO2017/085514)  
[30] GB (1520382.1) 2015-11-19  
[30] GB (1604840.7) 2016-03-22

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[13] C

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[25] EN  
[54] GAS DIFFUSION ELECTRODE BASE, LAMINATE AND FUEL CELL  
[54] BASE D'ELECTRODE A DIFFUSION DE GAZ, STRATIFIÉ ET PILE A COMBUSTIBLE  
[72] UTSUNOMIYA, MASAMICHI, JP  
[72] TANIMURA, YASUAKI, JP  
[72] KAMAE, TOSHIYA, JP  
[72] URAI, JUNICHI, JP  
[73] TORAY INDUSTRIES, INC., JP  
[85] 2018-08-21  
[86] 2017-03-27 (PCT/JP2017/012306)  
[87] (WO2017/170355)  
[30] JP (2016-065132) 2016-03-29

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[13] C

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[25] EN  
[54] HIGH PRESSURE CLEANING LANCE DRIVE SAFETY APPARATUS  
[54] APPAREIL DE SECURITE POUR L'ACTIONNEMENT DE LANCE DE NETTOYAGE HAUTE PRESSION  
[72] BARNES, JEFFERY R., US  
[72] GALBRAITH, STEPHEN L., US  
[72] SCHNEIDER, JOSEPH, US  
[73] STONEAGE, INC., US  
[85] 2018-08-31  
[86] 2017-03-14 (PCT/US2017/022294)  
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[30] US (62/313,438) 2016-03-25

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[13] C

- [51] Int.Cl. H04W 72/044 (2023.01)  
[25] EN  
[54] RANDOM ACCESS RESOURCE UNIT ALLOCATION FOR A MULTIPLE BSSID NETWORK  
[54] ALLOCATION D'UNITE DE RESSOURCE D'ACCES ALEATOIRE POUR UN RESEAU A IDENTIFICATION DE MULTIPLES ENSEMBLES DE SERVICES DE BASE (BSSID)  
[72] ASTERJADHI, ALFRED, US  
[72] CHO, JAMES, US  
[72] CHERIAN, GEORGE, US  
[72] MERLIN, SIMONE, US  
[73] QUALCOMM INCORPORATED, US  
[85] 2018-09-05  
[86] 2017-04-10 (PCT/US2017/026809)  
[87] (WO2017/180515)  
[30] US (62/322,772) 2016-04-14  
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  - [54] **HOOKAH WITH PRESSURE-ACTUATED CHECK VALVE**
  - [54] **HOUKA COMPRENANT UN CLAPET DE NON-RETOUR A COMMANDÉ HYDRAULIQUE**
  - [72] MEHIO, NIZAR YOUSSEF, LB
  - [73] MYA SARAY, LLC, US
  - [85] 2018-09-05
  - [86] 2017-02-28 (PCT/US2017/019825)
  - [87] (WO2017/155733)
  - [30] US (15/063,503) 2016-03-07
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[13] C

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- [25] EN
- [54] **USE OF EMULSIFIER IN COLLECTOR COMPOSITION**
- [54] **UTILISATION D'UN EMULSIFIANT DANS UNE COMPOSITION DE COLLECTEURS**
- [72] NORDBERG, HENRIK, SE
- [72] SMOLKO-SCHVARZMAYR, NATALIJA, SE
- [72] SVENSSON, MAGNUS, SE
- [73] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
- [85] 2018-09-05
- [86] 2017-03-20 (PCT/EP2017/056516)
- [87] (WO2017/162563)
- [30] EP (16161733.7) 2016-03-22

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[13] C

- [51] Int.Cl. C07C 311/00 (2006.01) C07C 317/14 (2006.01) C07C 317/26 (2006.01) C07D 209/04 (2006.01) C07D 239/26 (2006.01)
- [25] EN
- [54] **BENZENESULFONYL-ASYMMETRIC UREAS AND MEDICAL USES THEREOF**
- [54] **UREES ASYMETRIQUES DE BENZENESULFONYLE ET LEURS UTILISATIONS MEDICALES**
- [72] GIULIANO, CLAUDIO, IT
- [72] DAINA, ANTOINE, CH
- [72] PIETRA, CLAUDIO, IT
- [73] HELSINN HEALTHCARE SA, CH
- [85] 2018-09-07
- [86] 2017-02-21 (PCT/EP2017/053937)
- [87] (WO2017/162390)
- [30] US (62/311,573) 2016-03-22

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[13] C

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- [25] EN
- [54] **EXTERNAL ULTRASOUND GENERATING TREATING DEVICE FOR SPINAL CORD AND SPINAL NERVES TREATMENT, APPARATUS COMPRISING SUCH DEVICE AND METHOD IMPLEMENTING SUCH DEVICE**
- [54] **DISPOSITIF DE TRAITEMENT EXTERNE GENERANT DES ULTRASONS POUR LE TRAITEMENT DE LA MOELLE EPINIÈRE ET DES NERFS RACHIDIENS, APPAREIL COMPRENANT UN TEL DISPOSITIF ET MÉTHODE METTANT EN OEUVRE UN TEL DISPOSITIF**
- [72] CARPENTIER, ALEXANDRE, FR
- [73] SORBONNE UNIVERSITÉ, FR
- [73] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
- [85] 2018-08-28
- [86] 2016-03-11 (PCT/IB2016/000431)
- [87] (WO2017/153799)

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[13] C

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- [25] EN
- [54] **NETWORK REQUEST HANDLING BASED ON OPTICALLY-TRANSMITTED CODES**
- [54] **GESTION DE DEMANDES SUR UN RESEAU BASEE SUR DES CODES TRANSMIS OPTIQUEMENT**
- [72] KIMSEY-LIN, MELANIE L., US
- [72] CALLAHAN, KEVIN S., US
- [73] THE BOEING COMPANY, US
- [86] (3017922)
- [87] (3017922)
- [22] 2018-09-19
- [30] US (15/727210) 2017-10-06

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[13] C

- [51] Int.Cl. A23L 11/30 (2016.01) C12P 19/14 (2006.01)
- [25] EN
- [54] **A METHOD AND COMPOSITION COMPRISING HYDROLYZED STARCH**
- [54] **PROCEDE ET COMPOSITION COMPRENANT DE L'AMIDON HYDROLYSE**
- [72] CARDER, GARY, US
- [72] CHATEL, ROBERT E., US
- [72] CHUNG, YONGSOO, US
- [72] FRENCH, JUSTIN A., US
- [72] TWOMBLY, WESLEY, US
- [73] THE QUAKER OATS COMPANY, US
- [85] 2018-09-20
- [86] 2017-03-22 (PCT/US2017/023640)
- [87] (WO2017/165553)
- [30] US (15/077,758) 2016-03-22

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  - [25] EN
  - [54] QUOTIDIAN SCENE RECONSTRUCTION ENGINE
  - [54] MOTEUR DE RECONSTRUCTION DE SCENES QUOTIDIENNES
  - [72] ACKERSON, DAVID SCOTT, US
  - [72] MEAGHER, DONALD J., US
  - [72] LEFFINGWELL, JOHN K., US
  - [72] DANIILIDIS, KOSTAS, US
  - [73] QUIDIENT, LLC, US
  - [85] 2018-09-20
  - [86] 2017-04-11 (PCT/US2017/026994)
  - [87] (WO2017/180615)
  - [30] US (62/321,564) 2016-04-12
  - [30] US (62/352,379) 2016-06-20
  - [30] US (62/371,494) 2016-08-05
  - [30] US (62/420,797) 2016-11-11
  - [30] US (62/427,603) 2016-11-29
  - [30] US (62/430,804) 2016-12-06
  - [30] US (62/456,397) 2017-02-08
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  - [25] EN
  - [54] IMPLEMENTS AND APPLICATION UNITS HAVING AT LEAST ONE FLEXIBLE OR PIVOTING APPLICATION MEMBER FOR PLACEMENT OF APPLICATIONS WITH RESPECT TO AGRICULTURAL PLANTS OF AGRICULTURAL FIELDS
  - [54] OUTILS ET UNITES D'APPLICATION AYANT AU MOINS UN ELEMENT D'APPLICATION SOUPLE OU PIVOTANT POUR LA MISE EN PLACE D'APPLICATIONS EN LIEN AVEC DES PLANTES AGRICOLES DE CHAMPS AGRICOLES
  - [72] STOLLER, JASON, US
  - [72] RADTKE, IAN, US
  - [73] PRECISION PLANTING LLC, US
  - [85] 2018-09-26
  - [86] 2017-04-18 (PCT/US2017/028190)
  - [87] (WO2017/184641)
  - [30] US (62/324,095) 2016-04-18
  - [30] US (62/365,824) 2016-07-22
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- [51] Int.Cl. A21D 2/16 (2006.01) A23L 33/10 (2016.01)
  - [25] EN
  - [54] METHOD FOR THE PREPARATION OF A MONOGLYCERIDE HYDRATE PRODUCT
  - [54] PROCEDE DE PREPARATION D'UN PRODUIT D'HYDRATE DE MONOGLYCERIDES
  - [72] BOTT, JEFF BRADLEY, US
  - [72] DOUCET, JIMMY RAY, US
  - [73] CARAVAN INGREDIENTS INC., US
  - [85] 2018-10-10
  - [86] 2017-04-14 (PCT/US2017/027527)
  - [87] (WO2017/180935)
  - [30] US (62/323,074) 2016-04-15
  - [30] EP (16165612.9) 2016-04-15
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- [51] Int.Cl. G06F 17/00 (2019.01) G06F 16/22 (2019.01) G06F 16/25 (2019.01) G06F 40/143 (2020.01)
- [25] EN
- [54] ENHANCED METADATA COLLECTION AND OUTPUT
- [54] COLLECTE ET SORTIE DE METADONNEES ENRICHIES
- [72] SILKEY, ROBERT, US
- [72] RICASA, TED, US
- [72] ZUBATIY, SERGIY, US
- [72] HAWKINS, JEREMY MICHAEL, US
- [72] CHERRY, CHRISTOPHER, US
- [73] EINSTEIN INDUSTRIES, INC., US
- [85] 2018-10-11
- [86] 2016-04-29 (PCT/US2016/030234)
- [87] (WO2016/179031)
- [30] US (62/156,111) 2015-05-01

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[13] C

- [51] Int.Cl. A47K 5/12 (2006.01) G01F 11/00 (2006.01) G01F 13/00 (2006.01) G01F 15/02 (2006.01)
  - [25] EN
  - [54] METHOD AND APPARATUS FOR CALIBRATING REMAINING DOSES OF PRODUCT IN A REFILLABLE DISPENSER
  - [54] PROCEDE ET APPAREIL D'ETALONNAGE DE DOSES RESTANTES DE PRODUIT DANS UN DISTRIBUTEUR RECHARGEABLE
  - [72] MOORE, MARK W., US
  - [73] GOJO INDUSTRIES, INC., US
  - [85] 2018-10-11
  - [86] 2017-05-16 (PCT/US2017/032783)
  - [87] (WO2017/200965)
  - [30] US (62/337,462) 2016-05-17
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[13] C

- [51] Int.Cl. A24F 40/46 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01) A24F 40/44 (2020.01) H05B 3/42 (2006.01)
- [25] EN
- [54] AEROSOL DELIVERY DEVICE, AND ASSOCIATED APPARATUS AND METHOD OF FORMATION THEREOF
- [54] DISPOSITIF D'ADMINISTRATION D'AEROSOL, ET APPAREIL ASSOCIE ET PROCEDE DE FORMATION ASSOCIE
- [72] SUR, RAJESH, US
- [73] RAI STRATEGIC HOLDINGS, INC., US
- [85] 2018-10-16
- [86] 2017-04-19 (PCT/IB2017/052260)
- [87] (WO2017/182971)
- [30] US (15/133,916) 2016-04-20

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[25] EN  
[54] ENABLEMENT OF DEVICE  
 POWER-ON WITH PROPER  
 ASSEMBLY  
[54] ACTIVATION DE LA MISE SOUS  
 TENSION D'UN DISPOSITIF AVEC  
 UN ENSEMBLE APPROPRIÉ  
[72] PENNY, JUNIUS, US  
[72] MEHTA, AGUSTYA, US  
[72] LUKOFSKY, DAVID, US  
[72] SHOYKHET, EUGENE, US  
[73] MICROSOFT TECHNOLOGY  
 LICENSING, LLC, US  
[85] 2018-10-16  
[86] 2017-04-28 (PCT/US2017/029990)  
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[30] US (15/144,088) 2016-05-02
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[13] C

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 (2014.01) H04N 19/184 (2014.01)  
 H04N 19/423 (2014.01)  
[25] EN  
[54] SUBSTREAM MULTIPLEXING  
 FOR DISPLAY STREAM  
 COMPRESSION  
[54] MULTIPLEXAGE DE SOUS-FLUX  
 POUR UNE COMPRESSION DE  
 FLUX D'AFFICHAGE  
[72] THIRUMALAI,  
 VIJAYARAGHAVAN, US  
[72] JACOBSON, NATAN HAIM, US  
[72] JOSHI, RAJAN LAXMAN, US  
[73] QUALCOMM INCORPORATED, US  
[85] 2018-10-24  
[86] 2017-06-09 (PCT/US2017/036772)  
[87] (WO2017/214515)  
[30] US (62/347,964) 2016-06-09  
[30] US (62/359,586) 2016-07-07  
[30] US (62/416,016) 2016-11-01  
[30] US (15/617,844) 2017-06-08
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[13] C

- [51] Int.Cl. G06F 21/32 (2013.01) G06F  
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 G06F 21/62 (2013.01)  
[25] FR  
[54] BIOMETRIC AUTHENTICATION  
 SYSTEM BASED ON THE VENOUS  
 NETWORKS AND UNIQUE NON-  
 FALSIFIABLE CODES OF TREE  
 STRUCTURES AND ASSOCIATED  
 METHOD  
[54] SYSTEME D'AUTHENTIFICATION  
 BIOMETRIQUE BASE SUR LES  
 RESEAUX VEINEUX ET DES  
 CODAGES UNIQUES ET NON  
 FALSIFIABLES DE STRUCTURES  
 ARBORESCENTES ET PROCEDE  
 ASSOCIE  
[72] BRON, CHRISTOPHE, CH  
[73] BRON, CHRISTOPHE, CH  
[85] 2018-10-26  
[86] 2017-04-25 (PCT/IB2017/052362)  
[87] (WO2017/187332)  
[30] CH (00555/16) 2016-04-27
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[13] C

- [51] Int.Cl. H02J 50/12 (2016.01) H02M  
 7/537 (2006.01)  
[25] EN  
[54] WIRELESS POWER TRANSFER  
 SYSTEM  
[54] SYSTEME DE TRANSFERT  
 D'ENERGIE SANS FIL  
[72] MITCHESON, PAUL, GB  
[72] YATES, DAVID, GB  
[72] ALDHAHER, SAMER, GB  
[73] IMPERIAL COLLEGE  
 INNOVATIONS LIMITED, GB  
[85] 2018-11-02  
[86] 2017-05-04 (PCT/GB2017/051249)  
[87] (WO2017/191459)  
[30] US (15/146,851) 2016-05-04
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[13] C

- [51] Int.Cl. B05C 1/08 (2006.01)  
[25] EN  
[54] DEVICE FOR SPREADING AN  
 ADHESIVE ON A FILM AND  
 APPARATUS FOR PRODUCING A  
 MULTI-LAYER FILM PROVIDED  
 WITH SAID SPREADING DEVICE  
[54] DISPOSITIF D'ETALEMENT D'UN  
 ADHESIF SUR UN FILM ET  
 APPAREIL DE PRODUCTION  
 D'UN FILM MULTICOUCHE  
 MUNI D'UN DISPOSITIF  
 D'ETALEMENT  
[72] CERCIELLO, VINCENZO, IT  
[72] FARINA, STEFANO, IT  
[72] SCOPESI, LINO, IT  
[73] NORDMECCANICA S.P.A., IT  
[85] 2018-11-06  
[86] 2016-12-05 (PCT/IB2016/057353)  
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[30] IT (102016000047976) 2016-05-10
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[13] C

- [51] Int.Cl. A61F 13/15 (2006.01) A61F  
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 A61F 15/00 (2006.01)  
[25] EN  
[54] UNIT FOR HEMOSTASIS AND  
 ARRANGEMENT CONTAINING  
 THE SAME  
[54] UNITE POUR HEMOSTASE ET  
 AGENCEMENT LA CONTENANT  
[72] JACOBS, ALEXANDER, DE  
[72] HEIDENAU, FRANK, DE  
[73] BIOCER ENTWICKLUNGS-GMBH,  
 DE  
[85] 2018-11-06  
[86] 2017-05-24 (PCT/EP2017/062641)  
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[30] EP (16171003.3) 2016-05-24

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[13] C

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[25] EN  
[54] METHOD OF SEALING A ZIPPER CLOSURE AND A SEALED ZIPPER ASSEMBLY  
[54] PROCEDE D'ETANCHEIFICATION D'UNE FERMETURE A GLISSIERE ET ENSEMBLE FERMETURE A GLISSIERE ETANCHE  
[72] MYERSCOUGH, RICHARD KERR, CA  
[72] HARRINGTON, ROSS DAVIS, CA  
[73] YKK (U.S.A.) INC., US  
[85] 2018-11-09  
[86] 2017-04-18 (PCT/CA2017/050477)  
[87] (WO2017/193208)  
[30] US (62/334,732) 2016-05-11

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[13] C

[51] Int.Cl. D21H 21/22 (2006.01) D21H 11/16 (2006.01) D21H 21/08 (2006.01) D21H 23/04 (2006.01)  
[25] EN  
[54] DISSOLVED AIR DE-BONDING OF A TISSUE SHEET  
[54] DELIAGE A L'AIR DISSOUS D'UNE FEUILLE DE SOIE  
[72] LEE, JEFFREY A., US  
[73] GPCP IP HOLDINGS LLC, US  
[85] 2018-11-13  
[86] 2017-05-16 (PCT/US2017/032880)  
[87] (WO2017/205113)  
[30] US (62/340,038) 2016-05-23  
[30] US (15/589,463) 2017-05-08

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**[11] 3,025,058**  
[13] C

[51] Int.Cl. H04W 8/20 (2009.01)  
[25] EN  
[54] CUSTOMIZATION OF DEVICE CONFIGURATION SETTINGS  
[54] PERSONNALISATION DE PARAMETRES DE CONFIGURATION DE DISPOSITIF  
[72] HOLE, DAVID PHILIP, GB  
[73] BLACKBERRY LIMITED, CA  
[85] 2018-11-21  
[86] 2017-02-28 (PCT/CA2017/050256)  
[87] (WO2017/201609)  
[30] US (62/340,934) 2016-05-24  
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[13] C

[51] Int.Cl. B03D 1/01 (2006.01) B03D 1/004 (2006.01) B03D 1/02 (2006.01) C22B 3/00 (2006.01)  
[25] EN  
[54] PROCESS TO TREAT MAGNETITE ORE AND COLLECTOR COMPOSITION  
[54] PROCEDE DE TRAITEMENT DE MINERAUX DE MAGNETITE ET COMPOSITION DE COLLECTEUR  
[72] WIDELL, MIKAEL IVAR, SE  
[72] JANIAK, JOHN ANDRE, SE  
[72] GUSTAFSSON, JAN OLOF, SE  
[72] NORDBERG, HENRIK, SE  
[73] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL  
[85] 2018-12-13  
[86] 2017-07-05 (PCT/EP2017/066709)  
[87] (WO2018/007419)  
[30] EP (16178726.2) 2016-07-08

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[13] C

[51] Int.Cl. B66C 13/14 (2006.01) B66C 3/00 (2006.01) E02F 9/22 (2006.01)  
[25] EN  
[54] HOSE GUIDING DEVICE FOR A CRANE TOOL  
[54] DISPOSITIF DE GUIDAGE DE TUYAU FLEXIBLE POUR OUTIL DE GRUE  
[72] UDD, ERIK, SE  
[73] KOMATSU FOREST AB, SE  
[85] 2018-12-14  
[86] 2017-06-09 (PCT/SE2017/050617)  
[87] (WO2017/217917)  
[30] SE (1650852-5) 2016-06-16

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[13] C

[51] Int.Cl. G01K 5/08 (2006.01)  
[25] EN  
[54] VARIABLE ANGLE GLASS THERMOMETER  
[54] THERMOMETRE EN VERRE A ANGLE VARIABLE  
[72] WEISS, JOHN W., US  
[73] WEISS INSTRUMENTS LLC, US  
[86] (3028415)  
[87] (3028415)  
[22] 2018-12-21  
[30] US (15/850,275) 2017-12-21

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[13] C

[51] Int.Cl. A61B 17/00 (2006.01) A61B 17/22 (2006.01) A61M 1/00 (2006.01)  
[25] EN  
[54] CONNECTOR FOR SURGICAL HANDPIECE  
[54] PIECE DE CONNEXION POUR MANCHE CHIRURGICAL  
[72] KETELHOHN, ROBERT A., US  
[72] COTTER, DANIEL J., US  
[72] MANANDHAR, PRAKASH, US  
[72] BERTORELLI, JOHN, US  
[72] GUPTA, SAURAV V., US  
[72] LEMIEUX, ERIN-ANNE A., US  
[73] INTEGRA LIFESCIENCES ENTERPRISES, LLLP, US  
[85] 2019-01-03  
[86] 2017-06-13 (PCT/IB2017/053510)  
[87] (WO2018/051196)  
[30] US (62/394,994) 2016-09-15  
[30] US (62/421,645) 2016-11-14

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**[11] 3,029,983**  
[13] C

[51] Int.Cl. H04W 76/28 (2018.01) H04W 76/20 (2018.01) H04W 52/02 (2009.01)  
[25] EN  
[54] METHODS AND APPARATUS FOR CELL DISCONTINUOUS TRANSMISSION (DTX) SCHEDULING  
[54] PROCEDES ET APPAREIL DE PLANIFICATION DE TRANSMISSION DISCONTINUE (DTX) DE CELLULES  
[72] KUBOTA, KEIICHI, US  
[72] HORN, GAVIN BERNARD, US  
[72] LOPES, LUIS, US  
[72] KITAZOE, MASATO, US  
[73] QUALCOMM INCORPORATED, US  
[85] 2019-01-04  
[86] 2017-06-14 (PCT/US2017/037494)  
[87] (WO2018/031121)  
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- [51] Int.Cl. B29C 65/70 (2006.01) B29C 45/14 (2006.01) B29C 45/26 (2006.01)
  - [25] EN
  - [54] MOLDED RESIN ARTICLE AND METHOD OF MANUFACTURING SAME
  - [54] OBJET MOULE EN RESINE ET PROCEDE POUR SA FABRICATION
  - [72] TSUKAMOTO, DAISUKE, JP
  - [72] MIKAMI, SUSUMU, JP
  - [72] ABURAKAWA, MASAHIRO, JP
  - [72] SUDA, HIROSHI, JP
  - [73] NIPPON THERMOSTAT CO., LTD., JP
  - [85] 2019-01-08
  - [86] 2017-03-21 (PCT/JP2017/011143)
  - [87] (WO2018/012038)
  - [30] JP (2016-140416) 2016-07-15
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- [51] Int.Cl. B01D 1/16 (2006.01) B01D 1/26 (2006.01) B01D 3/00 (2006.01) B01D 5/00 (2006.01) C02F 1/04 (2006.01)
- [25] EN
- [54] A LOW-TEMPERATURE DISTILLATION FACILITY
- [54] INSTALLATION DE DISTILLATION A BASSE TEMPERATURE
- [72] LEHMANN, MARKUS, CH
- [73] THERMAL PURIFICATION TECHNOLOGIES LTD., CH
- [85] 2019-01-11
- [86] 2017-01-09 (PCT/EP2017/050346)
- [87] (WO2017/121703)
- [30] CH (00041/16) 2016-01-12

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[13] C

- [51] Int.Cl. A61K 36/185 (2006.01)
- [25] EN
- [54] CANNABIS PRODUCTS MODIFIED BY REMOVING VOLATILE ORGANIC COMPOUNDS AND ADDING VOLATILE UNSATURATED HYDROCARBONS
- [54] PRODUITS DE CANNABIS MODIFIES PAR L'ENLEVEMENT DES COMPOSES ORGANIQUES VOLATILS ET L'AJOUT D'HYDROCARBURES INSATURES VOLATILS
- [72] LOMBARDI, VINCENT C., US
- [73] HIGH SIERRA TECHNOLOGIES, INC., US
- [86] (3031123)
- [87] (3031123)
- [22] 2019-01-23
- [30] US (62/620726) 2018-01-23
- [30] US (62/633478) 2018-02-21

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[13] C

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- [25] EN
- [54] DISTRIBUTION CABLING TAPE AND SYSTEM
- [54] RUBAN ET SYSTEME DE CABLAGE DE DISTRIBUTION
- [72] CLATANOFF, WILLIAM J., US
- [72] LARSON, DONALD K., US
- [72] TREADWELL, DANIEL J., US
- [72] THOMPSON, ZACHARY M., US
- [72] KELLEY, TOMMIE WILSON, US
- [72] HEDBLOM, THOMAS P., US
- [72] CLEAR, SUSANNAH C., US
- [72] KIPKE, CARY A., US
- [73] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
- [85] 2019-01-18
- [86] 2017-07-17 (PCT/US2017/042375)
- [87] (WO2018/017475)
- [30] US (62/363,610) 2016-07-18

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[13] C

- [51] Int.Cl. C07F 7/28 (2006.01) H01M 4/60 (2006.01)
- [25] EN
- [54] PROCESSES FOR FORMING TITANIUM CATECHOL COMPLEXES
- [54] PROCEDES DE FORMATION DE COMPLEXES DE TITANE CATECHOL
- [72] MILLARD, MATTHEW, US
- [72] GOELTZ, JOHN, US
- [73] LOCKHEED MARTIN ENERGY, LLC, US
- [85] 2019-01-21
- [86] 2017-07-21 (PCT/US2017/043393)
- [87] (WO2018/022467)
- [30] US (15/220,322) 2016-07-26
- [30] US (62/441,146) 2016-12-30
- [30] US (62/441,154) 2016-12-30
- [30] US (62/441,153) 2016-12-30
- [30] US (62/441,151) 2016-12-30
- [30] US (62/441,150) 2016-12-30
- [30] US (62/441,149) 2016-12-30
- [30] US (15/436,716) 2017-02-17

**[11] 3,032,049**

[13] C

- [51] Int.Cl. A61K 39/00 (2006.01) A61K 39/39 (2006.01)
- [25] EN
- [54] IMMUNOGENIC/THERAPEUTIC GLYCAN COMPOSITIONS AND USES THEREOF
- [54] COMPOSITIONS DE GLYCANES IMMUNOGENES/THERAPEUTIQUES ET UTILISATIONS ASSOCIEES
- [72] YU, CHENG-DER TONY, US
- [72] YU, PEIWEN, US
- [72] LAI, KUO-PAO, TW
- [72] LEE, WEI-HAN, TW
- [72] CHEN, I-JU, TW
- [72] LIN, SHU-YI, TW
- [72] HSIEH, YIH-HUANG, TW
- [73] OBI PHARMA, INC., CN
- [85] 2019-01-23
- [86] 2017-07-27 (PCT/US2017/044244)
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- [30] US (62/367,528) 2016-07-27

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  - [25] EN
  - [54] TARGETING KIT FOR IMPLANT REMOVAL
  - [54] TROUSSE DE CIBLAGE POUR LE RETRAIT D'IMPLANT
  - [72] CHANA, GURSHARAN SINGH, GB
  - [73] CHANA, GURSHARAN SINGH, GB
  - [85] 2019-01-29
  - [86] 2016-08-22 (PCT/GB2016/052594)
  - [87] (WO2017/032993)
  - [30] US (62/207,957) 2015-08-21
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[13] C

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  - [25] EN
  - [54] DISTRIBUTED RESOURCE ELECTRICAL DEMAND FORECASTING SYSTEM AND METHOD
  - [54] SYSTEME ET PROCEDE PERMETTANT DE PREVOIR LA DEMANDE ELECTRIQUE DE RESSOURCES DISTRIBUEES
  - [72] FRASHER, JAMES, US
  - [73] ZECO SYSTEMS INC., US
  - [85] 2019-01-29
  - [86] 2017-08-02 (PCT/US2017/045177)
  - [87] (WO2018/026964)
  - [30] US (62/370,515) 2016-08-03
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[13] C

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- [25] EN
- [54] MACHINE LEARNING TRAINING SET GENERATION
- [54] GENERATION D'UN ENSEMBLE DE FORMATION A L'APPRENTISSAGE MACHINE
- [72] AGRAWI, AHMED ADNAN, NO
- [72] SALMAN, NADER, NO
- [72] VAN DER HOFF, GUIDO JOHANNES, NO
- [73] SCHLUMBERGER CANADA LIMITED, CA
- [85] 2019-02-07
- [86] 2016-09-09 (PCT/US2016/050845)
- [87] (WO2018/031051)
- [30] US (62/372,115) 2016-08-08

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[11] **3,036,196**  
[13] C

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  - [25] EN
  - [54] HEAT SHIELD ASSEMBLY AND MOUNTING THEREOF ON AIRCRAFT
  - [54] DISPOSITIF THERMOPROTECTEUR ET SON INSTALLATION SUR UN AERONEF
  - [72] CAMPBELL, LOWELL B., US
  - [72] JONES, MICHAEL D., US
  - [72] STEFANOVIĆ, MILAN, US
  - [73] THE BOEING COMPANY, US
  - [86] (3036196)
  - [87] (3036196)
  - [22] 2019-03-07
  - [30] US (15/940898) 2018-03-09
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[13] C

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- [25] EN
- [54] BENZOTRIAZOLE DERIVATIVE AND MOLYBDENUM DITHiocarbamate- CONTAINING LUBRICATING OIL COMPOSITIONS FOR FRICTION REDUCTION AND FUEL CONSUMPTION REDUCTION
- [54] DERIVE DE BENZOTRIAZOLE ET COMPOSITIONS D'HUILE DE LUBRIFICATION CONTENANT DU DITHIOCARBAMATE DE MOLYBDENE POUR REDUIRE LE FROTTEMENT ET LA CONSOMMATION DE CARBURANT
- [72] MATSUMOTO, SHUNSUKE, JP
- [72] KOUNO, KUNIHIRO, JP
- [73] INFINEUM INTERNATIONAL LIMITED, GB
- [86] (3038157)
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- [22] 2019-03-27
- [30] EP (18164161.4) 2018-03-27

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  - [72] CHEPURNA, IRYNA, GB
  - [72] HARRIS, DEBORAH JAYNE, GB
  - [72] SCAPENS, DAVID, GB
  - [73] MAGNESIUM ELEKTRON LIMITED, GB
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- [25] EN
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- [54] NANOCRISTAUX DE DIOXYDE DE TITANE DOPES AU FER ET LEUR UTILISATION EN TANT QUE PHOTO-CATALYSEURS
- [72] HERRING, RODNEY, CA
- [72] MORADI, VAHID, CA
- [73] RH-IMAGING SYSTEMS INC., CA
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G10L 15/18 (2013.01) G10L 15/16  
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NETWORK MODEL FOR  
MULTIPLE NATURAL  
LANGUAGE PROCESSING (NLP)  
TASKS
- [54] MODELE DE RESEAU NEURONAL  
A NOMBREUSES TACHES  
ASSOCIEES CONCU POUR DE  
MULTIPLES TACHES DE  
TRAITEMENT DE LANGAGE  
NATUREL (NLP)
- [72] HASHIMOTO, KAZUMA, US  
[72] XIONG, CAIMING, US  
[72] SOCHER, RICHARD, US  
[73] SALESFORCE.COM, INC., US  
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COMPRISING HOLOGRAPHIC  
LIDDING MATERIAL, AND  
METHOD OF MAKING THE SAME
- [54] EMBALLAGES  
PHARMACEUTIQUES  
COMPRENANT UN MATERIAU  
D'OPERCULAGE  
HOLOGRAPHIQUE, ET LEUR  
PROCEDE DE FABRICATION
- [72] DEVENS, CLAUDE SCOTT, US  
[73] HOLOGRAPHYX INC., US  
[85] 2019-04-15  
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- [25] EN
- [54] DRIVE CONFIGURATION  
CONFIGURATION  
D'ENTRAINEMENT
- [72] FLAXMAN, ROBERT JOHN  
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- [73] QINETIQ LIMITED, GB
- [85] 2019-05-02
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C01B 15/10 (2006.01)
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RADICALLY-CROSSLINKABLE  
POLYMERS
- [54] AGENT DE DURCISSEMENT  
EFFICACE POUR POLYMERES  
RETICULABLES PAR VOIE  
RADICALEIRE
- [72] PALYS, LEONARD H., US  
[72] DESPOTOPPOULOU, MARINA, US  
[72] DLUZNESKI, PETER R., US  
[73] ARKEMA INC., US  
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TURBINE INSTALLATION
- [54] INSTALLATION POMPE-  
TURBINE REVERSIBLE  
AMELIOREE
- [72] OBERMEYER, HENRY K., US  
[72] IAVORNIC, CLAUDIU M., US  
[72] BAKER, GRANT QUINN, US  
[73] BHE TURBOMACHINERY, LLC, US  
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[25] EN  
[54] SEPARATOR  
[54] SEPARATEUR  
[72] AKDIM, MOHAMED REDA, NL  
[72] MENCHACA LOBATO, ARTURO ERNESTO, NL  
[73] FMC SEPARATION SYSTEMS BV, NL  
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[25] EN  
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[54] COMPOSITION ET PROCEDE DE PREPARATION D'UNE COMPOSITION POUR ACCROITRE L'OXYDE NITRIQUE DERMIQUE  
[72] CHOUSKY, CARY, CA  
[73] VIVANOX INVESTMENTS INC., CA  
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[25] EN  
[54] COMPOUNDS FOR USE IN THE PREVENTION AND/OR TREATMENT OF NON-ALCOHOLIC FAT LIVER DISEASE AND NON-ALCOHOLIC STEATOHEPATITIS  
[54] COMPOSES DESTINES A ETRE UTILISES DANS LA PREVENTION ET/OU LE TRAITEMENT DE LA STEATOSE HEPATIQUE NON ALCOOLIQUE ET DE LA STEATOHEPATITE NON ALCOOLIQUE  
[72] AGREDA NAVAJAS, JUAN CARLOS, ES  
[72] MIKIO KASSUYA, ROBERTO, ES  
[73] SJT MOLECULAR RESEARCH, SL, ES  
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[54] MILIEUX DE CULTURE COMPRENANT DES DIPEPTIDES DE N-ACYL-X-GLUTAMINE  
[72] KNAUP, GUNTER, DE  
[72] MERZ, FRIEDHELM, DE  
[73] EVONIK OPERATIONS GMBH, DE  
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[54] METHOD, DEVICE, STORAGE MEDIUM AND CLIENT FOR PAGE RETURN  
[54] METHODE, DISPOSITIF, SUPPORT DE STOCKAGE ET CLIENT DE RETOUR AUX PAGES PRECEDENTES  
[72] CHEN, YULIN, CN  
[72] FENG, YONG, CN  
[73] 10353744 CANADA LTD., CA  
[86] (3055847)  
[87] (3055847)  
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[54] SYSTEMS AND METHODS FOR AUTOMATED PROVISIONING OF A VIRTUAL MAINFRAME TEST ENVIRONMENT  
[54] SYSTEMES ET METHODES POUR LA FOURNITURE AUTOMATISEE D'UN ENVIRONNEMENT D'ESSAI D'ORDINATEUR CENTRAL VIRTUEL  
[72] REID, SCOTT ALEXANDER, CA  
[72] GAUDREAU, KENNETH LEONARD, CA  
[72] KARA, MOHAMED TANVIR MOHAMEDRAZA, CA  
[72] KOLENKO, DANIEL T., CA  
[73] THE TORONTO-DOMINION BANK, CA  
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E04H 15/64 (2006.01)  
[25] EN  
[54] SHADE-PROVIDING STRUCTURE  
[54] STRUCTURE FOURNISANT DE  
L'OMBRE  
[72] HUFFMAN, JONATHAN, US  
[72] MILLARD, TIM, US  
[72] HUTCHINSON, WESLEY, US  
[73] PLAYCORE WISCONSIN, INC., US  
[86] (3056378)  
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[25] EN  
[54] CROSS-FUNDS MANAGEMENT  
SERVER-BASED PAYMENT  
SYSTEM, AND METHOD, DEVICE  
AND SERVER THEREFOR  
[54] SYSTEME DE PAIEMENT BASE  
SUR UN SERVEUR DE GESTION  
DE FONDS CROISES, ET  
PROCEDE, DISPOSITIF ET  
SERVEUR ASSOCIE  
[72] ZHANG, YI, CN  
[73] 10353744 CANADA LTD., CA  
[86] (3058591)  
[87] (3058591)  
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[25] EN  
[54] FUNCTIONALIZED MAGNETIC  
NANOPARTICLES AND USE IN  
IMAGING AMYLOID DEPOSITS  
AND NEUROFIBRILLARY  
TANGLES  
[54] NANOParticules  
MAGNETIQUES  
FONCTIONNALISEES ET LEUR  
UTILISATION DANS L'IMAGERIE  
DE DEPOTS AMYLOIDES ET  
D'ENCHEVETREMENTS  
NEUROFIBRILLAIRES  
[72] AKHTARI, MASSOUD, US  
[73] THE REGENTS OF THE  
UNIVERSITY OF CALIFORNIA, US  
[86] (3058702)  
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[54] METHOD FOR PRODUCING AN,  
ESPECIALLY ORAL, ACTIVE  
SUBSTANCE LAMINATE, AND  
ACTIVE SUBSTANCE LAMINATE,  
ESPECIALLY ORAL ACTIVE  
SUBSTANCE LAMINATE  
[54] PROCEDE POUR LA  
PRODUCTION D'UN STRATIFIÉ  
DE PRINCIPE ACTIF, EN  
PARTICULIER ORAL, ET  
STRATIFIÉ DE PRINCIPE ACTIF,  
EN PARTICULIER STRATIFIÉ DE  
PRINCIPE ACTIF ORAL  
[72] HOFFMANN, MICHAEL, DE  
[72] KIRSTGEN, ELVIRA, DE  
[72] STEIN, RALF-INGO, DE  
[72] WIEDERSBERG, SANDRA, DE  
[72] STUMPER, THOMAS, DE  
[73] LTS LOHMANN THERAPIE-  
SYSTEME AG, DE  
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H04B 7/26 (2006.01)  
[25] EN  
[54] SYSTEM, METHOD, AND  
APPARATUS FOR DETERMINING  
A COMMUNICATION STATUS OF  
LOCOMOTIVES IN A  
DISTRIBUTED POWER SYSTEM  
[54] SYSTEME, PROCEDE ET  
APPAREIL PERMETTANT DE  
DETERMINER UN ETAT DE  
COMMUNICATION DE  
LOCOMOTIVES DANS UN  
SYSTEME D'ALIMENTATION  
DISTRIBUE  
[72] BENDER, PAUL GERARD, US  
[72] WOLF, CHARLES L., US  
[72] KLEMANSKI, RICHARD S., US  
[73] WESTINGHOUSE AIR BRAKE  
TECHNOLOGIES CORPORATION,  
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[25] EN  
[54] APPARATUS FOR SAMPLING  
SURFACES  
[54] APPAREIL PERMETTANT  
L'ECHANTILLONNAGE DE  
SURFACES  
[72] SAMADPOUR, MANSOUR, US  
[73] INSTITUTE FOR ENVIRONMENTAL  
HEALTH, INC., US  
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  - [54] PROTEINE DE FUSION DU FACTEUR IX DE COAGULATION HUMAIN (FIX), SON PROCEDE DE PREPARATION ET SON UTILISATION
  - [72] GAO, YONGJUAN, CN
  - [72] CHEN, SI, CN
  - [72] LI, ZIRUI, CN
  - [72] TU, XIAOPING, CN
  - [72] SUN, BILL NAI-CHAU, CN
  - [72] LI, QIANG, CN
  - [73] PHARMAB, INC., CN
  - [73] AMPSOURCE BIOPHARMA SHANGHAI INC., CN
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  - [54] OUTIL HYDRAULIQUE EN LIGNE PORTATIF
  - [72] WASON, PETER MATTHEW, US
  - [72] LEFAVOUR, JOHN DAVID, US
  - [73] HUBBELL INCORPORATED, US
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  - [54] SYSTEME D'EVACUATION A ETAGES MULTIPLES POUR RESERVOIR DE FLUIDE
  - [72] MARQUARDT, TERRY L., US
  - [73] BRADLEY FIXTURES CORPORATION, US
  - [85] 2019-11-01
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  - [54] INFUSION DE RESINE DANS DES PIECES COMPOSITES AVEC CONTROLE DYNAMIQUE DE L'EPAISSEUR
  - [72] MEURE, SAMUEL JAMES, US
  - [72] CUCKSON, IAN, US
  - [72] ORR, JESSICA CLAIRE, US
  - [72] HOWE, CHRISTOPHER, US
  - [73] THE BOEING COMPANY, US
  - [86] (3065009)
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  - [54] RELAXATION D'UNE PATE A L'AIDE D'UNE GAMMA GLUTAMYLE TRANSPEPTIDASE
  - [72] KALUM, LISBETH, DK
  - [72] LANDVIK, SARA MARIA, DK
  - [72] MATVEEEVA, IRINA VICTOROVNA, RU
  - [72] JOERGENSEN, STEEN TROELS, DK
  - [72] JENSEN, KENNETH, DK
  - [73] NOVOZYMES A/S, DK
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- [54] ENSEMBLE D'AIGUILLES A INFUSION INTRAVEINEUSE MANUELLEMENT RETRACTABLES
- [72] WANG, ZUYANG, CN
- [73] WANG, ZUYANG, CN
- [85] 2019-12-06
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[54] ABAISSEURS DE POINT D'ECOULEMENT ADAPTES POUR L'HIVER  
[72] LI, LINGLING, US  
[72] GADBERRY, JAMES FREDERIC, US  
[72] O'NEAL, TIARA ELIZABETH, US  
[72] KHANDEKAR, CHANDRASHEKHAR YESHWANT, US  
[73] NOURYON CHEMICALS INTERNATIONAL B.V., NL  
[85] 2019-12-10  
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[54] COMMANDE DE FONCTION DE PASSERELLE PAR L'INTERMEDIAIRE D'UN SERVICE VOCAL/DE TELEPHONIE  
[72] WU, JINGHUI, CN  
[73] ARRIS ENTERPRISES LLC, US  
[85] 2020-01-06  
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[25] EN  
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[54] SURVEILLANCE DE LIBERATION AU MOYEN D'UN SYSTEME DE CONTROLE ET D'ATTACHE  
[72] HODGE, STEPHEN L., US  
[73] GLOBAL TEL\*LINK CORPORATION, US  
[85] 2020-02-03  
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[54] PROCEDES ET DISPOSITIFS D'USINAGE D'UNE PIECE REFROIDIE  
[72] BOROWICZ, CLIFFORD D., US  
[73] THE BOEING COMPANY, US  
[86] (3073764)  
[87] (3073764)  
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[30] US (16/289,240) 2019-02-28
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[25] EN  
[54] EXTRACTING METHOD AND EXTRACTING APPARATUS  
[54] PROCEDE D'EXTRACTION ET DISPOSITIF D'EXTRACTION  
[72] KIHARA, KAISHUN, JP  
[72] TOGASHI, KAZUKI, JP  
[72] TORIZU, TAISUKE, JP  
[72] NOAKE, NOBUHIRO, JP  
[72] ABE, KAZUHIRO, JP  
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[25] EN  
[54] SYSTEM AND METHOD FOR THE TREATMENT OF OIL SANDS  
[54] SYSTEME ET PROCEDE POUR LE TRAITEMENT DE SABLES PETROLIFERES  
[72] KIMBALL, GREGORY J., US  
[72] BONEM, JOSEPH MERWYN, US  
[72] PHILLIPS, DAVID L., US  
[73] BEPEX INTERNATIONAL, LLC., US  
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[54] SERVICE DE SYNCHRONISATION CLIENT DE GESTION DE CONTENU  
[72] GOLDBERG, ISAAC, US  
[72] JAYAKAR, SUJAY, US  
[72] LAI, JOHN, US  
[72] YING, ROBERT, US  
[72] KOORAPATI, NIPUNN, US  
[72] GUPTA, GAUTAM, US  
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[30] US (15/868,518) 2018-01-11  
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[13] C

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[54] GARDE-NEIGE  
[72] HEADER, GREGORY A., US  
[73] HEADER, GREGORY A., US  
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[54] DISPOSITIF DE TEST DE STRUCTURE
[72] ROSEMEIER, MALO, DE
[72] ANTONIOU, ALEXANDROS, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-05-01
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[30] DE (10 2017 219 592.4) 2017-11-03

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[51] Int.Cl. F16C 33/52 (2006.01) F16C 43/04 (2006.01)
[25] EN
[54] BEARING AND BEARING PIN AND METHOD OF MANUFACTURE
[54] APPAREIL D'APPUI ET SON ATTACHE ET PROCEDE DE FABRICATION
[72] HARRISON, CURTIS, US
[73] EBT, INC., US
[86] (3082395)
[87] (3082395)
[22] 2020-06-08
[30] US (62/858,494) 2019-06-07

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[25] EN
[54] REMOTE CONTROLLED HYBRID SNOW THROWER
[54] CHASSE-NEIGE HYBRIDE TELECOMMANDE
[72] TOWERS, KEVIN P., US
[73] TOWERS, KEVIN P., US
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[54] UNIVERSAL PORTABLE COMPUTERS
[54] ORDINATEURS PORTATIFS UNIVERSEL
[72] LIANG, ZHONGHONG, CA
[72] LIANG, BENJAMIN, CA
[73] LIANG, ZHONGHONG, CA
[73] LIANG, BENJAMIN, CA
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[51] Int.Cl. H04L 41/0893 (2022.01) H04L 41/0896 (2022.01) H04L 47/2441 (2022.01)
[25] EN
[54] METHOD AND MANAGING NODE FOR MANAGING EXCHANGE OF PACKET FLOW DESCRIPTORS
[54] PROCEDE ET NOEUD DE GESTION PERMETTANT DE GERER UN ECHANGE DE DESCRIPTEURS DE FLUX DE PAQUETS
[72] CANETE MARTINEZ, ANTONIO, ES
[72] GOCHI GARCIA, IBON, ES
[72] MAS ROSIQUE, MARIA LUISA, ES
[72] MUÑOZ DE LA TORRE ALONSO, MIGUEL ANGEL, ES
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[51] Int.Cl. G06Q 50/10 (2012.01) G06Q 30/08 (2012.01)
[25] EN
[54] METHOD AND KIOSK FOR RECYCLING ELECTRONIC DEVICES
[54] PROCEDE ET KIOSQUE POUR LE RECYCLAGE DE DISPOSITIFS ELECTRONIQUES
[72] BOWLES, MARK, US
[72] TULLIE, THOMAS L., US
[72] BEANE, JOHN ANDREW, US
[72] PLOETNER, JEFFREY, US
[72] MILLER, JOHN, US
[72] VESCO, NEIL, US
[73] ECOATM, LLC, US
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[25] EN
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[54] SYSTEMES ET PROCEDES DE RADIOGRAPHIE NUMERIQUE PORTABLE
[72] GIROUARD, BRIAN, US
[72] BOURN, JASON, US
[72] BENSON, PAUL, US
[72] STOCKLY, GRANT, US
[73] ILLINOIS TOOL WORKS INC., US
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- [25] EN
- [54] **MAXIMUM TRANSMISSION  
 POWER DETERMINING  
 METHOD, APPARATUS, SYSTEM,  
 AND STORAGE MEDIUM**
- [54] **PROCEDE, APPAREIL ET  
 SYSTEME PERMETTANT DE  
 DETERMINER UNE PUISSANCE  
 DE TRANSMISSION MAXIMALE  
 ET SUPPORT  
 D'ENREGISTREMENT**
- [72] BI, WENPING, CN
- [72] GUO, ZHIHENG, CN
- [72] LONG, YI, CN
- [72] XIE, XINQIAN, CN
- [73] HUAWEI TECHNOLOGIES CO.,  
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 9/36 (2006.01) C10L 1/06 (2006.01)
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- [54] **A METHOD FOR PRODUCING A  
 MIXTURE OF HYDROCARBONS**
- [54] **PROCEDE DE PRODUCTION D'UN  
 MELANGE D'HYDROCARBURES**
- [72] RAMO, VIRPI, FI
- [72] OJALA, ANTTI, FI
- [72] VAPOLA, RISTO, FI
- [73] NESTE OYJ, FI
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- [25] EN
- [54] **AFFORDANCE FOR USE ON AN  
 ITEM IN A CONTAINER**
- [54] **AFFORDANCE A UTILISER SUR  
 UN ARTICLE DANS UN  
 CONTENANT**
- [72] RUSSELL, DUNCAN, GB
- [72] SOTIROPOULOS, PANAGIOTIS, GB
- [73] OCADO INNOVATION LIMITED,  
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- [85] 2020-09-22
- [86] 2019-04-01 (PCT/EP2019/058176)
- [87] (WO2019/197197)
- [30] GB (1805841.2) 2018-04-09
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- [25] EN
- [54] **HANDLE ADJUSTING  
 MECHANISM AND CHILD  
 CARRIER**
- [54] **MECANISME D'AJUSTEMENT DE  
 POIGNEE ET PORTE-BEBE**
- [72] LIU, WEI-HUAN, CN
- [73] WONDERLAND SWITZERLAND  
 AG, CH
- [86] (3095185)
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 (2006.01) C07D 417/12 (2006.01)  
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- [54] **MODULATORS OF PROTEOLYSIS  
 AND ASSOCIATED METHODS OF  
 USE**
- [54] **MODULATEURS DE  
 PROTEOLYSE ET PROCEDES  
 D'UTILISATION ASSOCIES**
- [72] CREW, ANDREW P., US
- [72] HORNBERGER, KEITH R., US
- [72] WANG, JING, US
- [72] DONG, HANQING, US
- [72] BERLIN, MICHAEL, US
- [72] CREWS, CRAIG M., US
- [73] ARVINAS OPERATIONS, INC., US
- [73] YALE UNIVERSITY, US
- [85] 2020-09-28
- [86] 2019-04-04 (PCT/US2019/025878)
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 system/assembly for a  
 dispenser**
- [54] **Système/ensemble de  
 transfert de materiau en  
 feuille pour distributeur**
- [72] OSBORNE, CHARLES AGNEW, JR.,  
 US
- [73] KIMBERLEY-CLARK WORLDWIDE,  
 INC., US
- [85] 2020-09-29
- [86] 2019-04-03 (PCT/US2019/025621)
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METHOD, INFORMATION  
RECEIVING METHOD, AND  
DEVICE  
[54] PROCEDE D'ENVOI  
D'INFORMATIONS, PROCEDE DE  
RECEPTION D'INFORMATIONS  
ET DISPOSITIF  
[72] ZHAO, YUE, CN  
[72] YU, ZHENG, CN  
[72] FEI, YONGQIANG, CN  
[73] HUAWEI TECHNOLOGIES CO.,  
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[54] LEVIER INDICATEUR  
[72] LUNDY, DRAKE, US  
[72] MARTINEZ, ISAIAH, US  
[72] OHL, JAMES D., US  
[73] SCHLAGE LOCK COMPANY LLC,  
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[86] (3096359)  
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METHODS  
[54] SYSTEMES ET METHODES DE  
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[72] WAGNER, THOMAS, US  
[72] AHEARN, KEVIN, US  
[72] AMEND, JOHN RICHARD, JR., US  
[72] COHEN, BENJAMIN, US  
[72] DAWSON-HAGGERTY, MICHAEL,  
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[72] FORT, WILLIAM HARTMAN, US  
[72] GEYER, CHRISTOPHER, 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,  
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[72] PRICE, GENE TEMPLE, US  
[72] ROMANO, JOSEPH, US  
[72] SMITH, DANIEL, US  
[72] SRINIVASA, SIDDHARTH, US  
[72] VELAGAPUDI, PRASANNA, US  
[72] ALLEN, THOMAS, US  
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[30] US (15/971,087) 2018-05-04

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[54] DISPOSITIF D'ANCRAGE DE  
SECURITE  
[72] WALSH, JAMES R., US  
[72] FUGALLO, JOSEPH A., US  
[72] MARRA, JOHN P., US  
[73] ANCHOR RING SOLUTIONS, LLC,  
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[85] 2020-10-23  
[86] 2019-04-24 (PCT/US2019/028886)  
[87] (WO2019/209929)  
[30] US (62/662,315) 2018-04-25  
[30] US (16/168,381) 2018-10-23

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[13] C

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(2006.01) F27B 7/38 (2006.01)  
[25] EN  
[54] OXYFUEL CLINKER  
PRODUCTION WITH SPECIAL  
OXYGEN ADDITION  
[54] FABRICATION DE CLINKER PAR  
OXYCOMBUSTION AVEC  
APPORT D'OXYGENE SPECIAL  
[72] LEMKE, JOST, DE  
[72] WILLMS, EIKE, DE  
[73] THYSSENKRUPP POLYSIUS GMBH,  
DE  
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[25] EN  
[54] MEMBRANE ELECTRODE  
ASSEMBLY, FUEL CELL STACK  
WITH MEMBRANE ELECTRODE  
ASSEMBLY AND ALIGNMENT  
TOOL FOR FUEL CELL STACK  
[54] ENSEMBLE MEMBRANE-  
ELECTRODES, EMPILEMENT DE  
PILE A COMBUSTIBLE A  
ENSEMble MEMBRANE-  
ELECTRODES ET OUTIL  
D'ALIGNEMENT POUR  
EMPILEMENT DE PILE A  
COMBUSTIBLE  
[72] MUNTHE, STEFAN, SE  
[73] POWERCELL SWEDEN AB, SE  
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[54] SHUNT TRIP ASSEMBLY  
[54] ASSEMBLAGE DE  
DECLENCHEUR SHUNT  
[72] JAMDADE, AKSHAY B., IN  
[72] SATYANARAYANAN, KARTHIK, IN  
[72] KAWALE, SRUSHTI, IN  
[72] SAWAI, NILESH, IN  
[73] EATON INTELLIGENT POWER  
LIMITED, IE  
[86] (3100031)  
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A61K 8/39 (2006.01) A61Q 15/00  
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[25] EN  
[54] DEODORANT STICKS  
COMPRISING AN EMOLlient  
AND A GELLANT  
[54] BATONS DESODORISANTS  
COMPRENANT UN EMOLlient  
ET UN GELIFIANT  
[72] SWAILE, DAVID FREDERICK, US  
[73] THE PROCTER & GAMBLE  
COMPANY, US  
[85] 2020-11-12  
[86] 2019-06-27 (PCT/US2019/039367)  
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[25] EN  
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IMPROVED COGNITIVE  
PERFORMANCE AND WITH SUN-  
LIGHT PROPERTIES  
[54] SOURCE D'ECLAIRAGE A LED  
POSSEDANT DES PROPRIETES  
PROCHES DE CELLES DE LA  
LUMIERE SOLAIRE POUR  
AMELIORER LES  
PERFORMANCES COGNITIVES  
[72] MEDRICKY, HYNEK, CZ  
[73] MEDRICKY, HYNEK, CZ  
[73] JESENSKY, DANIEL, CZ  
[73] STEPAN, DANIEL, CZ  
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[87] (WO2020/008397)  
[30] CZ (2018-330) 2018-07-03
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[25] EN  
[54] A METHOD AND SYSTEM FOR  
JOINT ACCESS TO UNLICENSED  
SPECTRUM  
[54] PROCEDE ET SYSTEME D'ACCES  
CONJOINT A UN SPECTRE SANS  
LICENCE  
[72] SALEM, MOHAMED ADEL, CA  
[72] ZHANG, JIAYIN, CA  
[73] HUAWEI TECHNOLOGIES CO.,  
LTD., CN  
[85] 2020-12-08  
[86] 2019-06-11 (PCT/CN2019/090622)  
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[30] US (16/005,564) 2018-06-11

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[25] EN  
[54] LADDER WITH BOX RAILS  
HAVING A COLLAR AND  
METHOD  
[54] ECHELLE A RAILS EN FORME DE  
BOITE AYANT UN COLLET ET  
METHODE  
[72] PARKER, THOMAS W., US  
[73] WERNER CO., US  
[86] (3103262)  
[87] (3103262)  
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[30] US (62/954,290) 2019-12-27  
[30] US (62/954,276) 2019-12-27  
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[25] EN  
[54] MULTI-SOURCE DATA  
ANALYTICS SYSTEM, DATA  
MANAGER AND RELATED  
METHODS  
[54] SYSTEME D'ANALYSE DE  
DONNEES MULTI-SOURCES,  
GESTIONNAIRE DE DONNEES ET  
PROCEDES ASSOCIES  
[72] NGUYEN, JENNIFER, CA  
[72] O'NEILL, MICHAEL, CA  
[73] SOPHI INC., CA  
[85] 2020-12-10  
[86] 2019-05-24 (PCT/CA2019/050712)  
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  - [25] EN
  - [54] **SYSTEM AND METHOD OF ORDER FULFILMENT**
  - [54] **SISTÈME ET PROCÉDÉ DE TRAITEMENT DE COMMANDES**
  - [72] INGRAM-TEDD, ANDREW JOHN, GB
  - [72] LINDBO, LARS SVERKER TURE, GB
  - [72] WHELAN, MATTHEW ROBERT, GB
  - [73] OCADO INNOVATION LIMITED, GB
  - [85] 2020-12-16
  - [86] 2019-06-20 (PCT/EP2019/066412)
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  - [30] GB (1810128.7) 2018-06-20
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- [25] EN
- [54] **SYSTEM AND METHOD FOR IDENTIFYING AND VERIFYING ONE OR MORE INDIVIDUALS USING FACIAL RECOGNITION**
- [54] **IDENTIFICATION ET VERIFICATION D'INDIVIDUS A L'AIDE D'UNE RECONNAISSANCE FACIALE**
- [72] SEENIVASAGAM, DHAMOTHARAKKANNAN, US
- [72] KUNDU, GOUTAM, US
- [72] GRASSO, JUSTIN DOMINIC, US
- [72] GULATI, SUSHANT, US
- [72] RAMISETTY, SATYANARAYANA, US
- [72] SENDRA, YANN MARCARIO ANTOINE, US
- [72] POPLAR, KEVIN, US
- [72] KARUPPIAH, BALAJI, US
- [73] VERISCAN, LLC, US
- [85] 2020-12-24
- [86] 2019-06-26 (PCT/US2019/039296)
- [87] (WO2020/006111)
- [30] US (62/690,346) 2018-06-26
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  - [25] EN
  - [54] **COMPOSITION OF FUSED TRICYCLIC GAMMA-AMINO ACID DERIVATIVES AND THE PREPARATION THEREOF**
  - [54] **COMPOSITION DE DERIVES DE GAMMA-AMINOACIDE TRICYCLIQUE FUSIONNES ET PREPARATION**
  - [72] ZHANG, XUANMIAO, CN
  - [72] PENG, FENG, CN
  - [72] MAO, HUA, CN
  - [72] DENG, JUANJUAN, CN
  - [72] YAN, PANGKE, CN
  - [73] SICHUAN HAISCO PHARMACEUTICAL CO., LTD., CN
  - [85] 2021-01-12
  - [86] 2019-07-12 (PCT/CN2019/095856)
  - [87] (WO2020/011257)
  - [30] CN (201810756863.X) 2018-07-12
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- [25] EN
- [54] **VIDEO ENCODER, VIDEO DECODER, AND CORRESPONDING ENCODING AND DECODING METHODS**
- [54] **CODEUR VIDEO, DECODEUR VIDEO, ET PROCEDES DE CODAGE ET DE DECODAGE CORRESPONDANTS**
- [72] MA, XIANG, CN
- [72] ZHAO, YIN, CN
- [72] YANG, HAITAO, CN
- [72] CHEN, JIANLE, US
- [73] HUAWEI TECHNOLOGIES CO., LTD., CN
- [85] 2021-01-14
- [86] 2019-07-16 (PCT/CN2019/096191)
- [87] (WO2020/015648)
- [30] US (62/698,924) 2018-07-16
- [30] US (62/698,991) 2018-07-17

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  - [25] EN
  - [54] **SYSTEMS AND METHODS FOR RENDERING & PRE-ENCODED LOAD ESTIMATION BASED ENCODER HINTING**
  - [54] **SISTÈMES ET PROCEDES DE RENDU ET D'OPTIMISATION D'UN CODEUR BASEE SUR UNE ESTIMATION DE CHARGE PRE-CODEE**
  - [72] KOPIETZ, MICHAEL, DE
  - [73] ZENIMAX MEDIA INC., US
  - [86] (3106617)
  - [87] (3106617)
  - [22] 2018-04-20
  - [62] 3,087,809
  - [30] US (62/488,526) 2017-04-21
  - [30] US (62/647,180) 2018-03-23
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- [25] EN
- [54] **HOUSING ASSEMBLY FOR AN INTEGRATED DISPLAY UNIT**
- [54] **ENSEMBLE DE BOITIER POUR UNITE D'AFFICHAGE INTEGREE**
- [72] DUNN, WILLIAM, US
- [73] MANUFACTURING RESOURCES INTERNATIONAL, INC., US
- [85] 2021-01-18
- [86] 2019-07-17 (PCT/US2019/042249)
- [87] (WO2020/028045)
- [30] US (62/711,908) 2018-07-30
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<p>[11] <b>3,108,707</b>  [13] C</p> <p>[51] Int.Cl. E21B 33/12 (2006.01) E21B 33/128 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM FOR LIMITING RADIAL EXPANSION OF AN EXPANDABLE SEAL</p> <p>[54] SYSTEME POUR LIMITER LA DILATATION RADIALE D'UN JOINT D'ETANCHEITE DILATABLE</p> <p>[72] KRUEGER, MATTHEW J., US</p> <p>[72] MARZOUK, MAHMOUD M., US</p> <p>[73] BAKER HUGHES HOLDINGS LLC, US</p> <p>[85] 2021-02-03</p> <p>[86] 2019-07-08 (PCT/US2019/040756)</p> <p>[87] (WO2020/033087)</p> <p>[30] US (16/057,972) 2018-08-08</p>	<p>[11] <b>3,108,931</b>  [13] C</p> <p>[51] Int.Cl. C07C 271/22 (2006.01) C07K 1/00 (2006.01) C07K 1/04 (2006.01) C07K 1/06 (2006.01) C07K 1/107 (2006.01) C07K 1/13 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CLEAVABLE LINKER FOR PEPTIDE SYNTHESIS</p> <p>[54] LIEUR CLIVABLE POUR LA SYNTHESE DE PEPTIDES</p> <p>[72] BERGMANN, FRANK, DE</p> <p>[72] LOIBL, SIMON FERDINAND, DE</p> <p>[72] POMPLUN, SEBASTIAN JOHANNES, DE</p> <p>[73] F. HOFFMANN-LA ROCHE AG, CH</p> <p>[85] 2021-02-08</p> <p>[86] 2019-08-07 (PCT/EP2019/071161)</p> <p>[87] (WO2020/030663)</p> <p>[30] EP (18188135.0) 2018-08-09</p>	<p>[11] <b>3,110,171</b>  [13] C</p> <p>[51] Int.Cl. B60R 9/00 (2006.01) B60R 11/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ACCESSORY MOUNTING SYSTEM FOR A VEHICLE AND METHOD FOR USING THE SAME</p> <p>[54] SYSTEME D'INSTALLATION D'ACCESSOIRE POUR UN VEHICULE ET METHODE D'UTILISATION</p> <p>[72] MARCHILDON, LOUIS-FREDERIC, CA</p> <p>[72] L'HERault, PATRICK, CA</p> <p>[72] BOUCHARD-FORTIN, NICOLAS, CA</p> <p>[73] KIMPEX INC., CA</p> <p>[86] (3110171)</p> <p>[87] (3110171)</p> <p>[22] 2021-02-24</p> <p>[30] US (62/980,704) 2020-02-24</p> <p>[30] US (63/106,498) 2020-10-28</p> <p>[30] US (63/106,554) 2020-10-28</p>

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  - [25] EN
  - [54] METHOD AND SYSTEM FOR CONTROLLING MULTIPLE PUMP JACKS
  - [54] METHODE ET SYSTEME POUR CONTROLER DE MULTIPLES CHEVALETS DE POMPAGE
  - [72] LESANKO, MICHAEL, CA
  - [72] HANCHURAK, STEPHEN, CA
  - [73] LIFTING SOLUTIONS INC., CA
  - [86] (3110550)
  - [87] (3110550)
  - [22] 2021-02-26
  - [30] CA (3074187) 2020-02-28
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  - [25] EN
  - [54] DRUG DELIVERY SYSTEM FOR PLATINUM-BASED DRUGS
  - [54] SYSTEME D'ADMINISTRATION DE MEDICAMENTS A BASE DE PLATINE
  - [72] LOLLO, GIOVANNA, FR
  - [72] BENOIT, JEAN-PIERRE, FR
  - [72] BRACHET - BOTINEAU, MARIE, FR
  - [73] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
  - [73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -, FR
  - [73] UNIVERSITE D'ANGERS, FR
  - [73] CENTRE HOSPITALIER UNIVERSITAIRE D'ANGERS, FR
  - [85] 2021-03-05
  - [86] 2019-09-16 (PCT/EP2019/074739)
  - [87] (WO2020/053445)
  - [30] EP (18306201.7) 2018-09-14
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- [51] Int.Cl. H04W 28/06 (2009.01)
  - [25] EN
  - [54] ETHERNET HEADER COMPRESSION METHOD, ETHERNET HEADER DECOMPRESSION METHOD, AND DEVICE
  - [54] PROCEDE DE COMPRESSION D'EN-TETE DE PAQUET ETHERNET, PROCEDE DE DECOMPRESSION ET DISPOSITIF
  - [72] ZHANG, YANXIA, CN
  - [72] WU, YUMIN, CN
  - [73] VIVO MOBILE COMMUNICATION CO., LTD., CN
  - [85] 2021-03-05
  - [86] 2019-09-06 (PCT/CN2019/104649)
  - [87] (WO2020/048522)
  - [30] CN (201811046292.7) 2018-09-07
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  - [25] EN
  - [54] SYSTEM AND METHOD FOR SECURING TISSUE TO BONE
  - [54] SYSTEME ET PROCEDE POUR FIXER UN TISSU A UN OS
  - [72] HEAVEN, MALCOLM, US
  - [72] GREELIS, JOHN P., US
  - [72] SIRIVONG, MIKXAY, US
  - [72] YUREK, MATTHEW T., US
  - [73] CONMED CORPORATION, US
  - [86] (3112109)
  - [87] (3112109)
  - [22] 2014-03-07
  - [62] 2,904,717
  - [30] US (61/801,255) 2013-03-15
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[13] C

- [51] Int.Cl. B62B 3/02 (2006.01)
  - [25] EN
  - [54] IMPROVED SHOPPING CART AND ASSOCIATED METHODS
  - [54] PANIER D'ACHAT AMELIORE ET METHODES CONNEXES
  - [72] KILLY, ROSEMONDE, US
  - [73] KILLY, ROSEMONDE, US
  - [86] (3112494)
  - [87] (3112494)
  - [22] 2021-04-09
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[13] C

- [51] Int.Cl. G01L 3/00 (2006.01) B23P 19/06 (2006.01) F04B 23/02 (2006.01)
  - [25] EN
  - [54] TORQUE-THRUST CHAMBER FOR HORIZONTAL PUMP TEST SYSTEMS
  - [54] CHAMBRE DE POUSSEE DE COUPLE POUR SYSTEMES DE TEST DE POMPE HORIZONTALE
  - [72] TILLER, JEFF, US
  - [73] BAKER HUGHES HOLDINGS LLC, US
  - [85] 2021-03-16
  - [86] 2019-09-13 (PCT/US2019/051134)
  - [87] (WO2020/060876)
  - [30] US (62/733,196) 2018-09-19
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- [51] Int.Cl. H04W 72/21 (2023.01)
  - [25] EN
  - [54] REPORTING BEAM FAILURE
  - [54] RAPPORT DE DEFAILLANCE DE FAISCEAU
  - [72] KOSKELA, TIMO, FI
  - [72] TURTINEN, SAMULI, FI
  - [72] WU, CHUNLI, CN
  - [72] ENESCU, MIHAI, FI
  - [72] HAKOLA, SAMI, FI
  - [73] NOKIA TECHNOLOGIES OY, FI
  - [85] 2021-03-24
  - [86] 2019-08-07 (PCT/CN2019/099691)
  - [87] (WO2020/063126)
  - [30] CN (PCT/CN2018/108130) 2018-09-27
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- [25] EN
- [54] HIGH-EFFICIENCY BELT AND METHOD OF MANUFACTURING THE SAME
- [54] COURROIE A EFFICACITE ELEVEE ET SON PROCEDE DE FABRICATION
- [72] GERRING, DOUGLAS, US
- [72] SPRING, KYLE, US
- [72] MOSS, TOM, US
- [73] GATES CORPORATION, US
- [85] 2021-03-24
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- [72] DUARTE AMARO CORREIA, MARTINHO, ZA
- [73] CHRYSO, FR
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- [72] MORIYAMA, CHIFUMI, JP
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- [54] CAPTEUR NDIR, PROCEDE D'ECHANTILLONNAGE ET SYSTEME D'ANALYSE D'HALEINE
- [72] HENDERSON, DAVID, US
- [72] KOUZNETSOV, ANDRIAN, US
- [72] SCIAINI, JAMES, US
- [73] AMPHENOL THERMOMETRICS, INC., US
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  - [72] KUTSCH, JOHN H., US
  - [72] LACKOWSKI, VINCE, US
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- [72] LIMOUSIN, VICTOR NICOLAS SIMON, ES
- [72] LOPATEGI SANZ, UNAI, ES
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- [73] AUTOTECH ENGINEERING, S.L., ES
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[54] PROCEDE DE DETERMINATION DE MATRICE ELASTIQUE DE NOYAU DE FER STRATIFIE ET PROCEDE D'ANALYSE DE VIBRATION  
[72] NAMIKAWA, MISAQ, JP  
[73] JFE STEEL CORPORATION, JP  
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[72] XU, KAI, CN  
[72] ZHAO, JIANGRAN, CN  
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[72] SUN, YI, CN  
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[73] BEIJING SURGERII ROBOTICS COMPANY LIMITED, CN  
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[72] TISCARENO, VICTOR MANUEL, US  
[73] VZR, INC., US  
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[72] EIKELENBERG, RALPH F. E., US  
[72] KEYMEULEN, ANTOON, US  
[72] DAELMAN, KATELIJNE, US  
[72] CORNU, JUDICAEL, US  
[73] DART INDUSTRIES INC., US  
[86] (3121079)  
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[72] MARTIN, MICHAEL D., US  
[72] O'NEIL, MICHAEL DEVIN, US  
[72] TAYLOR, PHILIP, US  
[73] ABB SCHWEIZ AG, CH  
[86] (3119637)  
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[54] PROCEDE DE PRODUCTION D'UN PRODUIT A FAIBLE TENEUR EN MATIERE GRASSE ET SYSTEME DE PRODUCTION D'UN PRODUIT A FAIBLE TENEUR EN MATIERE GRASSE  
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[73] ALFA LAVAL CORPORATE AB, SE  
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[72] ALTAMIRANO PAEZ, LUIS ENRIQUE, US  
[73] DART CONTAINER CORPORATION, US  
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  - [72] LI, CHANG ZHI, CN
  - [72] LI, DONG NIAN, CN
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  - [73] QINGDAO UNIVERSITY OF TECHNOLOGY, CN
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  - [72] CONNOR, BRIAN J., US
  - [72] BUENAVENTURA, ORVILLE, US
  - [72] AYOUBI, MICHAEL, US
  - [72] SATTERTHWAITE, EDWIN H., US
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- [54] SYSTEME ET PROCEDE DE DETERMINATION D'UNE PENTE ET D'UNE ACCELERATION LIEES A UN ENTRAINEMENT ET A UN FREINAGE
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- [72] DE-THOMASIS, MARCO, CA
- [73] GROUND TRANSPORTATION SYSTEMS CANADA INC., CA
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  - [72] KEELING, PETER, GB
  - [73] KMS PROJECTS LIMITED, GB
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  - [72] WEI, WUXIANG, CN
  - [73] IDEAL SANITARY WARE CO., LTD., CN
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- [25] EN
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- [72] CHIMENTI, PAUL, US
- [72] KURZYNSKI, DAVID J., US
- [72] VOYTCENKO, DENIS, US
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[54] MASQUE AVEC CARTOUCHES FILTRANDES ET COMPOSANTES REMPLACABLES  
[72] MINNETTE, JEFFERY C., US  
[72] DAVIDSON, RYAN P., US  
[73] NYPRO INC., US  
[86] (3123558)  
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[54] PRISE DE CORDON, ECHELLE ET METHODE  
[72] PARKER, THOMAS, US  
[72] COVINGTON, ADRIEN, US  
[72] ARMENOFF, CLAIRE, US  
[73] WERNER CO., US  
[86] (3124105)  
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[54] CONNECTEUR POUR CASQUE ET CASQUE COMPRENANT UN TEL CONNECTEUR  
[72] POMERING, AMY LOUISE, SE  
[73] MIPS AB, SE  
[85] 2021-06-18  
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[30] GB (1821079.9) 2018-12-21  
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[54] PROCEDES ET DISPOSITIFS DE FILIGRANGE AUDIO ET DE DETECTION ET D'EXTRACTION DE FILIGRANES  
[72] SRINIVASAN, VENUGOPAL, US  
[72] TOPCHY, ALEXANDER PAVLOVICH, US  
[73] THE NIELSEN COMPANY (US), LLC, US  
[86] (3124234)  
[87] (3124234)  
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[54] MODULE ELECTRONIQUE, CONTENEUR DE TRANSPORT, AINSI QUE NAVIRE, AERONEF OU VEHICULE TERRESTRE  
[72] BARG, ULRICH, DE  
[73] ATLAS ELEKTRONIK GMBH, DE  
[73] THYSSENKRUPP AG, DE  
[85] 2021-06-29  
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[54] DISPOSITIF ET PROCEDE POUR LA RECUPERATION DE CHALEUR D'UN MILIEU LIQUIDE  
[72] DRECHSEL, FELIX KONSTANTIN, DE  
[72] POLSTER, JEREMIAS, DE  
[73] REVINCUS GMBH, DE  
[85] 2021-07-06  
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[30] DE (10 2019 200 324.9) 2019-01-14

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[54] MATRICE POUR TETE D'IMPRESSION  
[72] CUMBIE, MICHAEL W., US  
[72] LINN, SCOTT A., US  
[72] FULLER, ANTHONY M., US  
[72] GARDNER, JAMES MICHAEL, US  
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US  
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[72] LINN, SCOTT A., US

[72] CUMBIE, MICHAEL W., US

[72] FULLER, ANTHONY M., US

[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

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[54] ACCESSING REGISTERS OF FLUID EJECTION DEVICES

[54] ACCES AUX REGISTRES DE DISPOSITIFS D'EJECTION DE FLUIDE

[72] LINN, SCOTT A., US

[72] GARDNER, JAMES MICHAEL, US

[72] CUMBIE, MICHAEL W., US

[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

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[54] CONTROL INFORMATION SENDING METHOD AND RECEIVING METHOD, TERMINAL, AND NETWORK SIDE DEVICE

[54] PROCEDE D'ENVOI ET PROCEDE DE RECEPTION D'INFORMATIONS DE COMMANDE, TERMINAL ET DISPOSITIF COTE RESEAU

[72] ZHANG, YI, CN

[72] XIA, LIANG, CN

[72] WANG, QIXING, CN

[73] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN

[73] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN

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[54] CIRCUITS MULTIPLES COUPLES A UNE INTERFACE

[72] GARDNER, JAMES, US

[72] LINN, SCOTT, US

[72] CUMBIE, MICHAEL, US

[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-13

[86] 2019-02-06 (PCT/US2019/016725)

[87] (WO2020/162887)

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[13] C

[51] Int.Cl. B41J 2/045 (2006.01)

[25] EN

[54] RESET MONITOR

[54] MONITEUR DE REINITIALISATION

[72] LINN, SCOTT A., US

[72] GARDNER, JAMES M., US

[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-13

[86] 2019-02-06 (PCT/US2019/016749)

[87] (WO2020/162904)

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[11] 3,126,800

[13] C

[51] Int.Cl. A44C 23/00 (2006.01) A44C 25/00 (2006.01)

[25] EN

[54] ROSARY CROWN SUITED TO BE TRANSFORMED INTO A BRACELET.

[54] COURONNE DE ROSAIRE ADAPTEE POUR ETRE TRANSFORMEE EN BRACELET.

[72] GHIRELLI, ALESSANDRO, IT

[73] GHIRELLI S.R.L., IT

[85] 2021-07-14

[86] 2020-03-04 (PCT/IB2020/051843)

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- [25] EN
- [54] EFFICIENT MULTI-FUNCTIONAL ENDOSCOPIC INSTRUMENT
- [54] INSTRUMENT ENDOSCOPIQUE MULTIFONCTIONNEL EFFICACE
- [72] ALTSCHULER, GREGORY, US
- [72] YAROSLAVSKY, ILYA, US
- [72] BOUTOUSSOV, DMITRI, US
- [72] ANDREEVA, VIKTORIYA, RU
- [72] KOVALENKO, ANASTASIYA, RU
- [72] TRAXER, OLIVIER, FR
- [72] BARENBOYM, MICHAEL, US
- [72] OSTROVSKY, ISAAC, US
- [73] IPG PHOTONICS CORPORATION, US
- [85] 2021-07-14
- [86] 2020-01-20 (PCT/US2020/014293)
- [87] (WO2020/150713)
- [30] US (62/794,328) 2019-01-18

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- [25] EN
- [54] PRINT COMPONENT WITH MEMORY CIRCUIT
- [54] COMPOSANT D'IMPRESSION A CIRCUIT DE MEMOIRE
- [72] GARDNER, JAMES MICHAEL, US
- [72] NG, BOON BING, US
- [73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
- [85] 2021-07-15
- [86] 2019-07-31 (PCT/US2019/044446)
- [87] (WO2020/162969)
- [30] US (PCT/US2019/016817) 2019-02-06
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- [25] EN
- [54] TURBINE WITH A SHROUD RING AROUND ROTOR BLADES AND METHOD OF LIMITING LEAKAGE OF WORKING FLUID IN A TURBINE
- [54] TURBINE AVEC UN ANNEAU DE RENFORCEMENT AUTOUR DE PALES DE ROTOR ET PROCEDE DE LIMITATION DES FUITES D'UN FLUIDE DE TRAVAIL DANS UNE TURBINE
- [72] ASTI, ANTONIO, IT
- [72] TOGNARELLI, LEONARDO, IT
- [72] MARCHETTI, SIMONE, IT
- [72] GENTILE, DAVID, IT
- [72] FEDERIGHI, ENRICO, IT
- [73] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
- [85] 2021-07-16
- [86] 2020-01-24 (PCT/EP2020/025031)
- [87] (WO2020/151925)
- [30] IT (102019000001173) 2019-01-25

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- [51] Int.Cl. B41J 2/045 (2006.01) B41J 2/14 (2006.01)
- [25] EN
- [54] FLUID EJECTION DEVICES INCLUDING A FIRST MEMORY AND A SECOND MEMORY
- [54] DISPOSITIFS D'EJECTION DE FLUIDE COMPRENANT UNE PREMIERE MEMOIRE ET UNE SECONDE MEMOIRE
- [72] NG, BOON BING, US
- [73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
- [85] 2021-07-22
- [86] 2019-04-19 (PCT/US2019/028403)
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- [25] EN
- [54] RANDOM ACCESS TRANSMISSION METHOD AND TERMINAL
- [54] PROCEDE DE TRANSMISSION D'ACCES ALEATOIRE, ET TERMINAL
- [72] WU, YUMIN, CN
- [73] VIVO MOBILE COMMUNICATION CO., LTD., CN
- [85] 2021-07-23
- [86] 2020-01-21 (PCT/CN2020/073524)
- [87] (WO2020/151706)
- [30] CN (201910075313.6) 2019-01-25

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- [25] EN
- [54] COILER FOR A DUNNAGE CONVERSION MACHINE AND METHOD
- [54] ENROULEUR POUR MACHINE DE CONVERSION DE FARDAGE ET PROCEDE
- [72] VAN DER KAAP, JORDY, NL
- [72] HENDRIX, RON H. J., NL
- [72] BRULS, RUUD E. J., NL
- [73] RANPAK CORP., US
- [85] 2021-07-23
- [86] 2020-01-16 (PCT/US2020/013897)
- [87] (WO2020/154172)
- [30] US (62/796,970) 2019-01-25

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- [25] EN
- [54] CIRCUIT BOARD
- [54] CARTE DE CIRCUITS IMPRIMÉS
- [72] KIMURA, MAKIYA, JP
- [72] YAMAGA, SATOSHI, JP
- [72] SASAKI, YOHICHI, JP
- [73] TYCO ELECTRONICS JAPAN G.K., JP
- [86] (3127775)
- [87] (3127775)
- [22] 2021-08-10
- [30] JP (2020-136680) 2020-08-13

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- [25] EN
- [54] PHARMACEUTICAL COMPOSITIONS COMPRISING MELOXICAM
- [54] COMPOSITIONS PHARMACEUTIQUES COMPRENANT DU MELOXICAM
- [72] TABUTEAU, HERRIOT, US
- [73] AXSOME THERAPEUTICS, INC., US
- [85] 2021-08-03
- [86] 2020-02-06 (PCT/US2020/017046)
- [87] (WO2020/163620)
- [30] US (62/895,956) 2019-09-04
- [30] US (62/955,905) 2019-12-31
- [30] US (62/802,198) 2019-02-06
- [30] US (62/803,756) 2019-02-11
- [30] US (62/835,613) 2019-04-18
- [30] US (62/846,311) 2019-05-10
- [30] US (62/860,705) 2019-06-12
- [30] US (62/895,933) 2019-09-04

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- [25] EN
- [54] METHOD AND SYSTEM FOR DETERMINING THE POSITION OF A FORMWORK
- [54] PROCEDE ET SYSTEME POUR DETERMINER LA POSITION D'UN COFFRAGE
- [72] CVETKOVIC, DENIS ROBIN, AT
- [72] DOBER, FLORIAN, AT
- [72] BRANDL, MARTIN, AT
- [72] WINTER, LUCAS JOHANNES, AT
- [73] UMDASCH GROUP NEWCON GMBH, AT
- [85] 2021-09-03
- [86] 2020-03-05 (PCT/EP2020/055782)
- [87] (WO2020/178365)
- [30] EP (19160866.0) 2019-03-05

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- [25] EN
- [54] ILLUMINATION DEVICE AND IMAGING DEVICE
- [54] DISPOSITIF D'ECLAIRAGE ET DISPOSITIF D'IMAGERIE
- [72] YOSHIDA, TOHRU, JP
- [72] MATSUO, KATSUYUKI, JP
- [73] CASIO COMPUTER CO., LTD., JP
- [85] 2021-08-06
- [86] 2020-01-20 (PCT/JP2020/001663)
- [87] (WO2020/202710)
- [30] JP (2019-066958) 2019-03-29
- [30] JP (2019-098137) 2019-05-24

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[13] C

- [51] Int.Cl. G06Q 40/00 (2023.01) G07D 11/30 (2019.01)
- [25] EN
- [54] CURRENCY TRACKING AND ACCOUNTING SYSTEMS
- [54] SYSTEMES DE SUIVI ET DE COMPTABILISATION DE MONNAIE
- [72] KUBAJAK, DAVID C., US
- [73] JCM AMERICAN CORPORATION, US
- [85] 2021-08-13
- [86] 2020-05-19 (PCT/US2020/033544)
- [87] (WO2020/236781)
- [30] US (62/852,013) 2019-05-23
- [30] US (16/855,089) 2020-04-22

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- [51] Int.Cl. G16H 20/10 (2018.01) G06V 10/764 (2022.01) G06V 10/82 (2022.01) G06N 3/02 (2006.01)
- [25] EN
- [54] IDENTIFICATION AND VERIFICATION OF MEDICATION
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- [72] TRUSCOTT, ANDREW J., US
- [72] BISCHOFF, ETHAN R., US
- [73] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
- [86] (3130866)
- [87] (3130866)
- [22] 2021-09-15
- [30] US (63/092,735) 2020-10-16
- [30] US (17/117,919) 2020-12-10

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[13] C

- [51] Int.Cl. A23C 9/144 (2006.01)
- [25] FR
- [54] PROCESS FOR DEMINERALISING A DAIRY-BASED PROTEIN COMPOSITION, AND DAIRY-BASED PROTEIN COMPOSITION WHICH CAN BE OBTAINED BY THE PROCESS
- [54] PROCEDE DE DEMINERALISATION D'UNE COMPOSITION PROTEIQUE LAITIERE, ET COMPOSITION PROTEIQUE LAITIERE SUSCEPTIBLE D'ETRE OBTENUE PAR LEDIT PROCEDE
- [72] GONIN, ANNE, FR
- [72] LUTIN, FLORENCE, FR
- [72] LARGETEAU, DENIS, FR
- [73] EURODIA INDUSTRIE, FR
- [85] 2021-09-23
- [86] 2020-04-02 (PCT/EP2020/059378)
- [87] (WO2020/207894)
- [30] FR (FR1903955) 2019-04-12
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[13] C

- [51] Int.Cl. H02K 1/18 (2006.01) H01F 27/24 (2006.01) H01F 27/245 (2006.01)
- [25] EN
- [54] LAMINATED CORE AND ELECTRIC MOTOR
- [54] NOYAU STRATIFIÉ ET MACHINE ELECTRIQUE TOURNANTE
- [72] KAMIKAWABATA MASAHITO, JP
- [72] HIRAYAMA RYU, JP
- [72] TAKEDA KAZUTOSHI, JP
- [73] NIPPON STEEL CORPORATION, JP
- [85] 2021-08-26
- [86] 2019-12-17 (PCT/JP2019/049267)
- [87] (WO2020/129926)
- [30] JP (2018-235860) 2018-12-17

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[13] C

[51] Int.Cl. H04L 67/55 (2022.01) H04L 67/568 (2022.01)  
[25] EN  
[54] INFORMATION SYNCHRONIZATION METHOD, SYSTEM, APPARATUS, COMPUTER DEVICE AND STORAGE MEDIUM  
[54] METHODE DE SYNCHRONISATION DES RENSEIGNEMENTS, SYSTEME, APPAREIL, ORDINATEUR ET SUPPORT DE STOCKAGE  
[72] XU, HENG, CN  
[72] WANG, YANG, CN  
[72] WANG, GANG, CN  
[72] TANG, DONG, CN  
[73] 10353744 CANADA LTD., CA  
[86] (3131954)  
[87] (3131954)  
[22] 2021-09-27  
[30] CN (202011052983.5) 2020-09-29

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[11] 3,132,212  
[13] C

[51] Int.Cl. C25C 3/22 (2006.01)  
[25] EN  
[54] SYSTEM AND METHOD FOR COLLECTING AND PRE-TREATING PROCESS GASES GENERATED BY AN ELECTROLYSIS CELL  
[54] SYSTEME ET PROCEDE DE COLLECTE ET DE PRETRAITEMENT DE GAZ DE PROCEDE GENERES PAR UNE CELLULE D'ELECTROLYSE  
[72] MEYER, MICHEL, FR  
[72] GLISAN, ROY A., US  
[73] ELYSIS LIMITED PARTNERSHIP, CA  
[85] 2021-09-01  
[86] 2020-03-19 (PCT/CA2020/050363)  
[87] (WO2020/186354)  
[30] US (62/820,917) 2019-03-20

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[13] C

[51] Int.Cl. A61K 9/127 (2006.01) A61K 33/00 (2006.01) A61K 41/00 (2020.01) A61P 9/10 (2006.01)  
[25] EN  
[54] NEUROPROTECTIVE LIPOSOME COMPOSITIONS AND METHODS FOR TREATMENT OF STROKE  
[54] COMPOSITIONS LIPOSOMALES NEUROPROTECTRICES ET METHODES DE TRAITEMENT D'UN ACCIDENT VASCULAIRE CEREBRAL  
[72] HUANG, SHAO-LING, US  
[72] KLEGERMAN, MELVIN E., US  
[72] GENG, YONG-JIAN, US  
[72] KIM, HYUNGGUN, US  
[72] MCPHERSON, DAVID D., US  
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS, US  
[86] (3132444)  
[87] (3132444)  
[22] 2013-08-09  
[62] 2,881,096  
[30] US (61/682,130) 2012-08-10  
[30] CN (201210356929.9) 2012-09-21

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[13] C

[51] Int.Cl. A61K 36/539 (2006.01)  
[25] EN  
[54] FLAVONOID POLYPHENOL DRUG SELF-EMULSIFYING COMPOSITION, PREPARATION METHOD THEREFOR, PHARMACEUTICAL COMPOSITION THEREOF AND APPLICATION THEREOF  
[54] COMPOSITION MEDICAMENTEUSE AUTO-EMULSIFIANTE A BASE DE POLYPHENOL FLAVONOIDE, SON PROCEDE DE PREPARATION, COMPOSITION PHARMACEUTIQUE ASSOCIEE ET APPLICATION ASSOCIEE  
[72] LIU, YULING, CN  
[72] LIAO, HENGFENG, CN  
[72] GAO, YUE, CN  
[72] DONG, WUJUN, CN  
[72] LIU, ZHIHUA, CN  
[72] WANG, BANGYUAN, CN  
[72] ZHANG, YUN, CN  
[72] FENG, YU, CN  
[72] ZHOU, JUNZHUO, CN  
[72] LIU, LU, CN  
[72] YE, JUN, CN  
[72] YANG, YANFANG, CN  
[72] XIA, XUEJUN, CN  
[73] BEIJING WEHAND-BIO PHARMACEUTICAL CO., LTD, CN  
[73] INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF MEDICAL SCIENCE & PEKING UNION MEDICAL COLLEGE, CN  
[85] 2021-10-05  
[86] 2020-04-08 (PCT/CN2020/083837)  
[87] (WO2020/207417)  
[30] CN (201910278955.6) 2019-04-09

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[13] C

[51] Int.Cl. E01D 19/06 (2006.01) E01B 11/42 (2006.01)  
[25] EN  
[54] WATERPROOF EXPANSION JOINT  
[54] JOINT D'EXPANSION ETANCHE A L'EAU  
[72] HAYDU, JOSEPH, US  
[73] PPG INDUSTRIES OHIO, INC., US  
[86] (3132469)  
[87] (3132469)  
[22] 2014-08-04  
[62] 2,858,220  
[30] US (13/959463) 2013-08-05

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 [13] C

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- [25] EN
- [54] **FLEXIBLY INSERTABLE PROFILED CLAMP**
- [54] **COLLIER PROFILE POUVANT ETRE INSERE DE MANIERE FLEXIBLE**
- [72] KRAMER, MARKUS, DE
- [72] LANTSMANN, NATAN, DE
- [73] NORMA GERMANY GMBH, DE
- [85] 2021-09-07
- [86] 2020-03-30 (PCT/EP2020/058992)
- [87] (WO2020/207846)
- [30] DE (10 2019 109 196.9) 2019-04-08

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 [13] C

- [51] Int.Cl. E21B 43/12 (2006.01) E21B 23/04 (2006.01) E21B 34/10 (2006.01)
- [25] EN
- [54] **GAS VENT FOR A SEAL SECTION OF AN ELECTRICAL SUBMERSIBLE PUMP ASSEMBLY**
- [54] **EVENT A GAZ POUR UNE SECTION D'ETANCHEITE D'UN ENSEMBLE POMPE SUBMERSIBLE ELECTRIQUE**
- [72] TANNER, DAVID, US
- [72] MEYER, ARON, US
- [72] SEMPLE, RYAN, US
- [73] BAKER HUGHES OILFIELD OPERATIONS LLC, US
- [85] 2021-09-07
- [86] 2020-03-17 (PCT/US2020/023212)
- [87] (WO2020/190975)
- [30] US (62/820,018) 2019-03-18
- [30] US (16/820,983) 2020-03-17

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 [13] C

- [51] Int.Cl. A61K 33/00 (2006.01) A23L 33/10 (2016.01) A23L 33/115 (2016.01) A23P 10/30 (2016.01) A23D 7/005 (2006.01) A23L 2/52 (2006.01) A23L 2/54 (2006.01) A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 47/12 (2006.01) A61K 47/24 (2006.01) A61K 47/28 (2006.01) A61K 47/40 (2006.01) A61K 47/42 (2017.01) A61K 47/44 (2017.01) C01B 23/00 (2006.01)
- [25] EN

- [54] **LIQUIDS RICH IN NOBLE GAS AND METHODS OF THEIR PREPARATION AND USE**
- [54] **LIQUIDES RICHES EN GAZ NOBLE ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**

- [72] HUANG, SHAO-LING, US
- [72] MCPHERSON, DAVID, US
- [72] GENG, YONG-JIAN, US
- [72] YIN, XING, US
- [72] KIM, HYUNGGUN, US
- [72] KLEGERMAN, MELVIN E., US
- [72] PENG, TAO, US
- [73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
- [86] (3132914)
- [87] (3132914)
- [22] 2014-03-17
- [62] 2,905,155
- [30] US (61/788,808) 2013-03-15
- [30] US (61/889,901) 2013-10-11

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 [13] C

- [51] Int.Cl. B60R 25/30 (2013.01) B60R 25/31 (2013.01) A61G 3/00 (2006.01) F41H 13/00 (2006.01) G08B 13/196 (2006.01)
- [25] EN
- [54] **METHOD AND APPARATUS FOR MONITORING STATUS OF PERSONS IN A VEHICLE**
- [54] **PROCEDE ET APPAREIL POUR SURVEILLER L'ETAT DE PERSONNES DANS UN VEHICULE**
- [72] GALLAGHER, ERIC, IE
- [72] BOCKUS, VALDAS, IE
- [72] LOUGHNANE, COLM, IE
- [73] ATSR LIMITED, IE
- [85] 2021-09-09
- [86] 2020-03-26 (PCT/EP2020/058631)
- [87] (WO2020/193738)
- [30] GB (1904149.0) 2019-03-26

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 [13] C

- [51] Int.Cl. E21B 43/12 (2006.01) E21B 47/008 (2012.01) F04D 13/10 (2006.01) F04D 31/00 (2006.01)
- [25] EN
- [54] **DOWNTIME WET GAS COMPRESSOR PROCESSOR**
- [54] **PROCESSEUR A COMPRESSEUR DE GAZ HUMIDE DE FOND DE TROU**
- [72] HUGHES, MICHAEL FRANKLIN, US
- [72] VAN DAM, JEREMY DANIEL, US
- [72] MICHELASSI, VITTORIO, US
- [72] HARBAR, SCOTT ALAN, US
- [72] DU CAUZE DE NAZELLE, RENE, US
- [73] BAKER HUGHES ESP, INC., US
- [86] (3133286)
- [87] (3133286)
- [22] 2015-02-24
- [62] 2,940,171
- [30] US (61/943,866) 2014-02-24

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 [13] C

- [51] Int.Cl. A47C 7/62 (2006.01) A47C 1/032 (2006.01) A47C 7/72 (2006.01)
- [25] EN
- [54] **MODULAR COMPONENTS FOR FURNITURE MEMBERS**
- [54] **ELEMENTS MODULAIRES POUR ELEMENTS DE MOBILIER**
- [72] RAINS, JASON D., US
- [72] LARSEN, CHRISTOPHER A., US
- [72] MCCLUNG, MARK D., US
- [72] BAKER, JASON M., US
- [73] LA-Z-BOY INCORPORATED, US
- [85] 2021-09-08
- [86] 2020-03-31 (PCT/US2020/026007)
- [87] (WO2020/205887)
- [30] US (16/371,925) 2019-04-01

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- [25] EN
- [54] **METHOD AND DEVICE FOR CONTROLLING THE MOVEMENT OF A MOBILE CHASSIS ASSEMBLY, IN PARTICULAR OF A MOBILE CONVEYOR BRIDGE SYSTEM PROVIDED WITH CRAWLER CHASSIS, VIA MULTIPLE INDIVIDUALLY SPEED-CONTROLLABLE DRIVE UNITS**
- [54] **PROCEDE ET DISPOSITIF DE REGLAGE DU DEPLACEMENT D'UN AGENCEMENT DE CHASSIS MOBILE, EN PARTICULIER D'UN SYSTEME DE PONT DE TRANSPORT MOBILE MUNI D'UN CHASSIS A CHENILLES, PAR LE BI AIS DE PLUSIEURS UNITES D'ENTRAINEMENT DONT LA VITESSE PEUT ETRE REGLEE INDIVIDUELLEMENT**
- [72] PALNAU, VADIM, DE
- [73] FLSMIDTH A/S, DK
- [85] 2021-09-13
- [86] 2020-03-20 (PCT/EP2020/057750)
- [87] (WO2020/200837)
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- [25] EN
- [54] **APPARATUS AND METHOD FOR PASSING SUTURE THROUGH SOFT TISSUE**
- [54] **APPAREIL ET PROCEDE DE PASSAGE DE SUTURE A TRAVERS UN TISSU MOU**
- [72] HENEVELD, SCOTT, US
- [73] PASSER STITCH, LLC., US
- [85] 2021-09-15
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- [25] EN
- [54] **SMART CANDLE PLATFORM AND SYSTEM**
- [54] **PLATEFORME ET SYSTEME DE BOUGIE INTELLIGENTE**
- [72] BIANCHINI, JAMIE, US
- [73] LUDELA TECHNOLOGIES LLC, US
- [85] 2021-09-21
- [86] 2020-03-20 (PCT/US2020/023979)
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- [25] EN
- [54] **METHOD AND APPARATUS FOR THE AUTOMATABLE OPERATION OF A CONVEYOR BELT SYSTEM USED IN PARTICULAR IN SURFACE MINING**
- [54] **PROCEDE ET DISPOSITIF DE FONCTIONNEMENT AUTOMATIQUE D'UNE INSTALLATION DE TRANSPORT A BANDE UTILISEE EN PARTICULIER DANS UNE EXPLOITATION A CIEL OUVERT**

- [72] NARO, DANIELE, DE
- [72] WALther, JULIAN, DE
- [72] GENIUS, WOLFGANG, DE
- [72] SCHMITT, MARTIN, DE
- [72] SEEHOEFER, FRANK, DE
- [73] FLSMIDTH A/S, DK
- [85] 2021-09-23
- [86] 2020-03-20 (PCT/EP2020/057746)
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- [25] EN
- [54] **SYSTEM AND METHOD OF LAWFUL ACCESS TO SECURE COMMUNICATIONS**
- [54] **SISTÈME ET PROCÉDÉ D'ACCÈS LEGAL À DES COMMUNICATIONS SÉCURISÉES**
- [72] BUCKLEY, MICHAEL EOIN, US
- [72] CAMPAGNA, MATTHEW JOHN, US
- [72] ZAVERUCHA, GREGORY MARC, US
- [73] BLACKBERRY LIMITED, CA
- [86] (3135341)
- [87] (3135341)
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- [25] EN
- [54] **CAPSULES**
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- [72] CARDOSO, MARIANA B T, BE
- [72] BARROS, ANDRE MARTIM, BE
- [72] DE NIES, PETER, BE
- [72] VERSTRAETE, PIERRE DANIEL, BE
- [72] WONG, VALERIE, US
- [72] SMITH, STEVEN DARYL, US
- [72] SMETS, JOHAN, BE
- [73] THE PROCTER & GAMBLE COMPANY, US
- [85] 2021-09-28
- [86] 2020-04-17 (PCT/US2020/028621)
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  - [25] EN
  - [54] ROUTING SQL STATEMENTS TO ELASTIC COMPUTE NODES USING WORKLOAD CLASS
  - [54] ACHEMINEMENT DES ENONCES SQL VERS DES NOEUDS DE CALCUL ELASTIQUES AU MOYEN D'UNE CATEGORIE DE CHARGE DE TRAVAIL
  - [72] CHOI, JAEYOUNG, DE
  - [72] KIM, DEOK HOE, DE
  - [72] KIM, KYU HWAN, DE
  - [72] LEE, CHAE KWANG, DE
  - [72] LEE, JANE JUNG, DE
  - [72] LEE, JUCHANG, DE
  - [73] SAP SE, DE
  - [86] (3136455)
  - [87] (3136455)
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- [25] EN
- [54] OLEFIN TRIMERIZATION
- [54] TRIMERISATION DE L'OLEFINE
- [72] PYHALAHTI, ANTTI, FI
- [72] KANERVO, JAANA, FI
- [73] NESTE OYJ, FI
- [86] (3137511)
- [87] (3137511)
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  - [25] EN
  - [54] TEMPERATURE PROBE HUBS
  - [54] EMBASES DE SONDE DE TEMPERATURE
  - [72] BHOGAL, NIKHIL, US
  - [72] SCHMIDT, MATHIAS, US
  - [72] GLENNON, KEVIN, US
  - [72] SCHILT, ANGELA, US
  - [72] MARTINEZ, JOSE, US
  - [72] BEYRER, NICHOLAS EDWARD, US
  - [73] WEBER-STPHEN PRODUCTS LLC, US
  - [85] 2021-10-20
  - [86] 2019-12-03 (PCT/US2019/064155)
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  - [30] US (62/868,625) 2019-06-28
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- [25] EN
- [54] PROCESSING METHOD AND PROCESSING DEVICE FOR ELECTRONIC/ELECTRICAL DEVICE COMPONENT SCRAP
- [54] PROCEDE DE TRAITEMENT ET DISPOSITIF DE TRAITEMENT POUR DECHETS DE COMPOSANT DE DISPOSITIF ELECTRONIQUE/ELECTRIQUE
- [72] AOKI, KATSUSHI, JP
- [73] JX METALS CORPORATION, JP
- [85] 2021-10-21
- [86] 2020-04-22 (PCT/JP2020/017390)
- [87] (WO2020/218376)
- [30] JP (2019-081346) 2019-04-22

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  - [25] EN
  - [54] DIALYSIS MACHINE TUBING PROTECTION
  - [54] PROTECTION DE TUBULURE DE MACHINE DE DIALYSE
  - [72] YUDS, DAVID J., US
  - [72] BERGMAN, ERIC D., US
  - [72] TAMAYO-COFFEY, MARIA T., US
  - [72] LECLERC, JONATHAN F., US
  - [72] STEUBER, JESSICA M., US
  - [73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
  - [85] 2021-10-21
  - [86] 2020-04-10 (PCT/US2020/027613)
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- [25] EN
- [54] DEVICE AND METHOD FOR REMOVING AT LEAST ONE COOLING ELEMENT FROM AN AT LEAST PARTIALLY DEMOULDED CAST PART, METHOD FOR INTRODUCING AT LEAST ONE COOLING ELEMENT INTO A MOULD CORE OF A CAST PART MOULD, COOLING ELEMENT AND CAST PART
- [54] DISPOSITIF ET PROCEDE POUR RETIRER AU MOINS UN ELEMENT DE REFROIDISSEMENT D'UNE PIECE MOULEE AU MOINS PARTIELLEMENT DEMOULEE, PROCEDE POUR INTRODUIRE AU MOINS UN ELEMENT DE REFROIDISSEMENT DANS UN NOYAU DE MOULE D'UN MOULE DE COULEE, ELEMENT DE REFROIDISSEMENT ET PIECE MOULEE
- [72] BARANZKE, MATTHIAS, DE
- [72] WILHELM, JOCHEN, DE
- [72] KLAUS, GERALD, DE
- [72] WEISER, THOMAS, DE
- [72] SCHNUBEL, DIRK, DE
- [73] NEMAK. S.A.B. DE C.V., MX
- [85] 2021-10-22
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- [30] DE (10 2019 110 580.3) 2019-04-24

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[25] EN  
[54] PARTICLES FOR THROUGH THE WASH LAUNDRY SOFTENING  
[54] PARTICULES POUR L'ADOUCISSEMENT DE LINGE DE LAVAGE  
[72] PANANDIKER, RAJAN KESHAV, US  
[72] MENKHAUS, JULIE ANN, US  
[72] JOHNSON, LENAE VIRGINIA, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2021-10-26  
[86] 2020-05-08 (PCT/US2020/070033)  
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[13] C

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[25] EN  
[54] METHOD FOR PREPARATION AND SEPARATION OF ATOMIC LAYER THICKNESS PLATELETS FROM GRAPHITE OR OTHER LAYERED MATERIALS  
[54] PROCEDE DE PREPARATION ET DE SEPARATION DE PLAQUETTES D'UNE EPAISSEUR DE COUCHE ATOMIQUE DE GRAPHITE OU D'AUTRES MATERIAUX EN COUCHES  
[72] SAVSUNENKO, OLEKSANDR, UA  
[72] POLYAKOVA, ELENA, US  
[72] STOLYAROV, DANIEL, US  
[73] GRAPHENE LABORATORIES INC., US  
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[87] (3138653)  
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[30] US (62/058,313) 2014-10-01

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[13] C

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[25] EN  
[54] ERROR COMPENSATION FOR A THREE-DIMENSIONAL TRACKING SYSTEM  
[54] COMPENSATION D'ERREUR POUR UN SYSTEME DE SUIVI TRIDIMENSIONNEL  
[72] CHEN, LARRY, CA  
[72] HALLAWAY, DREXEL LEE, CA  
[72] WHITE, SHAULAINA, CA  
[72] BALKOS, ATHANASIOS TOMMY, CA  
[73] NORTHERN DIGITAL INC., CA  
[86] (3139428)  
[87] (3139428)  
[22] 2021-11-17  
[30] US (63/115,154) 2020-11-18

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[13] C

[51] Int.Cl. B30B 15/30 (2006.01) B30B 9/00 (2006.01)  
[25] EN  
[54] WASTE MATERIAL COMPACTION APPARATUS AND VEHICLE INCLUDING SAME  
[54] APPAREIL DE COMPACTION DE MATERIAU DE DECHETS ET VEHICULE COMPORTANT LEDIT APPAREIL  
[72] LAPointe, CHRISTIAN, CA  
[72] CANTIN, MAXIME, CA  
[73] SCRANTON MANUFACTURING COMPANY INC., US  
[86] (3139438)  
[87] (3139438)  
[22] 2019-04-12  
[62] 3,040,094  
[30] US (62/678,516) 2018-05-31

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[13] C

[51] Int.Cl. G01N 27/87 (2006.01) F16L 55/26 (2006.01)  
[25] EN  
[54] SINGLE POINT CONTACT TRIAXIAL SENSOR HEAD FOR AN INLINE INSPECTION TOOL  
[54] TETE DE CAPTEUR TRIAXIAL A UN SEUL POINT DE CONTACT POUR UN OUTIL D'INSPECTION EN LIGNE  
[72] MENDENHALL, TODD R., US  
[72] OWEN, BLAKE, US  
[72] MAYNARD, ED, US  
[73] TDW DELAWARE, INC., US  
[85] 2021-11-29  
[86] 2020-06-03 (PCT/US2020/035834)  
[87] (WO2020/247436)  
[30] US (62/856,202) 2019-06-03

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[13] C

[51] Int.Cl. E02F 9/28 (2006.01)  
[25] EN  
[54] GROUND ENGAGING TOOL ASSEMBLY WITH ADAPTER FOR ATTACHING TIP TO MACHINE IMPLEMENT  
[54] ENSEMBLE OUTIL DE MISE EN PRISE AVEC LE SOL DOTE D'UN ADAPTATEUR PERMETTANT DE FIXER UNE POINTE A UN ACCESSOIRE DE MACHINE  
[72] MCCAFFREY, BRANDON H., US  
[72] BALAN, MIHAI M., US  
[73] CATERPILLAR INC., US  
[85] 2021-10-06  
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  - [54] COMPOSE CYCLIQUE FUSIONNE EN TANT QU'INHIBITEUR DOUBLE DE FGFR ET VEGFR
  - [72] CHEN, ZHENGXIA, CN
  - [72] TAN, HAIZHONG, CN
  - [72] ZHANG, YANG, CN
  - [72] LI, JIAN, CN
  - [72] CHEN, SHUHUI, CN
  - [73] CGENETECH (SUZHOU, CHINA) CO., LTD., CN
  - [85] 2021-12-10
  - [86] 2020-06-12 (PCT/CN2020/095864)
  - [87] (WO2020/249096)
  - [30] CN (201910516134.1) 2019-06-14
  - [30] CN (201911044514.6) 2019-10-30
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- [25] EN
- [54] TRANSACTION LOG PROCESSING METHOD, DEVICE AND SYSTEM
- [54] METHODE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'UN JOURNAL DES TRANSACTIONS
- [72] SUN, JIANQIANG, CN
- [72] SHEN, YUCHEN, CN
- [72] WU, JIE, CN
- [72] ZHANG, XI, CN
- [72] YANG, JINZHU, CN
- [73] 10353744 CANADA LTD., CA
- [86] (3141599)
- [87] (3141599)
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  - [25] EN
  - [54] TWO-PIECE BLIND FASTENER AND INSTALLATION TOOL
  - [54] FIXATION EN AVEUGLE EN DEUX MORCEAUX ET OUTIL D'INSTALLATION
  - [72] COBZARU, CRISTINEL, US
  - [72] HOFFARTH, BRIAN, US
  - [73] SPS TECHNOLOGIES, LLC, US
  - [86] (3142366)
  - [87] (3142366)
  - [22] 2021-12-15
  - [30] US (63/126,799) 2020-12-17
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- [25] EN
- [54] LOCK BAR-ON-SLIDE RAIL STYLE DRAWER ANTITIPPING SAFETY DEVICE
- [54] DISPOSITIF DE SECURITE ANTI-BASCULEMENT A TIROIR DE STYLE A GLISSEMENT SUR RAIL AVEC BARRE DE SURETE
- [72] CHEN, YI-CHUN, TW
- [73] CHEN, YI-CHUN, TW
- [86] (3142653)
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  - [25] EN
  - [54] [((1R,2S,5R)-2-ISOPROPYL-5-METHYL-CYCLOHEXANE CARBONYL)-AMINO]-ACETIC ACID ISOPROPYL ESTER FOR TREATMENT OF CHRONIC COUGH
  - [54] ESTER ISOPROPYLIQUE D'ACIDE [((1R,2S,5R)-2-ISOPROPYL-5-METHYL-CYCLOHEXANE CARBONYL)-AMINO]-ACETIQUE POUR TRAITER LA TOUX CHRONIQUE
  - [72] POIROT, OLIVIER, CH
  - [72] WOODCOCK, ASHLEY, CH
  - [73] AXALBION SA, CH
  - [85] 2021-12-09
  - [86] 2020-06-10 (PCT/EP2020/066065)
  - [87] (WO2020/249607)
  - [30] GB (1908219.7) 2019-06-10
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- [25] EN
- [54] ADDITION POLYMER FOR ELECTRODEPOSITABLE COATING COMPOSITIONS
- [54] POLYMERES D'ADDITION POUR COMPOSITIONS DE REVETEMENT ELECTRODEPOSABLES
- [72] DACKO, CHRISTOPHER A., US
- [72] MAYO, MICHAEL A., US
- [72] MCCOLLUM, GREGORY J., US
- [73] PRC-DESOTO INTERNATIONAL, INC., US
- [85] 2021-12-20
- [86] 2020-06-29 (PCT/US2020/040055)
- [87] (WO2020/264471)
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 [25] EN  
 [54] COMPOSITION FOR PREVENTING OR TREATING PARKINSON'S DISEASE COMPRISING O-CYCLIC PHYTOSPHINGOSINE-1-PHOSPHATE  
 [54] COMPOSITION POUR LA PREVENTION OU LE TRAITEMENT DE LA MALADIE DE PARKINSON COMPRENANT DU O-CYCLIC PHYTOSPHINGOSINE-1-PHOSPHATE  
 [72] HAN, WON KYO, KR  
 [72] PARK, YOUNG JUN, KR  
 [72] CHOI, MYEONG JUN, KR  
 [73] AXCESO BIOPHARMA CO., LTD., KR  
 [85] 2021-12-30  
 [86] 2020-07-09 (PCT/KR2020/009015)  
 [87] (WO2021/006663)  
 [30] KR (10-2019-0083866) 2019-07-11
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[13] C

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 [25] EN  
 [54] FLUID COLLECTION DEVICES INCLUDING AN OPENING HAVING AN INCREASED WIDTH, AND SYSTEMS AND METHODS OF USE  
 [54] DISPOSITIFS DE COLLECTE DE FLUIDE COMPRENANT UNE OUVERTURE AYANT UNE LARGEUR ACCRUE, ET SYSTEMES ET METHODES D'UTILISATION  
 [72] JOHANNES, ASHLEY MARIE, US  
 [72] SKELTON, SARAH, US  
 [72] EVANS, MEGAN, US  
 [73] PUREWICK CORPORATION, US  
 [85] 2022-01-06  
 [86] 2020-07-06 (PCT/US2020/040860)  
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 [30] US (62/871,830) 2019-07-09

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 [25] EN  
 [54] METHOD AND APPARATUS FOR PRODUCING WELL WITH BACKUP GAS LIFT AND AN ELECTRICAL SUBMERSIBLE WELL PUMP  
 [54] PROCEDE ET APPAREIL POUR PRODUIRE UN PUITS AVEC UN ELEVATEUR DE GAZ DE SECOURS ET UNE POMPE DE PUITS SUBMERSIBLE ELECTRIQUE  
 [72] CONRAD, CALEB MARCHANT, US  
 [73] BAKER HUGHES OILFIELD OPERATIONS LLC, US  
 [85] 2022-02-23  
 [86] 2020-08-21 (PCT/US2020/047318)  
 [87] (WO2021/041178)  
 [30] US (62/890,867) 2019-08-23  
 [30] US (16/996,234) 2020-08-18
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 [25] EN  
 [54] NON-ORIENTED ELECTRICAL STEEL PLATE AND MANUFACTURING METHOD THEREFOR  
 [54] TOLE D'ACIER ELECTRIQUE NON ORIENTEE ET SON PROCEDE DE FABRICATION  
 [72] ZHANG, FENG, CN  
 [72] CHU, SHUANGJIE, CN  
 [72] WANG, BO, CN  
 [72] ZHANG, WENYUE, CN  
 [72] SHEN, KANYI, CN  
 [72] LI, GUOBIAO, CN  
 [73] BAOSHAN IRON & STEEL CO., LTD., CN  
 [85] 2022-02-04  
 [86] 2020-08-26 (PCT/CN2020/111404)  
 [87] (WO2021/037063)  
 [30] CN (201910790431.5) 2019-08-26

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[13] C

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 [25] EN  
 [54] SYSTEM AND METHOD FOR AUTOMATED CALANDRIA TUBE INSTALLATION  
 [54] SYSTEME ET METHODE D'INSTALLATION AUTOMATISEE DE TUBE DE CUVE  
 [72] MORIKAWA, DAVID TARO, CA  
 [72] WONG, MATTHEW, CA  
 [72] JOHANNESSON, MARK, CA  
 [73] ATS CORPORATION, CA  
 [86] (3149912)  
 [87] (3149912)  
 [22] 2022-02-23  
 [30] US (63/152,823) 2021-02-23  
 [30] US (63/168,714) 2021-03-31  
 [30] US (63/168,690) 2021-03-31
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[13] C

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[73] WATSCO VENTURES LLC, US
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[72] PAYNE, MARK, US

[72] LIN, HAOMIN, US

[72] ROBERTSON, TOM, US

[73] STEWART & STEVENSON LLC, US

[86] (3201949)

[87] (3201949)

[22] 2016-03-03

[62] 2,978,706

[30] US (62/128,291) 2015-03-04

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[11] **3,203,299**

[13] C

[51] Int.Cl. F16M 13/02 (2006.01)

[25] EN

[54] MODULAR MOUNTING  
APPARATUS FOR ELECTRONIC  
DEVICE

[54] APPAREIL DE MONTAGE  
MODULAIRE POUR DISPOSITIF  
ELECTRONIQUE

[72] AMIDEI, ANTHONY, US

[73] WALMART APOLLO, LLC, US

[85] 2023-05-26

[86] 2022-02-15 (PCT/US2022/016492)

[87] (WO2022/174197)

[30] US (17/175,945) 2021-02-15

# Canadian Applications Open to Public Inspection

October 22, 2023 to October 28, 2023

## Demandes canadiennes mises à la disponibilité du public

22 octobre 2023 au 28 octobre 2023

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[13] A1

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F16B 2/10 (2006.01) F16B 7/04  
(2006.01)
- [25] EN
- [54] UMBRELLA POLE TO RAILING  
POST COUPLING ASSEMBLY
- [54] ASSEMBLAGE DE RACCORD DE  
POLE DE PARASOL A UN  
POTEAU DE GARDE-FOU
- [72] DESORCY, DANIEL B., CA
- [72] ROSKOS, JONOTHON S., CA
- [71] DESORCY, DANIEL B., CA
- [71] ROY, LESLEY ANN, CA
- [22] 2022-04-22
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[21] 3,156,221

[13] A1

- [51] Int.Cl. F24H 15/172 (2022.01) F24H  
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F24H 15/45 (2022.01)
- [25] EN
- [54] VOLUMETRIC REHEAT  
SCHEDULING FOR WATER  
HEATERS
- [54] PLANIFICATION DE  
RECHAUFFAGE  
VOLUMETRIQUE DE CHAUFFE-  
EAU
- [72] CHOWN, ROBERT M., CA
- [71] ECOSSEKER INC., CA
- [22] 2022-04-22
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[21] 3,156,467

[13] A1

- [51] Int.Cl. E21B 47/092 (2012.01) E21B  
7/04 (2006.01)
- [25] EN
- [54] DRONE-DEPLOYED MAGNETIC  
RANGING APPARATUS AND  
METHOD
- [54] APPAREIL ET METHODE DE  
TELEMETRIE MAGNETIQUE  
DEPLOYEE PAR DRONE
- [72] MCGREGOR, MALCOLM  
DOUGLAS, CA
- [72] MARTIN, TROY, CA
- [72] BARROW, WARREN, CA
- [71] HAZEN INTERNATIONAL ENERGY  
SERVICES INC., CA
- [22] 2022-04-25
- [41] 2023-10-25
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[21] 3,156,470

[13] A1

- [51] Int.Cl. A41H 1/00 (2006.01) A41H  
1/02 (2006.01) A61B 5/103 (2006.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR  
STANDARDIZED HUMAN BODY  
SIZING, AND USES THEREFOR
- [54] SYSTEME ET METHODE DE  
TAILLES HUMAINES  
NORMALISEES ET  
UTILISATIONS CONNEXES
- [72] HALL, STEPHEN, CA
- [71] ISOBODY TECHNOLOGIES INC.,  
CA
- [22] 2022-04-25
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[21] 3,156,542

[13] A1

- [51] Int.Cl. C08L 29/14 (2006.01) C08K  
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- [25] EN
- [54] MODIFIED POLYVINYL  
BUTYRAL MATERIAL, AND  
PREPARATION AND  
APPLICATIONS THEREOF
- [54] MATERIAU DE  
POLYVINYLBUTYRAL MODIFIE  
ET PREPARATION ET  
APPLICATIONS CONNEXES
- [72] CHANG, CHI-LO, TW
- [71] LEADER SHINING MATERIAL CO.,  
LTD., TW
- [22] 2022-04-27
- [41] 2023-10-27
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[21] 3,156,550

[13] A1

- [51] Int.Cl. F16L 1/028 (2006.01)
- [25] EN
- [54] METHOD AND APPARATUS FOR  
EXTRACTION OF  
SUBTERRANEAN PIPE
- [54] METHODE ET APPAREIL POUR  
L'EXTRACTION D'UNE  
CANALISATION SOUTERRAINE
- [72] BRAITHWAITE, ANDREW M., CA
- [71] BRAITHWAITE, ANDREW M., CA
- [22] 2022-04-27
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[21] 3,156,584

[13] A1

- [51] Int.Cl. B65D 33/34 (2006.01)
- [25] EN
- [54] TAMPER-EVIDENT BAG SEAL
- [54] SCEAU DE SAC A ALTERATION  
EVIDENTE
- [72] TAO, DENNY V., US
- [72] SCHULTZ, NATHAN W., US
- [72] MAYER, STEVEN A., US
- [71] INNO-PAK, LLC, US
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22 octobre 2023 au 28 octobre 2023

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[13] A1

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[25] EN  
[54] SYSTEM AND METHOD FOR MITIGATING FORCES ON TUBING STRINGS DURING INSTALLATION AND RETRIEVAL  
[54] SYSTEME ET METHODE POUR ATTENUER LES FORCES SUR LES COLONNES DE TUBAGE PENDANT LEUR INSTALLATION ET LEUR RECUPERATION  
[72] BEENTJES, IVAN, CA  
[71] SUNCOR ENERGY INC., CA  
[22] 2022-04-26  
[41] 2023-10-26
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[21] 3,157,021

[13] A1

- [51] Int.Cl. G06F 16/90 (2019.01) G06F 21/62 (2013.01)  
[25] EN  
[54] ON-DEMAND REAL-TIME TOKENIZATION SYSTEMS AND METHODS  
[54] SYSTEMES ET METHODES DE MISE EN JETON EN TEMPS REEL SUR DEMANDE  
[72] NIKOGHOSSIAN, MELINE, CA  
[72] CHOWANSKI, WOJCIECH, CA  
[71] THE TORONTO-DOMINION BANK, CA  
[22] 2022-04-22  
[41] 2023-10-22
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[21] 3,157,182

[13] A1

- [51] Int.Cl. B65D 41/04 (2006.01) B65D 1/12 (2006.01)  
[25] EN  
[54] FUEL TYPE IDENTIFYING GAS CAP  
[54] BOUCHON DE RESERVOIR IDENTIFICATEUR DU TYPE DE CARBURANT  
[72] KIS, STEPHEN, CA  
[71] KIS, STEPHEN, CA  
[22] 2022-05-02  
[41] 2023-10-28  
[30] US (17/661,119) 2022-04-28
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[21] 3,157,202

[13] A1

- [51] Int.Cl. A01G 33/00 (2006.01)  
[25] EN  
[54] METHOD AND NURSERY FOR CULTURING AND OUTPLANTING SEAWEED ON A SOLID SUBSTRATE  
[54] METHODE ET LIEU DE CULTURE ET DE TRANSPLANTAGE D'ALGUES MARINES SUR UN SUBSTRAT SOLIDE  
[72] CLARK, JENNIFER, CA  
[72] CAMPBELL, TOM, CA  
[71] CASCADIA SEAWEED CORP., CA  
[22] 2022-04-25  
[41] 2023-10-25
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[21] 3,157,403

[13] A1

- [51] Int.Cl. A41D 13/00 (2006.01)  
[25] EN  
[54] ARTICLE OF WARMTH WITH INTEGRATED AND CONCEALED BATTERY RETENTION POCKET  
[54] ARTICLE DE CHALEUR COMPRENANT UNE POCHE DE RETENUE DE BATTERIE INTEGREE ET CACHEE  
[72] DESMEULES, ALAIN, CA  
[72] KASSABIAN, JULIE, CA  
[71] DESMEULES, ALAIN, CA  
[22] 2022-04-28  
[41] 2023-10-28
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[21] 3,157,527

[13] A1

- [51] Int.Cl. A47C 16/00 (2006.01) A63B 6/00 (2006.01)  
[25] EN  
[54] STACKABLE CUSHIONS  
[54] COUSSINS EMPILABLES  
[72] MORRIS, STEPHEN THOMAS CAULTON, CA  
[72] YU, COLTON KAI, CA  
[71] LULULEMON ATHLETICA CANADA INC., CA  
[22] 2022-04-27  
[41] 2023-10-27
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[21] 3,157,708

[13] A1

- [51] Int.Cl. A61M 5/172 (2006.01) A61M 5/168 (2006.01)  
[25] EN  
[54] CONTROL SYSTEM FOR INFUSION PUMP  
[54] SYSTEME DE COMMANDE POUR POMPE A PERfusion  
[72] LIZOTTE, PASCAL, CA  
[71] LIZOTTE, PASCAL, CA  
[22] 2022-04-28  
[41] 2023-10-28
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[21] 3,157,740

[13] A1

- [51] Int.Cl. A61K 31/436 (2006.01) A61K 9/127 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01)  
[25] EN  
[54] LIPOSOME COMPRISING RAPAMYCIN OR A DERIVATIVE THEREOF AND USE THEREOF IN THERAPY  
[54] LIPOSOME COMPRENANT DE LA RAPAMYCINE OU UN DERIVE CONNEXE ET UTILISATION CONNEXE EN THERAPIE  
[72] TSENG, TZU-YING, TW  
[71] PRESCIENCE BIOTECHNOLOGY INC., TW  
[22] 2022-04-28  
[41] 2023-10-28
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[21] 3,157,763

[13] A1

- [51] Int.Cl. A61K 35/20 (2006.01) A61K 31/07 (2006.01) A61K 31/215 (2006.01) A61P 29/00 (2006.01)  
[25] EN  
[54] NOVEL PAIN RELIEF COMPOSITION METHOD OF USE  
[54] NOUVELLE COMPOSITION DE SOULAGEMENT DE LA DOULEUR ET METHODE D'UTILISATION  
[72] CHENG, CHEN, CA  
[71] CHENG, CHEN, CA  
[22] 2022-04-29  
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**Canadian Applications Open to Public Inspection**  
**October 22, 2023 to October 28, 2023**

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**Demandes canadiennes mises à la disponibilité du public**  
**22 octobre 2023 au 28 octobre 2023**

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<p style="text-align: right;">[21] <b>3,190,429</b> [13] A1</p> <p>[51] Int.Cl. F16K 17/36 (2006.01) B64D 15/02 (2006.01) F16K 1/22 (2006.01) F16K 31/122 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>PRESSURE REGULATING SHUT-OFF VALVE</b></p> <p>[54] <b>ROBINET D'ARRET DE REGULATION DE PRESSION</b></p> <p>[72] MANTIA, ELIO, IT</p> <p>[72] CAPPO, MATTEO, IT</p> <p>[71] MICROTECNICA S.R.L., IT</p> <p>[22] 2023-02-15</p> <p>[41] 2023-10-26</p> <p>[30] EP (22170101.4) 2022-04-26</p>	<p style="text-align: right;">[21] <b>3,193,234</b> [13] A1</p> <p>[51] Int.Cl. E04F 13/08 (2006.01) E04F 13/076 (2006.01) E04F 13/21 (2006.01) F16B 5/06 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>CLADDING PANEL AND CLADDING SYSTEM THEREWITH</b></p> <p>[54] <b>PANNEAU ET SYSTEME DE REVETEMENT</b></p> <p>[72] VEZINA, DOMINIQUE, CA</p> <p>[71] LES PIERRES ROYALES INC., CA</p> <p>[22] 2023-03-17</p> <p>[41] 2023-10-27</p> <p>[30] US (63/335,278) 2022-04-27</p>	<p style="text-align: right;">[21] <b>3,193,777</b> [13] A1</p> <p>[51] Int.Cl. G06Q 30/0601 (2023.01) G06F 21/30 (2013.01)</p> <p>[25] EN</p> <p>[54] <b>USER VALIDATION AND DYNAMIC REVISION OF STOREFRONTS</b></p> <p>[54] <b>VALIDATION D'UTILISATEUR ET REVISION DYNAMIQUE D'UNE VITRINE DE MAGASIN</b></p> <p>[72] HO, DENNIS, CA</p> <p>[71] SHOPIFY INC., CA</p> <p>[22] 2023-03-22</p> <p>[41] 2023-10-22</p> <p>[30] US (17/727619) 2022-04-22</p>
<p style="text-align: right;">[21] <b>3,190,808</b> [13] A1</p> <p>[51] Int.Cl. A01B 63/00 (2006.01) A01B 49/06 (2006.01) A01C 7/06 (2006.01) A01C 15/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>AUTOMATIC VOLUME-BASED FRAME WEIGHT DISTRIBUTION SYSTEM AND METHOD</b></p> <p>[54] <b>SYSTEME ET METHODE DE DISTRIBUTION AUTOMATIQUE DU POIDS DU CHASSIS EN FONCTION DU VOLUME</b></p> <p>[72] RAINS, GERALD E., US</p> <p>[72] SHI, BIN, US</p> <p>[72] COWLES, KEVIN P., US</p> <p>[72] WALTER, JASON D., US</p> <p>[72] KENNY, SHAWN A., US</p> <p>[72] PETERSON, OLAF J., US</p> <p>[71] DEERE &amp; COMPANY, US</p> <p>[22] 2023-02-22</p> <p>[41] 2023-10-28</p> <p>[30] US (17/731,643) 2022-04-28</p>		

**Canadian Applications Open to Public Inspection**  
**October 22, 2023 to October 28, 2023**

<p style="text-align: right;"><b>[21] 3,194,025</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65B 69/00 (2006.01) B01L 1/00 (2006.01) B67B 7/00 (2006.01) C12M 1/00 (2006.01) C12M 1/12 (2006.01) C12M 1/26 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICE, SET, PHARMACEUTICAL PLANT AND METHOD FOR UNPACKING A PLURALITY OF ARTICLES</p> <p>[54] DISPOSITIF, ENSEMBLE, INSTALLATION PHARMACEUTIQUE ET METHODE POUR DEBALLER UNE PLURALITE D'ARTICLES</p> <p>[72] ILGENFRITZ, MARKUS, DE</p> <p>[72] KRAUB, ULRICH, DE</p> <p>[72] NAGLER, STEFAN, DE</p> <p>[72] SCHMIDL, FLORIAN, DE</p> <p>[71] SYNTEGON TECHNOLOGY GMBH, DE</p> <p>[22] 2023-03-23</p> <p>[41] 2023-10-26</p> <p>[30] DE (10 2022 110 051.0) 2022-04-26</p>	<p style="text-align: right;"><b>[21] 3,194,546</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A23L 3/36 (2006.01) F25D 13/00 (2006.01) F25D 29/00 (2006.01) G05D 23/00 (2006.01)</p> <p>[25] FR</p> <p>[54] OPTIMIZED METHOD FOR DEEP FREEZING AND THAWING FOOD PRODUCTS AND OTHER HEAT-SENSITIVE PRODUCTS IN A DEEP FREEZER CABINET</p> <p>[54] PROCEDE OPTIMISE DE SURGELATION ET DE DECONGELATION DE PRODUITS ALIMENTAIRES ET AUTRES PRODUITS THERMOSENSIBLES EN ARMOIRE DE SURGELATION</p> <p>[72] PATHIER, DIDIER, CN</p> <p>[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR</p> <p>[22] 2023-03-29</p> <p>[41] 2023-10-25</p> <p>[30] FR (2203791) 2022-04-25</p>	<p style="text-align: right;"><b>[21] 3,194,699</b></p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] HIGH ACCURACY COMPUTATIONAL METHOD IN RESISTANCE TEMPERATURE DETECTOR MEASUREMENTS</p> <p>[54] METHODE DE CALCUL TRES PRECISE DANS LES MESURES DE DETECTEUR DE TEMPERATURE A RESISTANCE</p> <p>[72] PERUMAL, RAJKUMAR, IN</p> <p>[72] KALLURI, NAGESWARA RAO, IN</p> <p>[72] ESWARAN, PRAVINSHARMA KALIYANNAN, IN</p> <p>[72] KATAKAM, SRIDHAR, IN</p> <p>[72] VALLERU, SURENDRA SOMASEKHAR, IN</p> <p>[71] HAMILTON SUNDSTRAND CORPORATION, US</p> <p>[22] 2023-03-30</p> <p>[41] 2023-10-25</p> <p>[30] IN (202211024116) 2022-04-25</p>
<p style="text-align: right;"><b>[21] 3,194,539</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E04B 1/348 (2006.01) E04B 1/04 (2006.01) E04B 1/19 (2006.01) E04G 11/02 (2006.01)</p> <p>[25] EN</p> <p>[54] CONCRETE VOID FORM AND METHOD OF MODULAR CONSTRUCTION THEREWITH</p> <p>[54] COFFRAGE A BETON FORMANT VIDE ET METHODE CONNEXE DE CONSTRUCTION MODULAIRE</p> <p>[72] NEILL, ANDREW, CA</p> <p>[71] ANC CAPITAL INC., CA</p> <p>[22] 2023-03-29</p> <p>[41] 2023-10-24</p> <p>[30] US (63334167) 2022-04-24</p> <p>[30] US (63398090) 2022-08-15</p>	<p style="text-align: right;"><b>[21] 3,194,631</b></p> <p style="text-align: right;">[13] A1</p> <p>[25] FR</p> <p>[54] DEVICE FOR MONITORING THE OPERATION OF ELECTRIC CABLES IN A MESH NETWORK</p> <p>[54] DISPOSITIF DE SURVEILLANCE DU FONCTIONNEMENT DE CABLES ELECTRIQUES DANS UN RESEAU MAILLE</p> <p>[72] GRIOT, SAMUEL, FR</p> <p>[72] CHARRIER, DIMITRI, FR</p> <p>[72] KAFAL, MOUSSA, FR</p> <p>[71] NEXANS, FR</p> <p>[22] 2023-03-30</p> <p>[41] 2023-10-26</p> <p>[30] FR (2203851) 2022-04-26</p>	<p style="text-align: right;"><b>[21] 3,194,817</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G05B 19/042 (2006.01) F02D 28/00 (2006.01) F02D 29/02 (2006.01) F02D 41/30 (2006.01) F02D 41/36 (2006.01) H03K 7/08 (2006.01) H04L 12/40 (2006.01)</p> <p>[25] EN</p> <p>[54] COMMUNICATION METHOD &amp; SYSTEM BETWEEN ELECTRONIC DEVICES</p> <p>[54] METHODE DE COMMUNICATION ET SYSTEME ENTRE LES DISPOSITIFS ELECTRONIQUES</p> <p>[72] BECIC, DZENAN, CA</p> <p>[72] SINGH, PRABHJOT, AU</p> <p>[72] OTAAL, NIHIL, IN</p> <p>[71] PRO TUNING FREAKS INC., CA</p> <p>[22] 2023-03-31</p> <p>[41] 2023-10-27</p>
		<p style="text-align: right;"><b>[21] 3,195,629</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61L 15/20 (2006.01)</p> <p>[25] EN</p> <p>[54] HEMP PAD AND RELATED METHOD OF MANUFACTURE</p> <p>[54] TAPIS DE CHANvre ET METHODE DE FABRICATION</p> <p>[72] BATES, LYALL DONALD, CA</p> <p>[71] BATES, LYALL DONALD, CA</p> <p>[22] 2023-04-11</p> <p>[41] 2023-10-22</p> <p>[30] US (63333732) 2022-04-22</p>

## Demandes canadiennes mises à la disponibilité du public

22 octobre 2023 au 28 octobre 2023

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[13] A1

- [51] Int.Cl. B66D 1/58 (2006.01) B64D 1/22 (2006.01) B64D 25/00 (2006.01) B66D 1/60 (2006.01)  
[25] EN  
[54] AUGMENTED HOIST CABLE CUT ALGORITHM  
[54] ALGORITHME AMELIORE DE COUPE DE CABLE DE LEVAGE  
[72] HARIRAM, SRIDHAR, IN  
[72] KALATHUR SRINIVASAN, RAJAGOPAL, US  
[72] NELLIKKURUSSI KALARIKKAL, GREESHMA, IN  
[72] MAHEVE, MANJU, IN  
[71] GOODRICH CORPORATION, US  
[22] 2023-04-12  
[41] 2023-10-28  
[30] IN (202241025009) 2022-04-28  
[30] US (17/864,271) 2022-07-13
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[21] 3,195,968

[13] A1

- [51] Int.Cl. B25J 15/06 (2006.01) B07C 5/36 (2006.01)  
[25] EN  
[54] SUCTION HEAD FOR A WASTE SORTING SYSTEM  
[54] TETE ASPIRANTE POUR SYSTEME DE TRI DE DECHETS  
[72] BOERHOF, HENK, NL  
[72] STOLWIJK, WILHELMUS FREDERIK ADRIANUS, NL  
[71] BOLLEGRAAF PATENTS AND BRANDS B.V., NL  
[22] 2023-04-13  
[41] 2023-10-22  
[30] NL (2031663) 2022-04-22
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[21] 3,196,088

[13] A1

- [51] Int.Cl. A22C 21/00 (2006.01) B65G 37/00 (2006.01) B65G 47/61 (2006.01) B65G 47/90 (2006.01)  
[25] EN  
[54] A SYSTEM AND METHOD FOR AUTOMATICALLY SUSPENDING POULTRY FROM A CARRIER OF A CARRIER CONVEYOR  
[54] SYSTEME ET METHODE POUR LA SUSPENSION AUTOMATIQUE DE VOLAILLE D'UN CHARIOT DE CONVOYEUR  
[72] VAN STEIJN, ALOYSIUS CHRISTIANUS MARIA, NL  
[72] VAN STRALEN, RICK SEBASTIAAN, NL  
[72] AL, RENE GERARDUS HENDRICUS, NL  
[71] MEYN FOOD PROCESSING TECHNOLOGY B.V., NL  
[22] 2023-04-13  
[41] 2023-10-22  
[30] NL (2031671) 2022-04-22
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[21] 3,196,090

[13] A1

- [51] Int.Cl. A22C 21/00 (2006.01) B65G 37/00 (2006.01) B65G 47/61 (2006.01) B65G 47/90 (2006.01)  
[25] EN  
[54] A SYSTEM AND METHOD FOR AUTOMATICALLY SUSPENDING POULTRY FROM A CARRIER OF A CARRIER CONVEYOR  
[54] SYSTEME ET METHODE POUR LA SUSPENSION AUTOMATIQUE DE VOLAILLE D'UN CHARIOT DE CONVOYEUR  
[72] VAN STEIJN, ALOYSIUS CHRISTIANUS MARIA, NL  
[72] VAN STRALEN, RICK SEBASTIAAN, NL  
[72] AL, RENE GERARDUS HENDRICUS, NL  
[71] MEYN FOOD PROCESSING TECHNOLOGY B.V., NL  
[22] 2023-04-13  
[41] 2023-10-22  
[30] NL (2031668) 2022-04-22
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[21] 3,196,118

[13] A1

- [51] Int.Cl. G06Q 20/34 (2012.01) G06Q 20/24 (2012.01) G06Q 40/03 (2023.01)  
[25] EN  
[54] METHOD AND APPARATUS FOR PROVISION OF A VIRTUAL CARD HAVING A PERSISTENT PRIMARY ACCOUNT NUMBER  
[54] METHODE ET APPAREIL POUR LA FOURNITURE D'UNE CARTE VIRTUELLE AYANT UN NUMERO DE COMPTE PRINCIPAL PERMANENT  
[72] HAIDER, THOMAS, US  
[72] DAO, ANGELA, US  
[71] AFFIRM, INC., US  
[22] 2023-04-14  
[41] 2023-10-25  
[30] US (17/728,386) 2022-04-25
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[21] 3,197,186

[13] A1

- [51] Int.Cl. E21B 21/01 (2006.01) E21B 15/00 (2006.01)  
[25] EN  
[54] CONFIGURABLE DRILL FLUID CONTAINMENT DEVICE  
[54] DISPOSITIF CONFIGURABLE DE CONFINEMENT DE FLUIDE DE FORAGE  
[72] SAUNDERS, CHRISTOPHER J., US  
[72] KINNEY, JUSTIN BENJAMIN, US  
[72] EID, ROY GEORGE, US  
[71] NATIONAL OILWELL VARCO, L.P., US  
[22] 2023-04-13  
[41] 2023-10-22  
[30] US (63/334,002) 2022-04-22  
[30] US (17/929,866) 2022-09-06
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[21] 3,197,236

[13] A1

- [51] Int.Cl. H02B 1/56 (2006.01) H05K 7/20 (2006.01)  
[25] EN  
[54] SYSTEMS AND METHODS FOR TRANSFERRING HEAT GENERATED IN AN ELECTRICAL ENCLOSURE  
[54] SYSTEMES ET METHODES POUR TRANSFERER LA CHALEUR GENEREE DANS UNE ENCEINTE ELECTRIQUE  
[72] KHZOUZ, ERIK RYAN, US  
[71] ABB SCHWEIZ AG, CH  
[22] 2023-04-17  
[41] 2023-10-22  
[30] US (17/726,969) 2022-04-22
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**Canadian Applications Open to Public Inspection**  
**October 22, 2023 to October 28, 2023**

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<p style="text-align: right;">[21] <b>3,197,271</b>  [13] A1</p> <p>[51] Int.Cl. G06F 11/08 (2006.01) G06F 12/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR COMPUTER-ASSISTED OPERATION OF A MEMORY UNIT AND EXECUTION OF APPLICATION PROGRAMS HAVING MEMORY CHECKING FOR MEMORY ERRORS</p> <p>[54] METHODE POUR UNE EXPLOITATION ASSISTEE PAR ORDINATEUR D'UNE MEMOIRE ET UNE EXECUTION DES PROGRAMMES D'APPLICATION DISPOSANT DE LA MEMOIRE POUR VERIFIER LES ERREURS DE MEMOIRE</p> <p>[72] SCHALLENBERG, ANDREAS, DE</p> <p>[72] SEEMANN, MARKUS, DE</p> <p>[72] GERKEN, STEFAN, DE</p> <p>[71] SIEMENS MOBILITY GMBH, DE</p> <p>[22] 2023-04-17</p> <p>[41] 2023-10-22</p> <p>[30] EP (22169515.8) 2022-04-22</p>	<p style="text-align: right;">[21] <b>3,197,298</b>  [13] A1</p> <p>[51] Int.Cl. A61K 31/164 (2006.01) A61K 31/202 (2006.01) A61K 31/4045 (2006.01) A61P 25/00 (2006.01)</p> <p>[25] EN</p> <p>[54] N-PALMITOYLETHANOLAMIDE AND MELATONIN FOR USE IN THE TREATMENT OF AUTISM SPECTRUM DISORDER AND OTHER NEUROBEHAVIORAL DISORDERS SIMILARLY ACCOMPANIED BY RESTLESSNESS, IRRITABILITY, SLEEP DISORDERS, AND POTENTIALLY STEREOTYPIES</p> <p>[54] N-PALMITOYLETHANOLAMIDE ET MELATONINE AUX FINS D'UTILISATION DANS LE TRAITEMENT DE TROUBLES DU SPECTRE DE L'AUTISME ET D'AUTRES TROUBLES NEUROCOMPORTEMENTAUX ACCOMPAGNES D'INSTABILITE PSYCHOMOTRICE, D'IRRITABILITE, DE TROUBLES DE SOMMEIL ET EVENTUELLEMENT DE STEREOTYPIES</p> <p>[72] DELLA VALLE, RAFFAELLA, IT</p> <p>[72] DELLA VALLE, MARIA FEDERICA, IT</p> <p>[72] MARCOLONGO, GABRIELE, IT</p> <p>[72] GOMIERO, CHIARA, IT</p> <p>[72] CUZZOCREA, SALVATORE, IT</p> <p>[72] CALIGNANO, ANTONIO, IT</p> <p>[72] CRISTIANO, CLAUDIO, IT</p> <p>[71] EPITECH GROUP S.P.A., IT</p> <p>[22] 2023-04-18</p> <p>[41] 2023-10-22</p> <p>[30] IT (102022000007952) 2022-04-22</p>	<p style="text-align: right;">[21] <b>3,197,396</b>  [13] A1</p> <p>[25] EN</p> <p>[54] THERMAL IMAGER DEVICES</p> <p>[54] DISPOSITIFS D'IMAGERIE THERMIQUE</p> <p>[72] KUTER-ARNEBECK, OTTOLEO, US</p> <p>[72] GABBEY, NICHOLAS A., US</p> <p>[71] SNAP-ON INCORPORATED, US</p> <p>[22] 2023-04-18</p> <p>[41] 2023-10-25</p> <p>[30] US (17/728964) 2022-04-25</p>
<p style="text-align: right;">[21] <b>3,197,282</b>  [13] A1</p> <p>[51] Int.Cl. G06F 11/08 (2006.01) G06F 12/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR COMPUTER-ASSISTED OPERATION OF A MEMORY UNIT AND EXECUTION OF APPLICATION PROGRAMS HAVING REDUNDANT DATA STORAGE</p> <p>[54] METHODE POUR UNE EXPLOITATION ASSISTEE PAR ORDINATEUR D'UNE MEMOIRE ET UNE EXECUTION DES PROGRAMMES D'APPLICATION DISPOSANT D'ELEMENTS DE STOCKAGE DE DONNEES REDONDANTS</p> <p>[72] SCHALLENBERG, ANDREAS, DE</p> <p>[72] SEEMANN, MARKUS, DE</p> <p>[72] GERKEN, STEFAN, DE</p> <p>[71] SIEMENS MOBILITY GMBH, DE</p> <p>[22] 2023-04-17</p> <p>[41] 2023-10-22</p> <p>[30] EP (22169517.4) 2022-04-22</p>	<p style="text-align: right;">[21] <b>3,197,357</b>  [13] A1</p> <p>[51] Int.Cl. B29C 65/70 (2006.01) F21V 3/04 (2018.01) F21V 9/08 (2018.01)</p> <p>[25] EN</p> <p>[54] LED LIGHTING DEVICE AND METHOD FOR ASSEMBLING LED LIGHTING DEVICE</p> <p>[54] DISPOSITIF D'ECLAIRAGE A DEL ET METHODE D'ASSEMBLAGE</p> <p>[72] AN, KETAK, US</p> <p>[71] BITRO GROUP, INC., US</p> <p>[22] 2023-04-20</p> <p>[41] 2023-10-26</p> <p>[30] US (18/131,080) 2023-04-05</p> <p>[30] US (63/334,857) 2022-04-26</p>	<p style="text-align: right;">[21] <b>3,197,433</b>  [13] A1</p> <p>[51] Int.Cl. G06V 40/40 (2022.01) G06V 40/16 (2022.01) G06V 40/18 (2022.01)</p> <p>[25] EN</p> <p>[54] FACE BIOMETRIC RECOGNITION WITH ANTI-SPOOFING</p> <p>[54] RECONNAISSANCE FACIALE BIOMETRIQUE AVEC FONCTION ANTI-MYSTIFICATION</p> <p>[72] O'CONNOR, KYLE JAMES, US</p> <p>[72] MYHRER, ERIK, US</p> <p>[72] ACKERMAN, DAVID ALAN, US</p> <p>[71] PRINCETON IDENTITY, US</p> <p>[22] 2023-04-19</p> <p>[41] 2023-10-27</p> <p>[30] US (63/335,252) 2022-04-27</p>
<p style="text-align: right;">[21] <b>3,197,444</b>  [13] A1</p> <p>[51] Int.Cl. A21B 5/08 (2006.01) A47J 37/12 (2006.01) B65G 49/02 (2006.01) A23L 5/10 (2016.01)</p> <p>[25] EN</p> <p>[54] CONTINUOUS FRYING DEVICE</p> <p>[54] DISPOSITIF DE FRITURE EN CONTINU</p> <p>[72] TUBIC, TIHOMIR, NL</p> <p>[72] MEULENDIJKS, JOHANNES MARTINUS, NL</p> <p>[72] DUNNEWIND, ALBERTUS, NL</p> <p>[71] MAREL FURTHER PROCESSING B.V., NL</p> <p>[22] 2023-04-18</p> <p>[41] 2023-10-22</p> <p>[30] NL (2031667) 2022-04-22</p>		

**Demandes canadiennes mises à la disponibilité du public**  
**22 octobre 2023 au 28 octobre 2023**

<p style="text-align: right;">[21] <b>3,197,449</b>  [13] A1</p> <p>[51] <b>Int.Cl. E06B 7/14 (2006.01) E06B 1/70 (2006.01)</b>  [25] EN  [54] <b>WATER EVACUATION SYSTEM FOR FACADE SYSTEMS</b>  [54] <b>SISTÈME D'ÉVACUATION D'EAU POUR DES SYSTÈMES DE FAÇADE</b>  [72] BARBULESCU, ION-HORATIU, US  [72] DELGADO, EMMANUEL, US  [72] FAEQ, AHMAD HASSAN, US  [72] NGUYEN, THUAN, US  [72] SALAZAR, DAVID, US  [72] TRAN, HUONG NGOC, US  [72] TRAN, THANH NHAN, US  [71] ARCONIC TECHNOLOGIES LLC, US  [22] 2023-04-18  [41] 2023-10-26  [30] US (63/335,104) 2022-04-26</p>	<p style="text-align: right;">[21] <b>3,197,510</b>  [13] A1</p> <p>[25] EN  [54] <b>MAGNET WIRE WITH CORONA RESISTANT POLYIMIDE INSULATION</b>  [54] <b>FIL DE BOBINAGE COMPRENANT UNE ISOLATION DE POLYIMIDE RESISTANTE À L'EFFET DE COURONNE</b>  [72] LEACH, MATTHEW, US  [72] CONNELL, JAMES J., US  [72] GUISINGER, ALLEN ROE, US  [72] KNERR, ALLAN R., US  [72] MCFARLAND, FREDERICK MARSHALL, US  [72] MCFARLAND, TAMANNA FERDOUS, US  [72] SAID, MOHAMMAD MAZHAR, US  [71] ESSEX FURUKAWA MAGNET WIRE USA LLC, US  [22] 2023-04-19  [41] 2023-10-28  [30] US (17/731.350) 2022-04-28</p>	<p style="text-align: right;">[21] <b>3,197,553</b>  [13] A1</p> <p>[25] EN  [54] <b>SYSTEM AND METHOD FOR CLASSIFYING OBFUSCATED TRAFFIC FLOWS</b>  [54] <b>SISTÈME ET MÉTHODE POUR CLASSEZ LES FLUX DE TRAFIC BROUILLES</b>  [72] PALANISAMY, ANURAM, IN  [71] SANDVINE CORPORATION, CA  [22] 2023-04-20  [41] 2023-10-25  [30] IN (202211024276) 2022-04-25  [30] EP (23168821.9) 2023-04-19</p>
<p style="text-align: right;">[21] <b>3,197,458</b>  [13] A1</p> <p>[25] FR  [54] <b>STANDOFF ACCESSORY</b>  [54] <b>ACCESSIONE D'ENTRETOISEMENT</b>  [72] SELLIER, JULIEN, FR  [72] SIDRE, JEAN-BERNARD, FR  [72] DEBUS, HERVE, FR  [71] SAINT-GOBAIN ISOVER, FR  [22] 2023-04-19  [41] 2023-10-22  [30] FR (2203760) 2022-04-22</p>	<p style="text-align: right;">[21] <b>3,197,531</b>  [13] A1</p> <p>[51] <b>Int.Cl. B61L 25/02 (2006.01) B61L 3/00 (2006.01) B61L 23/00 (2006.01) B61L 27/00 (2022.01)</b>  [25] EN  [54] <b>SYSTEM AND METHOD FOR CONTROLLING A TRAIN TRAVELLING ALONG A RAILWAY LINE</b>  [54] <b>SISTÈME ET MÉTHODE POUR CONTRÔLER LE DÉPLACEMENT D'UN TRAIN LE LONG D'UNE LIGNE DE CHEMIN DE FER</b>  [72] ROSS, JOHN, US  [72] FRIES, JEFFREY, US  [72] SALINAS, MAXIMO, US  [72] CLARK, SHAWN, US  [72] BACKES, JESS, US  [72] MITCHELL, MICHAEL SCOTT, US  [71] ALSTOM HOLDINGS, FR  [22] 2023-04-20  [41] 2023-10-25  [30] US (17/660.557) 2022-04-25</p>	<p style="text-align: right;">[21] <b>3,197,557</b>  [13] A1</p> <p>[51] <b>Int.Cl. A61B 8/08 (2006.01) A61B 5/107 (2006.01)</b>  [25] EN  [54] <b>WEARABLE 3D ULTRASOUND-BASED WHOLE BREAST IMAGING SYSTEM</b>  [54] <b>SISTÈME D'IMAGERIE DU SEIN COMPLET UTILISANT UN ADAPTATEUR ULTRASONORE 3D À PORTER</b>  [72] FENSTER, AARON, CA  [72] BAX, JEFFREY, CA  [72] TESSIER, DAVID RONALD, CA  [72] PARK, CLAIRE KEUN SUN, CA  [71] FENSTER, AARON, CA  [22] 2023-04-20  [41] 2023-10-28  [30] US (63/335,857) 2022-04-28</p>

**Canadian Applications Open to Public Inspection**  
**October 22, 2023 to October 28, 2023**

<p>[21] <b>3,197,652</b> [13] A1</p> <p>[51] Int.Cl. H01M 4/96 (2006.01) H01M 4/88 (2006.01) H01M 4/90 (2006.01) H01M 8/10 (2016.01)</p> <p>[25] EN</p> <p>[54] CARBON SUPPORT, CATALYST FOR FUEL CELLS, CATALYST LAYER FOR FUEL CELLS, AND METHOD FOR PRODUCING THE CARBON SUPPORT</p> <p>[54] SUPPORT DE CARBONE, CATALYSEUR POUR PILES A COMBUSTIBLE, COUCHE DE CATALYSEUR POUR PILES A COMBUSTIBLE ET METHODE DE FABRICATION DU SUPPORT DE CARBONE</p> <p>[72] WANG, YUNAN, JP</p> <p>[72] IMOTO, RUI, JP</p> <p>[72] NOMURA, KUMIKO, JP</p> <p>[72] HASEGAWA, NAOKI, JP</p> <p>[72] TAKESHITA, TOMOHIRO, JP</p> <p>[72] YANO, KAZUHISA, JP</p> <p>[72] NANBU, HIRONOBU, JP</p> <p>[72] KASAMA, YUUJI, JP</p> <p>[72] ASAKURA, KEISUKE, JP</p> <p>[72] KUROKI, TAKANOBU, JP</p> <p>[72] SATO, HITOHIKO, JP</p> <p>[72] YONEUCHI, TSUBASA, JP</p> <p>[72] HORI, AKIHIRO, JP</p> <p>[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP</p> <p>[71] CATALER CORPORATION, JP</p> <p>[71] KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO, JP</p> <p>[71] TAIYO KAGAKU CO., LTD., JP</p> <p>[22] 2023-04-21</p> <p>[41] 2023-10-25</p> <p>[30] JP (2022-071227) 2022-04-25</p>	<p>[21] <b>3,197,661</b> [13] A1</p> <p>[51] Int.Cl. H01R 13/11 (2006.01) H01R 24/20 (2011.01) H01M 50/296 (2021.01) H01M 50/552 (2021.01) H01R 13/115 (2006.01)</p> <p>[25] EN</p> <p>[54] FEMAL TERMINAL, SOCKET, BATTERY PACK, POWER TOOL AND POWER TOOL SYSTEM</p> <p>[54] TERMINAL FEMELLE, DOUILLE, BLOC-BATTERIE, OUTIL ELECTRIQUE ET SYSTEME D'OUTIL ELECTRIQUE</p> <p>[72] WANG, HAIBIN, CN</p> <p>[71] GREEENWORKS (JIANGSU) CO., LTD., CN</p> <p>[22] 2023-04-21</p> <p>[41] 2023-10-25</p> <p>[30] CN (202210442978.8) 2022-04-25</p>	<p>[21] <b>3,197,729</b> [13] A1</p> <p>[51] Int.Cl. F01D 17/00 (2006.01) F01D 17/16 (2006.01)</p> <p>[25] EN</p> <p>[54] VARIABLE GUIDE VANE CONTROL SYSTEM</p> <p>[54] SYSTEME DE COMMANDE POUR AUBE DIRECTRICE VARIABLE</p> <p>[72] MENHEERE, DAVID, CA</p> <p>[71] PRATT &amp; WHITNEY CANADA CORP., CA</p> <p>[22] 2023-04-21</p> <p>[41] 2023-10-28</p> <p>[30] US (17/661,148) 2022-04-28</p>
<p>[21] <b>3,197,715</b> [13] A1</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR CRITERION-BASED LOCALIZATION OF MOBILE DEVICES</p> <p>[54] METHODE ET SYSTEME DE LOCALISATION D'APPAREILS MOBILES FONDEE SUR UN CRITERE</p> <p>[72] HUBERMAN, SEAN, CA</p> <p>[72] MAHMOOD, AHMED, CA</p> <p>[72] GULO, EROS, CA</p> <p>[72] HAN, XUYANG, CA</p> <p>[71] MAPSTED CORP., CA</p> <p>[22] 2023-04-21</p> <p>[41] 2023-10-22</p> <p>[30] US (17727027) 2022-04-22</p>	<p>[21] <b>3,197,715</b> [13] A1</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR CRITERION-BASED LOCALIZATION OF MOBILE DEVICES</p> <p>[54] METHODE ET SYSTEME DE LOCALISATION D'APPAREILS MOBILES FONDEE SUR UN CRITERE</p> <p>[72] HUBERMAN, SEAN, CA</p> <p>[72] MAHMOOD, AHMED, CA</p> <p>[72] GULO, EROS, CA</p> <p>[72] HAN, XUYANG, CA</p> <p>[71] MAPSTED CORP., CA</p> <p>[22] 2023-04-21</p> <p>[41] 2023-10-22</p> <p>[30] US (17727027) 2022-04-22</p>	<p>[21] <b>3,197,731</b> [13] A1</p> <p>[51] Int.Cl. B64D 31/00 (2006.01) B64F 5/60 (2017.01) B64D 45/00 (2006.01)</p> <p>[25] EN</p> <p>[54] OPERATING AIRCRAFT PROPULSION SYSTEM DURING ENGINE-INOPERATIVE EVENT</p> <p>[54] EXPLOITATION D'UN SYSTEME DE PROPULSION D'AERONEF PENDANT UN EVENEMENT DE MOTEUR NON FONCTIONNEL</p> <p>[72] GATES, PATRICK, CA</p> <p>[72] PAPILLON, MELANIE, CA</p> <p>[71] PRATT &amp; WHITNEY CANADA CORP., CA</p> <p>[22] 2023-04-21</p> <p>[41] 2023-10-22</p> <p>[30] US (17/727,050) 2022-04-22</p>
<p>[21] <b>3,197,722</b> [13] A1</p> <p>[51] Int.Cl. B32B 7/12 (2006.01) B32B 21/04 (2006.01) B32B 37/12 (2006.01) C09J 201/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SOY-SUBSTITUTED COLD-SET RESINS</p> <p>[54] RESINES DURCIES A FROID A SUBSTITUTION AU SOYA</p> <p>[72] VIA, BRIAN, US</p> <p>[72] BANERJEE, SUJIT, US</p> <p>[72] ASAFAU-ADJAYE, OSEI A., US</p> <p>[72] ALAWODE, ABIODUN O., US</p> <p>[71] AUBURN UNIVERSITY, US</p> <p>[22] 2023-04-21</p> <p>[41] 2023-10-22</p> <p>[30] US (63/333,727) 2022-04-22</p>	<p>[21] <b>3,197,722</b> [13] A1</p> <p>[51] Int.Cl. B32B 7/12 (2006.01) B32B 21/04 (2006.01) B32B 37/12 (2006.01) C09J 201/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SOY-SUBSTITUTED COLD-SET RESINS</p> <p>[54] RESINES DURCIES A FROID A SUBSTITUTION AU SOYA</p> <p>[72] VIA, BRIAN, US</p> <p>[72] BANERJEE, SUJIT, US</p> <p>[72] ASAFAU-ADJAYE, OSEI A., US</p> <p>[72] ALAWODE, ABIODUN O., US</p> <p>[71] AUBURN UNIVERSITY, US</p> <p>[22] 2023-04-21</p> <p>[41] 2023-10-22</p> <p>[30] US (63/333,727) 2022-04-22</p>	<p>[21] <b>3,197,736</b> [13] A1</p> <p>[51] Int.Cl. H04L 45/745 (2022.01) H04L 41/06 (2022.01)</p> <p>[25] EN</p> <p>[54] DATA NETWORK FOR SAFETY-CRITICAL APPLICATIONS</p> <p>[54] RESEAU DE DONNEES POUR LES APPLICATIONS A SECURITE CRITIQUE</p> <p>[72] YANAY, ALON, CH</p> <p>[72] RUPPERT, CHRISTIAN, CH</p> <p>[72] PICHLER, MICHAEL, CH</p> <p>[72] RICCO, PHILIPPE, FR</p> <p>[72] BAUMGARTNER, SVEN, CH</p> <p>[71] MERCURY MISSION SYSTEMS INTERNATIONAL S.A., CH</p> <p>[22] 2023-04-21</p> <p>[41] 2023-10-22</p> <p>[30] CH (CH20220000469) 2022-04-22</p>

**Demandes canadiennes mises à la disponibilité du public**  
**22 octobre 2023 au 28 octobre 2023**

<p style="text-align: right;">[21] <b>3,197,800</b>  [13] A1</p> <p>[51] Int.Cl. H01R 11/18 (2006.01) B32B 7/025 (2019.01) A61N 1/04 (2006.01) B32B 5/02 (2006.01) H01R 13/02 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS AND METHOD OF MANUFACTURING OF CONDUCTIVE THERMOPLASTIC ELASTOMER ELECTRODES</p> <p>[54] APPAREIL ET METHODE DE FABRICATION D'ELECTRODES ELASTOMERES THERMOPLASTIQUES CONDUCTRICES</p> <p>[72] ALIZADEH-MEGHRAZI, MILAD, CA  [72] ESKANDARIAN, LADAN, CA  [72] MAHNAM, AMIN, CA  [72] MOINEAU, BASTIEN, CA  [72] GOLMHAMMADI ROSTAMI, SAHAR, CA  [72] LEIPHART, CHRISTOPHER ROBIN, CA  [72] FERRONE, ANDREA, CA  [72] NIAKAN, SHAYAN, CA  [71] MYANT INC., CA  [22] 2023-04-24  [41] 2023-10-22  [30] US (63/333,651) 2022-04-22</p>	<p style="text-align: right;">[21] <b>3,197,839</b>  [13] A1</p> <p>[51] Int.Cl. F16M 11/20 (2006.01) F21L 4/00 (2006.01) F21L 4/04 (2006.01) F21V 21/06 (2006.01)</p> <p>[25] EN</p> <p>[54] TRIPOD LIGHT</p> <p>[54] LUMIERE SUR TREPIED</p> <p>[72] KWONG, YU SIU, CN  [72] WING, LAU HEE, CN  [72] PUN, HUI KING, CN  [72] EUNSUK, KIM, CN  [72] THACKERY, CLINTON C., US  [72] WILSON, GRAHAM, US  [71] TECHTRONIC CORDLESS GP, US  [22] 2023-04-24  [41] 2023-10-28  [30] US (63/335987) 2022-04-28</p>	<p style="text-align: right;">[21] <b>3,197,843</b>  [13] A1</p> <p>[51] Int.Cl. H01H 3/46 (2006.01) H01H 33/666 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTRIC POWER INTERRUPTER AND METHOD THEREOF</p> <p>[54] INTERRUPEUR DE PUISSANCE ELECTRIQUE ET METHODE CONNEXE</p> <p>[72] GRENIER-POULIN, RENAUD, CA  [72] MCCORD, NEIL, CA  [72] RIOUX, JULIEN, CA  [72] GAUVREAU, LOUIS-PHILIPPE, CA  [72] YALPANIAN, ALI, CA  [72] OUELLET, JOCELYN, CA  [72] LALONGE, PATRICK, CA  [72] CORRIVEAU, PHILIPPE, CA  [71] TECHNOLOGIES MINDCORE INC., CA  [22] 2023-04-24  [41] 2023-10-22  [30] US (63/363,477) 2022-04-22</p>
<p style="text-align: right;">[21] <b>3,197,805</b>  [13] A1</p> <p>[51] Int.Cl. G06V 10/764 (2022.01) G16H 30/40 (2018.01) G06V 10/82 (2022.01) G06N 3/08 (2023.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR CLASSIFYING IMAGES USING CONTRAPOSITIVE MACHINE LEARNING</p> <p>[54] SYSTEME ET METHODE POUR CLASSE DES IMAGES AU MOYEN DE L'APPRENTISSAGE AUTOMATIQUE CONTRAPOSE</p> <p>[72] CHAMPAGNE, TREVOR, CA  [71] 2692873 ONTARIO INC., CA  [22] 2023-04-24  [41] 2023-10-25  [30] US (63/334,248) 2022-04-25</p>	<p style="text-align: right;">[21] <b>3,197,840</b>  [13] A1</p> <p>[51] Int.Cl. H02J 13/00 (2006.01) G05B 13/04 (2006.01)</p> <p>[25] EN</p> <p>[54] ADAPTIVE PERSISTENCE FORECASTING FOR CONTROL OF DISTRIBUTED ENERGY RESOURCES</p> <p>[54] PREVISION DE LA PERSISTANCE ADAPTATIVE POUR LE CONTROLE DES RESSOURCES D'ENERGIE DISTRIBUEES</p> <p>[72] GHASSEMPOUR AGHAMOLKI, HOSSEIN, IE  [72] NAIR, ARUN SUKUMARAN, IE  [72] TRIPATH, ABHINANDAN, IE  [72] GANGER, DAVID WU, IE  [71] EATON INTELLIGENT POWER LIMITED, IE  [22] 2023-04-24  [41] 2023-10-25  [30] US (17/728177) 2022-04-25</p>	<p style="text-align: right;">[21] <b>3,197,860</b>  [13] A1</p> <p>[51] Int.Cl. H02B 1/56 (2006.01) H02B 1/04 (2006.01) H02M 1/00 (2007.10)</p> <p>[25] EN</p> <p>[54] COOLED MODULAR POWER- CONVERTING ELECTRICAL PANEL</p> <p>[54] PANNEAU ELECTRIQUE MODULAIRE AVEC SYSTEME DE REFROIDISSEMENT POUR LA CONVERSION DE PUISSANCE</p> <p>[72] SINOPOLI, LUCAS PABLO, CA  [72] PAREDES, CARLOS JAVIER, AR  [72] ZAKERSHOBEIRI, MOHAMMAD AMIN, CA  [72] HSU, JHIH-DA, CA  [72] SYSKAKIS, TOMAS, CA  [71] HEXAGON POWER TECHNOLOGIES INC., CA  [22] 2023-04-25  [41] 2023-10-25  [30] US (63/334,408) 2022-04-25  [30] US (63/334,418) 2022-04-25</p>

**Canadian Applications Open to Public Inspection**  
**October 22, 2023 to October 28, 2023**

<p style="text-align: right;"><b>[21] 3,197,890</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B01D 53/52 (2006.01) B01D 53/14 (2006.01) C09K 15/18 (2006.01) C09K 15/20 (2006.01) C10G 29/20 (2006.01) C10G 75/02 (2006.01)</p> <p>[25] EN</p> <p>[54] AMELIORATION OF SOLIDS FORMATION IN SPENT HYDROGEN SULFIDE SCAVENGERS</p> <p>[54] AMELIORATION DE LA FORMATION DE SOLIDES DANS LES ENTRAINEURS DE SULFURE D'HYDROGENE EPUISES</p> <p>[72] SODERBERG, JEFFREY, CA</p> <p>[72] HORTON, DAVID, CA</p> <p>[72] JOZANI, HOSSEIN, CA</p> <p>[71] CANADIAN ENERGY SERVICES L.P., CA</p> <p>[22] 2023-04-25</p> <p>[41] 2023-10-25</p> <p>[30] US (63/334,536) 2022-04-25</p> <p>[30] US (63/353,157) 2022-06-17</p> <hr/> <p style="text-align: right;"><b>[21] 3,197,913</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61G 12/00 (2006.01) A61B 34/20 (2016.01) A61B 90/14 (2016.01) A61G 13/12 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICE FOR POSITIONING A PERSON'S HEAD IN PREPARATION FOR A TREATMENT AND METHOD OF USE THEREOF</p> <p>[54] DISPOSITIF POUR POSITIONNER LA TETE D'UNE PERSONNE EN PREPARATION D'UN TRAITEMENT ET METHODE D'UTILISATION CONNEXE</p> <p>[72] KHAN, ASLAM, CA</p> <p>[71] NEURO SPINAL INNOVATION INC., CA</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-27</p> <p>[30] US (63/335,551) 2022-04-27</p>	<p style="text-align: right;"><b>[21] 3,197,922</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G07F 19/00 (2006.01) G06N 20/00 (2019.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR MANAGEMENT OF AUTOMATIC TELLER MACHINES</p> <p>[54] SYSTEMES ET METHODES DE GESTION DE GUICHETS AUTOMATIQUES</p> <p>[72] SCHOTT, CHRISTOPHER, US</p> <p>[72] APPLEBY, MATTHEW, US</p> <p>[72] COHEN, SHAY, US</p> <p>[72] HWANG, EUIHYUN, US</p> <p>[72] PILATO, TYLER, US</p> <p>[72] SEAWELL, TABATHA, US</p> <p>[72] URQUIZA, ARTURO, US</p> <p>[71] CAPITAL ONE SERVICES, LLC, US</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-27</p> <p>[30] US (17/731,221) 2022-04-27</p> <hr/> <p style="text-align: right;"><b>[21] 3,197,950</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E04C 2/32 (2006.01) E04B 5/17 (2006.01) E04C 2/08 (2006.01) E04F 15/02 (2006.01) E04F 15/06 (2006.01)</p> <p>[25] EN</p> <p>[54] DOVETAIL DECKING SYSTEM WITH A FULL TOP FLANGE SIDELAP AND METHOD OF SECURING</p> <p>[54] SYSTEME DE PLANCHER EN QUEUE D'ARONDE COMPRENANT UN RECOUVREMENT LATERAL A SEMELLE SUPERIEURE COMPLETE ET METHODE DE FIXATION</p> <p>[72] BOGH, BRIAN HANSEN, US</p> <p>[71] VERCÖ DECKING, INC., US</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-28</p> <p>[30] US (18/138,782) 2023-04-25</p> <p>[30] US (63/336,096) 2022-04-28</p>	<p style="text-align: right;"><b>[21] 3,197,954</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 31/05 (2006.01) A61K 33/10 (2006.01) A61K 33/14 (2006.01)</p> <p>[25] EN</p> <p>[54] NASAL RINSE COMPOSITIONS AND METHODS</p> <p>[54] COMPOSITIONS ET METHODES DE RINCAGE NASAL</p> <p>[72] CAMPBELL, ADAM, US</p> <p>[71] CAMPBELL, ADAM, US</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-26</p> <p>[30] US (63/334,918) 2022-04-26</p> <hr/> <p style="text-align: right;"><b>[21] 3,197,956</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F04B 49/20 (2006.01) E21B 41/00 (2006.01) E21B 43/26 (2006.01) F04B 17/05 (2006.01) F04B 19/22 (2006.01) F04B 23/00 (2006.01) E21B 43/34 (2006.01)</p> <p>[25] EN</p> <p>[54] HYBRID OILFIELD PUMPING SYSTEM</p> <p>[54] SYSTEME DE POMPAGE HYBRIDE POUR CHAMP PETROLIFERE</p> <p>[72] AUNE, ROY, US</p> <p>[72] THORNTON, ZACK, US</p> <p>[72] FISCUS, KIRK, US</p> <p>[71] LIBERTY OILFIELD SERVICES LLC, US</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-26</p> <p>[30] US (63/363,622) 2022-04-26</p>
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**Demandes canadiennes mises à la disponibilité du public**  
**22 octobre 2023 au 28 octobre 2023**

[21] 3,197,982 [13] A1	[21] 3,198,016 [13] A1	[21] 3,198,032 [13] A1
<p>[51] <b>Int.Cl. H10N 60/01 (2023.01) B32B 7/025 (2019.01) H10N 60/80 (2023.01) B32B 3/02 (2006.01) H01L 23/28 (2006.01) H01L 23/485 (2006.01) H01L 29/04 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>CONTACT LAYER FOR LAYERED MATERIALS</b></p> <p>[54] <b>COUCHE DE CONTACT POUR MATERIAUX EN COUCHES</b></p> <p>[72] SAGGAU, CHRISTIAN, CH</p> <p>[72] SHOKRI, SANAZ, CH</p> <p>[72] MARTINI, MICKEY, CH</p> <p>[72] LEE, YEJIN, CH</p> <p>[72] NIELSCH, KORNELIUS, CH</p> <p>[72] VINOKOUR, VALERII, CH</p> <p>[72] POCCIA, NICOLA, CH</p> <p>[71] TERRA QUANTUM AG, CH</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-26</p> <p>[30] EP (22170076.8) 2022-04-26</p>	<p>[51] <b>Int.Cl. G06N 3/092 (2023.01) G06N 3/04 (2023.01)</b></p> <p>[25] EN</p> <p>[54] <b>SYSTEM AND METHOD FOR MULTI-OBJECTIVE REINFORCEMENT LEARNING WITH GRADIENT MODULATION</b></p> <p>[54] <b>SYSTÈME ET MÉTHODE POUR L'APPRENTISSAGE PAR RENFORCEMENT MULTI-OBJECTIF COMPRENANT UNE MODULATION DE GRADIENT</b></p> <p>[72] HUANG, HONGFENG, CA</p> <p>[72] YU, ZHUO, CA</p> <p>[72] AZAM, MUHAMMAD MUSTAJAB, CA</p> <p>[72] CHMURA, JACOB, CA</p> <p>[71] ROYAL BANK OF CANADA, CA</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-27</p> <p>[30] US (63/335,401) 2022-04-27</p>	<p>[51] <b>Int.Cl. E04H 1/12 (2006.01) A62C 2/06 (2006.01) A62D 1/00 (2006.01) A62D 3/00 (2007.01) E04B 1/94 (2006.01) E04D 13/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>GAS STATION CANOPY</b></p> <p>[54] <b>AUVENT DE STATION-SERVICE</b></p> <p>[72] CAVITTE, YOANN, CA</p> <p>[71] CAVITTE, YOANN, CA</p> <p>[22] 2023-04-27</p> <p>[41] 2023-10-27</p> <p>[30] US (63/363,663) 2022-04-27</p>
[21] 3,197,989 [13] A1	[21] 3,198,020 [13] A1	[21] 3,198,039 [13] A1
<p>[51] <b>Int.Cl. H05B 3/56 (2006.01) H02G 3/04 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>IMPROVED FREEZE PROTECTION THROUGH VOLUME DONATION</b></p> <p>[54] <b>PROTECTION AMELIORÉE CONTRE LE GEL PAR MODIFICATION DE VOLUME</b></p> <p>[72] HAAGENSON, STEVEN, US</p> <p>[72] HUBER, JOHN, JR., US</p> <p>[71] HAAGENSON, STEVEN, US</p> <p>[71] HUBER, JOHN, JR., US</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-28</p> <p>[30] US (17/731,660) 2022-04-28</p>	<p>[54] <b>PERIODIC REFERENCE SIGNAL TRANSMISSIONS FOR ENERGY SAVING</b></p> <p>[54] <b>TRANSMISSIONS DE SIGNAUX DE REFERENCE PERIODIQUES POUR L'ECONOMIE D'ENERGIE</b></p> <p>[72] ZHOU, HUA, US</p> <p>[72] CIRIK, ALI CAGATAY, US</p> <p>[72] DINAN, ESMAEL HEJAZI, US</p> <p>[72] JEON, HYOUNGSUK, US</p> <p>[72] XU, KAI, US</p> <p>[72] DASHTAKI, MOHAMMAD GHADIR KHOSHKOLGH, US</p> <p>[71] COMCAST CABLE COMMUNICATIONS, LLC, US</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-26</p> <p>[30] US (63/334,926) 2022-04-26</p>	<p>[51] <b>Int.Cl. E21B 19/06 (2006.01) E21B 3/02 (2006.01) E21B 7/20 (2006.01) E21B 19/087 (2006.01) E21B 19/16 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>ROTARY CASING DRILL</b></p> <p>[54] <b>APPAREIL DE FORAGE TUBANT ROTATIF</b></p> <p>[72] FIANDER, DAVID, CA</p> <p>[72] GLOVER, PATRICK, CA</p> <p>[72] ANDERSON, KENNETH, CA</p> <p>[71] ATLAS MANUFACTURING LTD., CA</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-26</p> <p>[30] US (63/335,017) 2022-04-26</p>
[21] 3,198,001 [13] A1		[21] 3,198,084 [13] A1
<p>[25] EN</p> <p>[54] <b>PROTECTIVE DEVICE FOR ONE HAND</b></p> <p>[54] <b>DISPOSITIF DE PROTECTION POUR UNE MAIN</b></p> <p>[72] ROGALSKI, JAKOB, DE</p> <p>[71] ROGALSKI, JAKOB, DE</p> <p>[22] 2023-04-26</p> <p>[41] 2023-10-26</p> <p>[30] EP (22170087.5) 2022-04-26</p>		<p>[51] <b>Int.Cl. B31F 1/07 (2006.01) D21H 27/02 (2006.01) D21H 27/30 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>EMBOSSING-LAMINATING DEVICE WITH DOUBLE HEIGHT ENGRAVED ROLLERS</b></p> <p>[54] <b>DISPOSITIF DE BOSSELAGE ET DE CONTRE-COLLAGE A DEUX ROULEAUX GRAVES EN HAUTEUR</b></p> <p>[72] IRITI, MARCO, IT</p> <p>[71] SOFIDEL S.P.A., IT</p> <p>[22] 2023-04-27</p> <p>[41] 2023-10-27</p> <p>[30] IT (102022000008231) 2022-04-27</p>

**Canadian Applications Open to Public Inspection**  
**October 22, 2023 to October 28, 2023**

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<p>[21] <b>3,198,122</b>  [13] A1</p> <p>[51] Int.Cl. B25G 1/10 (2006.01) A47L 13/42 (2006.01) B25G 1/00 (2006.01) F16B 7/04 (2006.01)</p> <p>[25] EN</p> <p>[54] ROTATING TOP GRIP</p> <p>[54] PRISE SUPERIEURE ROTATIVE</p> <p>[72] JURGENS, RALF, DE</p> <p>[72] FALLENSTEIN, FELIX, DE</p> <p>[72] SAND, NIKOLAI, DE</p> <p>[72] BIEGANSKI, MAIK, DE</p> <p>[71] CARL FREUDENBERG KG, DE</p> <p>[22] 2023-04-27</p> <p>[41] 2023-10-28</p> <p>[30] DE (10 2022 110 399.4) 2022-04-28</p>
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<p>[21] <b>3,198,132</b>  [13] A1</p> <p>[25] EN</p> <p>[54] MAGNET WIRE WITH FLEXIBLE CORONA RESISTANT INSULATION</p> <p>[54] FIL DE BOBINAGE COMPRENANT UNE ISOLATION SOUPLE RESISTANTE A L'EFFET DE COURONNE</p> <p>[72] MCFARLAND, TAMANNA FERDOUS, US</p> <p>[72] CONNELL, JAMES J., US</p> <p>[72] GUIINGER, ALLEN ROE, US</p> <p>[72] KNERR, ALLAN R., US</p> <p>[72] LEACH, MATTHEW, US</p> <p>[72] MCFARLAND, FREDERICK MARSHALL, US</p> <p>[72] SAID, MOHAMMAD MAZHAR, US</p> <p>[71] ESSEX FURUKAWA MAGNET WIRE USA LLC, US</p> <p>[22] 2023-04-28</p> <p>[41] 2023-10-28</p> <p>[30] US (17/731.357) 2022-04-28</p>
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<p>[21] <b>3,198,170</b>  [13] A1</p> <p>[25] EN</p> <p>[54] SIDELINK CONTROL INFORMATION COMMUNICATION</p> <p>[54] COMMUNICATION DES PARAMETRES DE LIAISON LATERALE</p> <p>[72] RASTEGARDOOST, NAZANIN, US</p> <p>[72] CHAE, HYUKJIN, US</p> <p>[72] DINAN, ESMAEL HEJAZI, US</p> <p>[72] JEON, HYOUNGSUK, US</p> <p>[72] HUI, BING, US</p> <p>[72] ZHOU, HUA, US</p> <p>[72] KIM, TAEHUN, US</p> <p>[72] HONG, JONGWOO, US</p> <p>[71] COMCAST CABLE COMMUNICATIONS, LLC, US</p> <p>[22] 2023-04-28</p> <p>[41] 2023-10-28</p> <p>[30] US (63/336,270) 2022-04-28</p>
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<p>[21] <b>3,198,172</b>  [13] A1</p> <p>[25] EN</p> <p>[54] TRANSMISSION CONFIGURATION INDICATOR STATE MANAGEMENT</p> <p>[54] GESTION DE L'ETAT D'UN INDICATEUR DE CONFIGURATION DE TRANSMISSION</p> <p>[72] CIRIK, ALI CAGATAY, US</p> <p>[72] ZHOU, HUA, US</p> <p>[72] DINAN, ESMAEL HEJAZI, US</p> <p>[72] XU, KAI, US</p> <p>[71] COMCAST CABLE COMMUNICATIONS, LLC, US</p> <p>[22] 2023-04-28</p> <p>[41] 2023-10-28</p> <p>[30] US (63/336,097) 2022-04-28</p>
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<p>[21] <b>3,198,177</b>  [13] A1</p> <p>[25] EN</p> <p>[54] AUTOMATIC GAIN CONTROL FOR SIDELINK COMMUNICATIONS</p> <p>[54] COMMANDE AUTOMATIQUE DE GAIN POUR LES COMMUNICATIONS EN LIAISON LATERALE</p> <p>[72] RASTEGARDOOST, NAZANIN, US</p> <p>[72] CHAE, HYUKJIN, US</p> <p>[72] DINAN, ESMAEL HEJAZI, US</p> <p>[72] JEON, HYOUNGSUK, US</p> <p>[72] HUI, BING, US</p> <p>[72] KIM, TAEHUN, US</p> <p>[72] HONG, JONGWOO, US</p> <p>[72] ZHOU, HUA, US</p> <p>[71] COMCAST CABLE COMMUNICATIONS, LLC, US</p> <p>[22] 2023-04-28</p> <p>[41] 2023-10-28</p> <p>[30] US (63/336,047) 2022-04-28</p>
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**Demandes canadiennes mises à la disponibilité du public**  
**22 octobre 2023 au 28 octobre 2023**

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[13] A1

- [25] EN  
[54] BEAM MANAGEMENT FOR TRANSMISSION REPETITION  
[54] GESTION DE FAISCEAU POUR LA REPETITION DE TRANSMISSION  
[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] 2023-04-28  
[41] 2023-10-28  
[30] US (63/336,225) 2022-04-28
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[21] **3,198,221**  
[13] A1

- [51] Int.Cl. A61G 7/05 (2006.01) A61G 7/00 (2006.01) A61G 7/002 (2006.01) A61G 7/012 (2006.01) A61G 7/015 (2006.01) A61G 7/018 (2006.01)  
[25] EN  
[54] PATIENT SUPPORT APPARATUS FOR TREATING PATIENTS PRESENTING BEHAVIORAL HEALTH INDICIA  
[54] APPAREIL DE SUPPORT DE PATIENT POUR TRAITER LES PATIENTS PRÉSENTANT DES INDICES DE TROUBLES COMPORTEMENTAUX  
[72] VYTLA, LAVANYA, US  
[72] CUTLER, MATTHEW A., US  
[72] GRAVES, MICHAEL WILLIAM, US  
[72] RADGENS, PAUL MANDRUCH, US  
[72] SWEENEY, CHRISTOPHER RYAN, US  
[72] THOTA, MADHU SANDEEP, US  
[71] STRYKER CORPORATION, US  
[22] 2023-04-28  
[41] 2023-10-28  
[30] US (63/335,863) 2022-04-28
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[13] A1

- [51] Int.Cl. G01N 33/48 (2006.01) G01N 30/72 (2006.01) G01N 33/483 (2006.01)  
[25] EN  
[54] METABOLIC BIOMARKERS OF INFLAMMATORY BOWEL DISEASE  
[54] BIOMARQUEURS METABOLIQUES DE LA MALADIE INFLAMMATOIRE CHRONIQUE DE L'INTESTIN  
[72] RIOUX, JOHN D., CA  
[72] DES ROSIERS, CHRISTINE, CA  
[72] FOREST, ANIK, CA  
[72] BOUCHER, GABRIELLE, CA  
[72] FERRU-CLEMENT, ROMAIN, FR  
[71] INSTITUT DE CARDIOLOGIE DE MONTREAL, CA  
[22] 2023-04-25  
[41] 2023-10-28  
[30] US (63/335,844) 2022-04-28
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[21] **3,207,903**  
[13] A1

- [51] Int.Cl. C05F 17/20 (2020.01) C05F 3/00 (2006.01) C05F 17/00 (2020.01) C12P 5/02 (2006.01)  
[25] EN  
[54] METHODS OF PRODUCING FERTILIZER COMPOSITIONS AND BIOGAS  
[54] METHODES DE PRODUCTION DE COMPOSITIONS D'ENGRAIS ET DE BIOGAZ  
[72] LETT, RALPH JEFFERY, CA  
[72] CASAS, JORGE IGNACIO MARTINEZ, CA  
[72] RAPELA, FACUNDO MARTIN, CA  
[71] FARMENT BIO SOLUTIONS LTD., CA  
[22] 2023-07-28  
[41] 2023-10-27  
[30] US (18/087,183) 2022-12-22
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[21] **3,209,493**  
[13] A1

- [51] Int.Cl. B05C 21/00 (2006.01) B05C 17/01 (2006.01)  
[25] EN  
[54] APPLICATORS AND ACCESSORIES FOR DISPENSING GLUE AND OTHER MATERIALS  
[54] APPLICATEURS ET ACCESSOIRES POUR DISTRIBUER DE LA COLLE ET D'AUTRES MATERIAUX  
[72] GARZA, ILLIANA, US  
[72] JONES, RICHARD, US  
[71] MY SWEET PETUNIA, INC., US  
[22] 2023-08-16  
[41] 2023-10-26  
[30] US (63/448,071) 2023-02-24  
[30] US (18/195,400) 2023-05-10
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[21] **3,209,508**  
[13] A1

- [51] Int.Cl. B05D 1/26 (2006.01) B05C 17/005 (2006.01)  
[25] EN  
[54] APPLICATORS AND ACCESSORIES FOR DISPENSING GLUE AND OTHER MATERIALS  
[54] APPLICATEURS ET ACCESSOIRES POUR DISTRIBUER DE LA COLLE ET D'AUTRES MATERIAUX  
[72] GARZA, ILLIANA, US  
[72] JONES, RICHARD, GB  
[71] MY SWEET PETUNIA, INC., US  
[22] 2023-08-16  
[41] 2023-10-26  
[30] US (63/448,071) 2023-02-24  
[30] US (18/195,402) 2023-05-10

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[25] EN  
[54] COMBINATION TREATMENT OF SMALL-CELL LUNG CANCER  
[54]  
[72] KOSSATZ, SUSANNE, DE  
[72] WEBER, WOLFGANG, DE  
[72] RAUCH, HARTMUT, DE  
[72] MECKEL, MARIAN, DE  
[72] ZHERNOSEKOV, KONSTANTIN, DE  
[71] ITM ISOTOPE TECHNOLOGIES MUNICH SE, DE  
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE  
[85] 2022-09-20  
[86] 2022-04-27 (PCT/EP2022/061254)  
[87] (3172480)
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[21] 3,173,149  
[13] A1

- [51] Int.Cl. A61L 2/28 (2006.01) A61L 2/16 (2006.01)  
[25] EN  
[54] REVERSIBLY PROTECTED COLORANTS AND METHODS OF USE  
[54] COLORANTS A PROTECTION REVERSIBLE ET METHODES D'UTILISATION  
[72] NG, KARA, US  
[72] JUROW, MATTHEW, US  
[72] OLIVERES, PAU, US  
[72] JONES, DOROTHY, US  
[71] KINNOS INC., US  
[85] 2022-09-23  
[86] 2022-04-26 (PCT/US2022/026302)  
[87] (3173149)  
[30] US (63/180,262) 2021-04-27

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[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 16/00 (2006.01) C07K 16/30 (2006.01) A61K 31/4745 (2006.01)  
[25] EN  
[54] PREPARATION METHOD AND APPLICATION OF ANTIBODY DRUG CONJUGATE  
[54]  
[72] ZHANG, HUI, CN  
[72] MENG, XUN, CN  
[71] SHANGHAI HUILIAN BIO-PHARM CO., LTD, CN  
[85] 2022-09-26  
[86] 2022-04-28 (PCT/CN2022/089725)  
[87] (3173511)  
[30] CN (202110475315.1) 2021-04-29
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[21] 3,176,985  
[13] A1

- [51] Int.Cl. F24T 10/40 (2018.01)  
[25] EN  
[54] THERMOSIPHON GEOTHERMAL ENERGY RECOVERY SYSTEMS AND METHODS  
[54] SYSTEMES DE RECUPERATION D'ENERGIE GEOTHERMIQUE A THERMOSIPHON ET METHODES  
[72] DAPROCIDA, DOMENICO, CA  
[71] DAPROCIDA, DOMENICO, CA  
[85] 2022-10-26  
[86] 2022-04-26 (PCT/IB2022/053854)  
[87] (3176985)

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[21] 3,200,574  
[13] A1

- [51] Int.Cl. H03K 3/037 (2006.01) H03K 3/356 (2006.01) H03K 19/20 (2006.01)  
[25] EN  
[54] LATCH, PROCESSOR INCLUDING LATCH, AND COMPUTING APPARATUS  
[54] VERROU, PROCESSEUR COMPRENANT LE VERROU ET APPAREIL DE CALCUL  
[72] GONG, CHUAN, CN  
[72] TIAN, WENBO, CN  
[72] FAN, ZHIJUN, CN  
[72] YANG, ZUOXING, CN  
[72] GUO, HAIFENG, CN  
[71] SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD., CN  
[85] 2023-05-30  
[86] 2023-03-09 (PCT/CN2023/080425)  
[87] (3200574)  
[30] CN (202210455757.4) 2022-04-28
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[21] 3,207,325  
[13] A1

- [51] Int.Cl. A61F 5/448 (2006.01) A61F 5/445 (2006.01)  
[25] EN  
[54] OSTOMY APPLIANCE FOR PROVIDING CUSTOMIZED AND LOCALIZED CONVEX SUPPORT  
[54] APPAREIL DE STOMIE POUR OFFRIR UN SUPPORT CONVEXE PERSONNALISE ET LOCALISE  
[72] WINES, JAMES P., US  
[71] HOLLISTER INCORPORATED, US  
[85] 2023-08-02  
[86] 2023-04-25 (PCT/US2023/066160)  
[87] (3207325)  
[30] US (63/403,098) 2022-09-01

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[13] A1

[51] Int.Cl. E21D 23/16 (2006.01) B66F 3/46 (2006.01) E21D 15/44 (2006.01) E21D 15/50 (2006.01) F15B 13/02 (2006.01) F16K 17/18 (2006.01) F16K 17/36 (2006.01)  
[25] EN  
[54] DIGITAL SPEED REGULATING VALVE FOR ALIGNING HYDRAULIC SUPPORTS IN FULLY MECHANIZED MINING FACE AND CONTROL METHOD THEREOF  
[54] SOUPAPE REGULATRICE DE VITESSE NUMERIQUE POUR L'ALIGNEMENT DE SUPPORTS HYDRAULIQUES DANS UN FRONT DE TAILLE MINIER PLEINEMENT MECANISE ET METHODE DE COMMANDE CONNEXE  
[72] KOU, ZIMING, CN  
[72] WU, JUAN, CN  
[72] ZHAO, JIYUN, CN  
[72] REN, QICHAO, CN  
[72] JIN, TIANYI, CN  
[72] HOU, TENGYAN, CN  
[72] XU, PENG, CN  
[72] LI, YUCHEN, CN  
[71] TAIYUAN UNIVERSITY OF TECHNOLOGY, CN  
[85] 2023-07-18  
[86] 2022-10-25 (PCT/CN2022/127341)  
[87] (320961)  
[30] CN (202210435122.8) 2022-04-24

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**[21] 3,211,862**  
[13] A1

[51] Int.Cl. A47K 3/062 (2006.01) A01K 13/00 (2006.01) A47G 29/00 (2006.01) F16M 11/20 (2006.01)  
[25] EN  
[54] PET BATH CONTAINER  
[54] CONTENANT DE BAIN A ANIMAL DE COMPAGNIE  
[72] MU, MENGMENG, US  
[71] TAN GROW INC., US  
[85] 2023-09-12  
[86] 2022-04-25 (PCT/CN2022/089046)  
[87] (3211862)

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[13] A1

[51] Int.Cl. B01D 53/14 (2006.01) B01D 53/52 (2006.01) B01D 53/62 (2006.01) B01D 53/96 (2006.01) C07C 215/02 (2006.01) C07D 233/34 (2006.01) C07D 233/36 (2006.01) C07D 241/04 (2006.01) C07D 263/62 (2006.01)  
[25] EN  
[54] COMPOSITE AMINE ABSORBENT, REMOVAL UNIT, AND REMOVAL METHOD  
[54] ABSORBANT A L'AMINE COMPOSITE, UNITE D'ELIMINATION ET METHODE D'ELIMINATION  
[72] TANAKA, HIROSHI, JP  
[72] KAMIJO, TAKASHI, JP  
[72] HIRATA, TAKUYA, JP  
[72] TSUJIUCHI, TATSUYA, JP  
[72] SUGIURA, TAKUYA, JP  
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[71] THE KANSAI ELECTRIC POWER CO., INC., JP  
[85] 2023-09-13  
[86] 2022-04-28 (PCT/JP2022/019243)  
[87] (3212395)

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**[21] 3,212,771**  
[13] A1

[51] Int.Cl. C09K 3/22 (2006.01)  
[25] EN  
[54] DUST INHIBITOR, BINDER, AGGLOMERANT, HUMECTANT, BIODEGRADABLE COMPOSITION THAT LASTS OVER TIME, FOR DECREASING SUSPENDED DUST ON DIRT ROADS; METHOD FOR PREPARING SAID COMPOSITION AND USE THEREOF  
[54] INHIBITEUR DE POUSSIÈRE, LIANT, AGGLOMERANT, HUMIDIFIANT, COMPOSITION BIODEGRADABLE DURABLE DANS LE TEMPS POUR REDUIRE LA POUSSIÈRE SUSPENDUE SUR LES CHEMINS DE TERRE, METHODE DE PRÉPARATION DE LA COMPOSITION ET UTILISATION CONNEXE  
[72] RODRIGUEZ BARAHONA, ELMO ENRIQUE, CL  
[71] SOCIEDAD QUIMICA ECOLOGICA SPA, CL  
[85] 2023-09-14  
[86] 2022-04-28 (PCT/CL2022/050044)  
[87] (3212771)

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[13] A1

[51] Int.Cl. A61B 5/00 (2006.01) A61B 5/0531 (2021.01) A61B 5/0538 (2021.01) A61N 1/05 (2006.01) A61N 1/365 (2006.01)  
[25] EN  
[54] INTRACARDIAC DEVICE AND METHODS OF USE  
[54] DISPOSITIF INTRACARDIAQUE ET PROCEDES D'UTILISATION  
[72] ALMEDHYCHY, ALI HASSAN, US  
[72] CHAKRABARTI, ANJAN K., US  
[71] ABIOMED, INC., US  
[85] 2023-09-28  
[86] 2022-04-13 (PCT/US2022/024592)  
[87] (WO2022/225764)  
[30] US (63/176,676) 2021-04-19

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**[21] 3,215,068**  
[13] A1

[51] Int.Cl. A61N 1/05 (2006.01)  
[25] EN  
[54] APPARATUSES, SYSTEMS, AND METHODS FOR PERCUTANEOUS DELIVERY OF NEUROSTIMULATION ARRAYS  
[54] APPAREILS, SYSTEMES ET PROCEDES POUR LA POSE PERCUTANEE DE RESEAUX DE NEUROSTIMULATION  
[72] BROYLES, STUART E., US  
[72] CULLY, EDWARD H., US  
[72] DUNCAN, JEFFREY B., US  
[72] EDMUNDSON, MARK D., US  
[72] FRIEDMAN, NATHAN L., US  
[72] SHAW, EDWARD E., US  
[72] VECCHIO, CHRISTOPHER J., US  
[71] W.L. GORE & ASSOCIATES, INC., US  
[85] 2023-10-10  
[86] 2022-04-14 (PCT/US2022/024864)  
[87] (WO2022/225789)  
[30] US (63/176,690) 2021-04-19

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[13] A1

- [51] Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6844 (2018.01)
  - [25] EN
  - [54] NANOSCALE REACTION CHAMBERS AND METHODS OF USING THE SAME
  - [54] CHAMBRES DE REACTION A L'ECHELLE NANOMETRIQUE ET LEURS PROCEDES D'UTILISATION
  - [72] DE RUTTE, JOSEPH, US
  - [72] ZHU, SHELDON, US
  - [72] KUO, WEI-YING, US
  - [71] PARTILLION BIOSCIENCE CORPORATION, US
  - [85] 2023-10-10
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  - [87] (WO2022/221391)
  - [30] US (63/174,847) 2021-04-14
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- [51] Int.Cl. D21H 19/34 (2006.01) C08L 1/10 (2006.01) C08L 1/14 (2006.01) C09D 101/10 (2006.01) D21H 21/16 (2006.01)
- [25] EN
- [54] MOISTURE AND OIL BARRIER
- [54] BARRIERE CONTRE L'HUMIDITE ET L'HUILE
- [72] KARISALMI, KAISA, FI
- [71] KEMIRA OYJ, FI
- [85] 2023-10-18
- [86] 2022-05-25 (PCT/EP2022/064314)
- [87] (WO2022/248611)
- [30] GB (2107574.2) 2021-05-27

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- [51] Int.Cl. H01M 10/0525 (2010.01) H01M 10/054 (2010.01) H01M 10/0567 (2010.01) H01M 10/0568 (2010.01) H01G 11/60 (2013.01) H01G 11/62 (2013.01) H01G 11/64 (2013.01) C07C 253/30 (2006.01) C07C 255/16 (2006.01) H01M 4/525 (2010.01) H01M 4/587 (2010.01)
  - [25] EN
  - [54] COMPOSITION
  - [54] COMPOSITION
  - [72] SHARRATT, ANDREW, GB
  - [72] SAXENA, IRA, GB
  - [71] MEXICHEM FLUOR S.A. DE C.V., MX
  - [85] 2023-10-18
  - [86] 2022-04-21 (PCT/EP2022/060526)
  - [87] (WO2022/223678)
  - [30] GB (2105744.3) 2021-04-22
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[13] A1

- [51] Int.Cl. G01N 33/573 (2006.01) G01N 33/574 (2006.01)
- [25] EN
- [54] METHODS FOR DETECTING OR TREATING ENDOMETRIAL AND OVARIAN HYPERPROLIFERATIVE DISORDERS
- [54] METHODES DE DETECTION OU DE TRAITEMENT DE TROUBLES HYPERPROLIFERATIFS DE L'ENDOMETRE ET DE L'OVAIRE
- [72] SAED, GHASSAN, NL
- [71] TEMPLE THERAPEUTICS BV, NL
- [85] 2023-10-18
- [86] 2022-04-19 (PCT/IB2022/053647)
- [87] (WO2022/224137)
- [30] US (63/176,852) 2021-04-19
- [30] US (63/277,438) 2021-11-09

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[13] A1

- [51] Int.Cl. G06F 30/20 (2020.01) A62C 35/60 (2006.01) A62C 35/62 (2006.01) A62C 35/68 (2006.01)
  - [25] EN
  - [54] FIRE SPRINKLER SIMULATION SYSTEM
  - [54] SYSTEME DE SIMULATION D'EXTINCEUR AUTOMATIQUE D'INCENDIE
  - [72] AGAN, ARASH, US
  - [71] TYCO FIRE PRODUCTS LP, US
  - [85] 2023-10-18
  - [86] 2022-05-16 (PCT/IB2022/054541)
  - [87] (WO2022/254272)
  - [30] US (63/196,461) 2021-06-03
  - [30] US (63/231,604) 2021-08-10
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- [51] Int.Cl. H02K 1/16 (2006.01) H02K 1/14 (2006.01) H02K 3/12 (2006.01) H02K 15/02 (2006.01) H02K 15/04 (2006.01) H02K 15/06 (2006.01)
  - [25] EN
  - [54] METHOD FOR THE MAKING OF A STATOR FOR ELECTRIC MOTORS, AND RESPECTIVE STATOR FOR ELECTRIC MOTORS
  - [54] PROCEDE DE FABRICATION D'UN STATOR POUR MOTEURS ELECTRIQUES, ET STATOR RESPECTIF POUR MOTEURS ELECTRIQUES
  - [72] PARATI, GIAN BATTISTA, IT
  - [71] MARSILLI S.P.A., IT
  - [85] 2023-10-18
  - [86] 2022-03-21 (PCT/IB2022/052530)
  - [87] (WO2022/234354)
  - [30] IT (102021000011528) 2021-05-06
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[13] A1

- [51] Int.Cl. A47L 11/30 (2006.01) A47L 11/40 (2006.01)
- [25] EN
- [54] HANDHELD CLEANING APPARATUS
- [54] APPAREIL DE NETTOYAGE PORTATIF
- [72] YANG, YUNLONG, CN
- [71] BEIJING ROBOROCK TECHNOLOGY CO., LTD., CN
- [85] 2023-10-18
- [86] 2021-09-07 (PCT/CN2021/116987)
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- [30] CN (202110474030.6) 2021-04-29

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- [25] EN
- [54] MODIFIED FERROPORTIN INHIBITORS
- [54] INHIBITEURS DE FERROPORTINE MODIFIES
- [72] BUHR, WILM, DE
- [72] KALOGERAKIS, ARIS, CH
- [72] UMLAND, KLAUS-DANIEL, CH
- [72] REIM, STEFAN, LI
- [72] MANOLOVA, VANIA, CH
- [72] ALTERMATT, PATRICK, CH
- [72] FLACE, ANNA, CH
- [71] VIFOR (INTERNATIONAL) AG, CH
- [85] 2023-10-18
- [86] 2022-04-21 (PCT/EP2022/060546)
- [87] (WO2022/223689)
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[13] A1

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- [25] EN
- [54] COMPOSITIONS, METHODS, AND SYSTEMS TO FORM VATERITE WITH MAGNESIUM OXIDE
- [54] COMPOSITIONS, PROCEDES ET SYSTEMES POUR FORMER DE LA VATERITE AVEC DE L'OXYDE DE MAGNESIUM
- [72] HARGIS, CRAIG, US
- [72] GILLIAM, RYAN J., US
- [71] ARELAC, INC., US
- [85] 2023-10-18
- [86] 2022-04-19 (PCT/US2022/025312)
- [87] (WO2022/225904)
- [30] US (63/176,709) 2021-04-19

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[13] A1

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- [25] EN
- [54] CONDUCTIVE MATERIAL DISPERSION, SECONDARY BATTERY ELECTRODE COMPOSITION USING SAME, ELECTRODE FILM, AND SECONDARY BATTERY
- [54] DISPERSION DE MATERIAU CONDUCTEUR, COMPOSITION D'ELECTRODE DE BATTERIE SECONDAIRE L'UTILISANT, FILM D'ELECTRODE ET BATTERIE SECONDAIRE
- [72] AOTANI, YU, JP
- [71] TOYO INK SC HOLDINGS CO., LTD., JP
- [71] TOYOCOLOR CO., LTD., JP
- [85] 2023-10-18
- [86] 2022-04-18 (PCT/JP2022/018010)
- [87] (WO2022/224925)
- [30] JP (2021-070315) 2021-04-19

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[13] A1

- [51] Int.Cl. C25B 1/04 (2021.01) C25B 9/23 (2021.01) C25B 9/75 (2021.01) C25B 9/77 (2021.01) C25B 11/031 (2021.01) C25B 11/032 (2021.01)
- [25] EN
- [54] WATER ELECTROLYSIS STACK FOR GENERATING HYDROGEN AND OXYGEN FROM WATER
- [54] EMPILEMENT D'ELECTROLYSE DE L'EAU POUR GENERER DE L'HYDROGENE ET DE L'OXYGENE A PARTIR D'EAU
- [72] HOLLER, STEFAN, DE
- [71] HOELLER ELECTROLYZER GMBH, DE
- [85] 2023-10-18
- [86] 2021-05-03 (PCT/EP2021/061583)
- [87] (WO2022/233386)

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[13] A1

- [51] Int.Cl. B21C 37/12 (2006.01) F16L 9/02 (2006.01)
- [25] EN
- [54] MOBILE FACTORY OF STEEL SHEET COIL HELICAL PIPE
- [54] FABRIQUE ITINERANTE DE TUBE HELICOIDAL A PARTIR D'UNE BOBINE DE PLAQUE D'ACIER
- [72] OLIVEIRA, ENE PIRES DE, BR
- [72] PEREIRA, RICARDO MIGUEL LEITAO, BR
- [71] MEMPS-TUBOS HELICOIDAIS INDUSTRIA E SERVICOS LTDA, BR
- [85] 2023-10-18
- [86] 2021-04-20 (PCT/BR2021/050163)
- [87] (WO2022/221929)

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[13] A1

- [51] Int.Cl. G06V 20/80 (2022.01) G06V 10/82 (2022.01)
- [25] EN
- [54] METHOD FOR IDENTIFYING WOOD-BASED PANELS
- [54] PROCEDE D'IDENTIFICATION DE PANNEAUX A BASE DE BOIS
- [72] NIEDERER, RALF, AT
- [72] MAURER, OLIVER, AT
- [71] FRITZ EGGER GMBH & CO. OG, AT
- [85] 2023-10-18
- [86] 2022-04-20 (PCT/EP2022/060318)
- [87] (WO2022/223563)
- [30] EP (21169861.8) 2021-04-22

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[13] A1

- [51] Int.Cl. D05C 15/08 (2006.01)
- [25] EN
- [54] VARIABLE GRASS-LENGTH INJECTION
- [54] INJECTION A LONGUEUR D'HERBE VARIABLE
- [72] MULLAN, GEORGE ALEXANDER, IE
- [72] SCHUURMAN, THOMAS, NL
- [72] LAMOT, IVO JOHANNES GERARDUS, NL
- [72] GALESLOOT, EDUARD ANDREAS, NL
- [71] SISGRASS B.V., NL
- [85] 2023-10-18
- [86] 2022-04-19 (PCT/EP2022/060280)
- [87] (WO2022/223538)
- [30] NL (2028007) 2021-04-19
- [30] NL (2028838) 2021-07-26

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[51] Int.Cl. A23K 20/147 (2016.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 37/08 (2006.01) C07K 16/02 (2006.01) C07K 16/18 (2006.01)  
 [25] EN  
 [54] CAT FOOD SUPPLEMENTS COMPRISING AN ANTI-FEL-D1 MOLECULE AND AN ANIMAL DIGEST  
 [54] COMPLEMENTS ALIMENTAIRES POUR CHATS COMPRENANT UNE MOLECULE ANTI-FEL-D1 ET UN DIGESTAT ANIMAL  
 [72] LALLEMAND, MAUD ISABELLE, FR  
 [72] FILIPI, IVAN, US  
 [71] SOCIETE DES PRODUITS NESTLE S.A., CH  
 [85] 2023-10-18  
 [86] 2022-04-28 (PCT/IB2022/053957)  
 [87] (WO2022/243769)  
 [30] US (63/189,450) 2021-05-17

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[13] A1

[51] Int.Cl. H02K 15/03 (2006.01) H02K 15/12 (2006.01)  
 [25] EN  
 [54] ROTOR CORE MANUFACTURING METHOD, AND ROTOR CORE MOLDING SYSTEM THEREFORE  
 [54] PROCEDE DE FABRICATION DE NOYAU DE ROTOR ET SYSTEME DE MOULAGE DE NOYAU DE ROTOR ASSOCIE  
 [72] CLAASSEN, HUBERT WILHEM PETRUS, NL  
 [72] BROUWER, ERIK, NL  
 [71] BOSCHMAN TECHNOLOGIES BV, NL  
 [85] 2023-10-18  
 [86] 2022-04-19 (PCT/NL2022/050213)  
 [87] (WO2022/225392)  
 [30] NL (2028010) 2021-04-19

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[13] A1

[51] Int.Cl. C07K 14/47 (2006.01)  
 [25] EN  
 [54] METHOD AND COMPOSITION  
 [54] METHODE ET COMPOSITION  
 [72] SWEENEY, CONNOR, GB  
 [72] VYAS, PARESH, GB  
 [71] OXFORD UNIVERSITY INNOVATION LIMITED, GB  
 [85] 2023-10-18  
 [86] 2022-04-21 (PCT/GB2022/050996)  
 [87] (WO2022/223970)  
 [30] GB (2105673.4) 2021-04-21  
 [30] GB (2203492.0) 2022-03-14

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[13] A1

[25] EN  
 [54] SECURE ACCESS FOR VCORES  
 [54] ACCES SECURISE POUR C?URS VIRTUELS  
 [72] DILLON, TIMOTHY, US  
 [72] WARNER, SHAWN, US  
 [72] ZHIDONG, YAO, US  
 [72] SAWIN, JONATHAN, US  
 [72] RAJALINGARI, KARTHIK, US  
 [72] GILMORE, DEREK, IE  
 [71] ARRIS ENTERPRISES LLC, US  
 [85] 2023-10-18  
 [86] 2021-05-18 (PCT/US2021/033002)  
 [87] (WO2022/225541)  
 [30] US (63/177,310) 2021-04-20

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[13] A1

[51] Int.Cl. B65D 47/36 (2006.01)  
 [25] EN  
 [54] LID, COMBINATION OF CONTAINER AND LID, AND CONTAINER WITH LID  
 [54] CORPS DE COUVERCLE, COMBINAISON D'UN RECIPIENT ET D'UN CORPS DE COUVERCLE ET RECIPIENT DOTE D'UN CORPS DE COUVERCLE  
 [72] HAYASHI, HIROYOSHI, JP  
 [71] KY7 INC., JP  
 [85] 2023-10-18  
 [86] 2022-06-14 (PCT/JP2022/023868)  
 [87] (WO2022/265027)  
 [30] JP (2021-099797) 2021-06-15  
 [30] JP (2021-132093) 2021-08-13  
 [30] JP (2021-183765) 2021-11-10  
 [30] JP (2022-000005) 2022-01-01  
 [30] JP (2022-018335) 2022-02-08  
 [30] US (63/344,399) 2022-05-20  
 [30] JP (2022-083460) 2022-05-21  
 [30] JP (2022-088116) 2022-05-30  
 [30] JP (2022-089977) 2022-06-01  
 [30] JP (2022-093354) 2022-06-08

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[13] A1

[51] Int.Cl. H01M 8/2432 (2016.01) H01M 8/021 (2016.01) H01M 8/0247 (2016.01) H01M 8/0258 (2016.01) H01M 8/0271 (2016.01) H01M 8/0282 (2016.01) H01M 8/2483 (2016.01) H01M 8/2484 (2016.01) C25B 1/042 (2021.01) C25B 1/23 (2021.01) C25B 9/60 (2021.01) C25B 9/75 (2021.01) C25B 9/77 (2021.01) C25B 15/08 (2006.01) H01M 8/124 (2016.01)

[25] EN

[54] SOLID OXIDE CELL STACK COMPRISING INTEGRATED INTERCONNECT, SPACER AND MANIFOLD

[54] EMPILEMENT DE PILES A OXYDE SOLIDE COMPRENANT UNE INTERCONNEXION INTEGREE, UN ESPACEUR ET UN COLLECTEUR

[72] HEIREDAL-CLAUSEN, THOMAS, DK

[72] RASS-HANSEN, JEPPE, DK

[72] NORBY, TOBIAS HOLT, DK

[72] KUNGAS, RAINER, EE

[72] BLENNOW, BENGT PETER GUSTAV, DK

[71] TOPSOE A/S, DK

[85] 2023-10-18

[86] 2022-02-08 (PCT/EP2022/052991)

[87] (WO2022/233466)

[30] EP (21171855.6) 2021-05-03

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[13] A1

[51] Int.Cl. B01D 15/36 (2006.01) C01D 15/02 (2006.01) C01D 15/04 (2006.01)

[25] EN

[54] ION EXCHANGE DEVICES FOR LITHIUM EXTRACTION

[54] DISPOSITIFS D'ECHANGE D'IONS POUR L'EXTRACTION DE LITHIUM

[72] SNYACKER, DAVID HENRY, US

[72] GROSSO GIORDANO, NICOLAS ANDRES, US

[72] INDRANADA, AMOS, US

[72] LUKITO, ALYSIA, US

[72] BOOTWALA, MUSTAFA JUZER, US

[72] LAPORTE, DANIEL KEANE, US

[72] FLEMING, CHRISTINA, US

[71] LILAC SOLUTIONS, INC., US

[85] 2023-10-18

[86] 2022-04-21 (PCT/US2022/025810)

[87] (WO2022/226219)

[30] US (63/179,153) 2021-04-23

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[13] A1

[51] Int.Cl. C07D 207/34 (2006.01) A61P 9/12 (2006.01) C07B 43/06 (2006.01) C07D 231/14 (2006.01)

[25] EN

[54] PREPARATION METHOD FOR PYRROLE AMIDE COMPOUND

[54] PROCEDE DE PREPARATION D'UN COMPOSE PYRROLE AMIDE

[72] WANG, JIANCHENG, CN

[72] ZHANG, YINGXUN, CN

[72] YANG, CHUANWEN, CN

[72] ZONG, QIAO, CN

[72] MA, FACHENG, CN

[72] DING, XIAOHONG, CN

[72] WANG, XIAOJUN, CN

[71] SUNSHINE LAKE PHARMA CO., LTD., CN

[85] 2023-10-18

[86] 2022-04-19 (PCT/CN2022/087723)

[87] (WO2022/228215)

[30] CN (202110452047.1) 2021-04-26

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[21] 3,216,005  
[13] A1

[25] EN

[54] FC VARIANT WITH ENHANCED AFFINITY TO FC RECEPTORS AND IMPROVED THERMAL STABILITY

[54] VARIANT FC A AFFINITE AMELIOREE VIS-A-VIS DE RECEPTEURS FC ET STABILITE THERMIQUE AMELIOREE

[72] BENINGA, JOCHEN, DE

[72] CAMERON, BEATRICE, FR

[72] FOCKEN, INGO, DE

[72] KATHURIA, SAGAR, US

[72] LANGE, CHRISTIAN, DE

[72] MASIERO, ALESSANDRO, FR

[72] PARK, SUNGHAE, US

[72] TILLMANN, BODO, DE

[71] SANOFI, FR

[85] 2023-10-18

[86] 2022-05-27 (PCT/IB2022/055019)

[87] (WO2022/249146)

[30] US (63/193,665) 2021-05-27

[30] EP (21315127.7) 2021-07-15

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[21] 3,216,006  
[13] A1

[51] Int.Cl. A23K 50/90 (2016.01)

[25] EN

[54] INSECT BIOMASS PREPARATION

[54] PREPARATION DE BIOMASSE D'INSECTES

[72] BRUCE, NEIL, GB

[72] SETCHFIELD, ALEXANDER, GB

[72] LEADBEATER, DANIEL, GB

[71] THE UNIVERSITY OF YORK, GB

[85] 2023-10-18

[86] 2022-04-21 (PCT/EP2022/060576)

[87] (WO2022/223703)

[30] GB (2105850.8) 2021-04-23

[21] 3,216,006  
[13] A1

[51] Int.Cl. F42B 1/032 (2006.01) F42B 1/036 (2006.01)

[25] EN

[54] LINER FOR A SHAPED CHARGE AND METHOD FOR MANUFACTURING A LINER

[54] REVETEMENT POUR UNE CHARGE FORMEE ET PROCEDE DE FABRICATION D'UN REVETEMENT

[72] GUSTAFSSON, MARCUS, SE

[72] BJORKGREN, VICTOR, SE

[71] SAAB AB, SE

[85] 2023-10-18

[86] 2022-04-19 (PCT/SE2022/050378)

[87] (WO2022/225438)

[30] SE (2100065-8) 2021-04-23

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[13] A1

[51] Int.Cl. A45D 19/04 (2006.01) A45D 19/06 (2006.01) A47K 1/04 (2006.01)  
[25] EN  
[54] A PORTABLE BASIN ASSEMBLY AND METHOD OF USE THEREOF  
[54] ENSEMBLE LAVABO PORTATIF ET SON PROCEDE D'UTILISATION  
[72] ATTWAL, HARJEET, AU  
[72] GAVAN, REBECCA, AU  
[71] SINGH ATTWAL PTY LTD, AU  
[85] 2023-10-18  
[86] 2022-05-03 (PCT/AU2022/050411)  
[87] (WO2022/232872)  
[30] AU (2021901311) 2021-05-03

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**[21] 3,216,011**  
[13] A1

[51] Int.Cl. A61C 19/06 (2006.01) A61C 17/02 (2006.01)  
[25] EN  
[54] SMART ORAL CLEANER  
[54] NETTOYANT BUCCAL INTELLIGENT  
[72] SUN, YUCHUN, CN  
[72] ZHANG, YAOPENG, CN  
[72] ZHOU, YONGSHENG, CN  
[72] GUO, CHUANBIN, CN  
[72] WANG, YONG, CN  
[72] LIU, YUNSONG, CN  
[72] ZHANG, LEI, CN  
[72] GAO, LI, CN  
[72] GUO, SULI, CN  
[72] Zhai, WENRU, CN  
[71] NANJING PROFETA INTELLIGENT TECHNOLOGY CO., LTD., CN  
[85] 2023-10-18  
[86] 2022-04-14 (PCT/CN2022/086793)  
[87] (WO2022/222838)  
[30] CN (202110417134.3) 2021-04-19

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[51] Int.Cl. G06N 3/04 (2023.01) G16C 20/70 (2019.01) G06N 3/08 (2023.01) G16C 20/30 (2019.01) G16C 20/50 (2019.01)  
[25] EN  
[54] TRAINING GRAPH NEURAL NETWORKS USING A DE-NOISING OBJECTIVE  
[54] ENTRAINEMENT DE RESEAUX NEURONAUX GRAPHIQUES A L'AIDE D'UN OBJECTIF DE DEBRUITAGE  
[72] GODWIN, JONATHAN WILLIAM, GB  
[72] BATTAGLIA, PETER WILLIAM, GB  
[72] SCHAAERSCHMIDT, KEVIN MICHAEL, GB  
[72] SANCHEZ, ALVARO, GB  
[71] DEEPMIND TECHNOLOGIES LIMITED, GB  
[85] 2023-10-18  
[86] 2022-05-30 (PCT/EP2022/064565)  
[87] (WO2022/248735)  
[30] US (63/194,851) 2021-05-28

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[13] A1

[51] Int.Cl. A61K 31/7048 (2006.01) A61K 36/752 (2006.01) A61P 31/12 (2006.01)  
[25] EN  
[54] NUTRITIONAL SUPPLEMENTS FOR AMELIORATION OF RESPIRATORY TRACT INFECTIONS  
[54] SUPPLEMENTS NUTRITIONNELS POUR L'AMELIORATION D'INFECTIONS DES VOIES RESPIRATOIRES  
[72] THOMAS, RICHARD, GB  
[71] CITROX BIOSCIENCES LIMITED, GB  
[85] 2023-10-18  
[86] 2022-04-14 (PCT/GB2022/050956)  
[87] (WO2022/223953)  
[30] GB (2105576.9) 2021-04-19

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**[21] 3,216,029**  
[13] A1

[25] EN  
[54] SYSTEM AND METHOD FOR GUIDING POSITIONING AND ORIENTING OF AN ULTRASOUND PROBE  
[54] SYSTEME ET PROCEDE DE GUIDAGE DE POSITIONNEMENT ET D'ORIENTATION D'UNE SONDE A ULTRASONS  
[72] GONEN, RAANAN, IL  
[72] PORAT STOLER, GANIT, IL  
[72] WEISS, ISSAHAR, IL  
[72] KEZURER, ITAY, IL  
[72] GIL, LAHAV, CA  
[72] DORON, ADAM ITZHAK, IL  
[71] ULTRASIGHT LTD, IL  
[85] 2023-10-19  
[86] 2022-04-10 (PCT/IL2022/050369)  
[87] (WO2022/224237)  
[30] US (17/235,972) 2021-04-21  
[30] US (17/715,128) 2022-04-07

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**[21] 3,216,034**  
[13] A1

[51] Int.Cl. A61K 39/395 (2006.01) C12N 15/11 (2006.01)  
[25] EN  
[54] ANTI-MASP2 ANTIBODY, ANTIGEN-BINDING FRAGMENT THEREOF AND MEDICAL USE THEREOF  
[54] ANTICORPS ANTI-MASP2, FRAGMENT DE LIAISON A L'ANTIGENE DE CELUI-CI ET UTILISATION MEDICALE ASSOCIEE  
[72] YANG, XIAOFENG, CN  
[72] WEN, JING, CN  
[72] ZHANG, JINGYANG, CN  
[72] ZHOU, CAIHONG, CN  
[72] LIAO, CHENG, CN  
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN  
[71] SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD., CN  
[85] 2023-10-19  
[86] 2022-04-25 (PCT/CN2022/088914)  
[87] (WO2022/228364)  
[30] CN (202110450267.0) 2021-04-25

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**[21] 3,216,043**

[13] A1

- [51] Int.Cl. G02C 7/04 (2006.01)
- [25] EN
- [54] METHODS OF INCREASED CONTACT LENS ROTATION
- [54] PROCEDES DE ROTATION DE LENTILLE DE CONTACT AUGMENTEE
- [72] ARUMUGAM, BASKAR, US
- [72] BRADLEY, ARTHUR, US
- [72] WEBBER, MARTIN, GB
- [72] CHAMBERLAIN, PAUL, US
- [71] COOPERVISION INTERNATIONAL LIMITED, GB
- [85] 2023-10-19
- [86] 2022-04-22 (PCT/GB2022/051021)
- [87] (WO2022/229605)
- [30] US (63/181,246) 2021-04-29

**[21] 3,216,045**

[13] A1

- [51] Int.Cl. A61K 31/445 (2006.01) A61K 31/4545 (2006.01) A61K 31/506 (2006.01) C07C 217/58 (2006.01) C07C 217/86 (2006.01) C07C 255/54 (2006.01) C07D 211/40 (2006.01)
- [25] EN
- [54] COMPOUNDS AS PD1/PD-L1 INHIBITORS AND METHODS THEREOF
- [54] COMPOSES UTILISES EN TANT QU'INHIBITEURS DE PD1/PD-L1 ET PROCEDES ASSOCIES
- [72] SADHU, NAVEEN, IN
- [72] SIVANANDHAN, DHANALAKSHMI, IN
- [72] MOHD, ZAINUDDIN, IN
- [72] RAJAGOPAL, SRIDHARAN, IN
- [71] JUBILANT PRODEL LLC, US
- [85] 2023-10-19
- [86] 2022-04-22 (PCT/IN2022/050381)
- [87] (WO2022/224278)
- [30] IN (202141018688) 2021-04-22

**[21] 3,216,067**

[13] A1

- [51] Int.Cl. A61M 25/02 (2006.01)
- [25] EN
- [54] APPARATUS AND METHOD FOR SECUREMENT OF A FLEXIBLE CONDUIT
- [54] APPAREIL ET PROCEDE DE FIXATION D'UN CONDUIT FLEXIBLE
- [72] BARNETT-VANES, DR. ASHTON, GB
- [72] KITCHING, ALAN, GB
- [71] JAVELO HEALTH LIMITED, GB
- [85] 2023-10-19
- [86] 2022-04-28 (PCT/GB2022/051089)
- [87] (WO2022/229649)
- [30] GB (2106271.6) 2021-04-30

**[21] 3,216,068**

[13] A1

- [51] Int.Cl. G02B 6/42 (2006.01)
- [25] FR
- [54] METHOD FOR HIGH-PRECISION COUPLING OF AN OPTICAL FIBER TO A PHOTONIC DEVICE AND MICROSTRUCTURE USED TO IMPLEMENT SAID METHOD
- [54] PROCEDE DE COUPLAGE DE HAUTE PRECISION D'UNE FIBRE OPTIQUE AVEC UN DISPOSITIF PHOTONIQUE ET MICROSTRUCTURE DE MISE EN OEUVRE
- [72] PASTIER, FLORIAN, FR
- [72] SOMASCHI, NICCOLO, FR
- [72] GIESZ, VALERIAN, FR
- [71] QUANDELA, FR
- [85] 2023-10-19
- [86] 2022-04-27 (PCT/FR2022/050805)
- [87] (WO2022/229559)
- [30] FR (FR2104457) 2021-04-28

**[21] 3,216,071**

[13] A1

- [51] Int.Cl. C08F 14/18 (2006.01) C08F 114/18 (2006.01) C08L 27/12 (2006.01)
- [25] EN
- [54] NOVEL PHOSPHONATED FLUOROELASTOMERS (PFKMS), PHOSPHONATED PERFLUOROELASTOMERS (PFFKMS), THEIR PROCESS OF PREPARATION AND USE IN ELECTROMEMBRANE APPLICATIONS
- [54] NOUVEAUX FLUOROELASTOMERES PHOSPHONES (PFKM), PERFLUOROELASTOMERES PHOSPHONES (PFFKM), LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION DANS DES APPLICATIONS A ELECTRO-MEMBRANE
- [72] CHROMIK, ANDREAS, DE
- [71] RIVA POWER SYSTEMS GMBH & CO. KG, DE
- [85] 2023-10-19
- [86] 2022-06-23 (PCT/DE2022/100467)
- [87] (WO2022/268266)
- [30] DE (10 2021 003 229.2) 2021-06-23

**[21] 3,216,073**

[13] A1

- [51] Int.Cl. C25C 3/12 (2006.01)
- [25] EN
- [54] AN ELECTRODE BODY OF AN ELECTRODE FOR THE ELECTROLYTIC PRODUCTION OF A METAL
- [54] CORPS D'ELECTRODE D'UNE ELECTRODE POUR LA PRODUCTION ELECTROLYTIQUE D'UN METAL
- [72] SHANTA, CHARLES, US
- [72] PRINCE, DAVID, US
- [72] MICKELOSON, LARRY, US
- [71] ELYSIS LIMITED PARTNERSHIP, CA
- [85] 2023-10-19
- [86] 2022-09-06 (PCT/CA2022/051333)
- [87] (WO2023/035063)
- [30] US (63/241,258) 2021-09-07

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**[21] 3,216,075**

[13] A1

- [51] Int.Cl. A23F 5/40 (2006.01) A23L 11/60 (2021.01) A23C 1/12 (2006.01) A23C 1/14 (2006.01) A23C 11/02 (2006.01) A23C 11/06 (2006.01) A23C 11/10 (2021.01)
  - [25] EN
  - [54] PLANT BASED FOAMING CREAMER
  - [54] SUCCEDANE DE CREME MOUSSANT A BASE DE PLANTES
  - [72] WOOSTER, TIMOTHY JAMES, CH
  - [72] BORTOLIN, MARINA, FR
  - [71] SOCIETE DES PRODUITS NESTLE S.A., CH
  - [85] 2023-10-19
  - [86] 2022-05-31 (PCT/EP2022/064688)
  - [87] (WO2022/253796)
  - [30] EP (21176879.1) 2021-05-31
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**[21] 3,216,078**

[13] A1

- [51] Int.Cl. A61B 1/06 (2006.01) A61B 1/12 (2006.01) A61B 1/24 (2006.01) A61C 9/00 (2006.01)
- [25] EN
- [54] THREE-DIMENSIONAL ORAL IMAGING SYSTEM AND METHOD
- [54] SYSTEME ET PROCEDE D'IMAGERIE ORALE TRIDIMENSIONNELLE
- [72] MARGHALANI, THAMER, US
- [71] MARGHALANI, THAMER, US
- [85] 2023-10-19
- [86] 2022-02-09 (PCT/IB2022/051178)
- [87] (WO2022/243752)
- [30] US (17/324,980) 2021-05-19

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**[21] 3,216,080**

[13] A1

- [51] Int.Cl. A41C 3/00 (2006.01) A41C 3/10 (2006.01) A41C 3/12 (2006.01) A41C 3/14 (2006.01) A41F 1/00 (2006.01)
  - [25] EN
  - [54] SUSTAINABLE BRA GARMENT AND IMPROVED BIO-BASED PAD PORTIONS
  - [54] VETEMENT DE SOUTIEN-GORGE DURABLE ET PARTIES COUSSINETS D'ORIGINE BIOLOGIQUE AMELIOREES
  - [72] DELEVATI, GIANCARLOS, US
  - [72] BASTUG, EVE, US
  - [72] NASSER, YOSEPH, US
  - [71] GELMART INDUSTRIES, INC., US
  - [85] 2023-10-19
  - [86] 2021-07-13 (PCT/US2021/041461)
  - [87] (WO2022/250715)
  - [30] US (17/329,790) 2021-05-25
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**[21] 3,216,082**

[13] A1

- [51] Int.Cl. C09J 105/08 (2006.01) C08L 5/08 (2006.01) D04H 1/64 (2012.01) C08K 5/053 (2006.01) C09J 11/06 (2006.01)
- [25] EN
- [54] BIOBASED BINDER COMPOSITIONS FOR AIRLAID NONWOVEN MATERIALS
- [54] COMPOSITIONS LIANTES BIOSOURCEES POUR DES MATERIAUX NON TISSES LIES PAR VOIE AERODYNAMIQUE
- [72] WENNMAN, MARIA, SE
- [72] HELLBERG, MARTEN, SE
- [72] KISHANI, SAINA, SE
- [71] ORGANOCCLICK AB, SE
- [85] 2023-10-19
- [86] 2022-05-04 (PCT/SE2022/050429)
- [87] (WO2022/235189)
- [30] SE (2150568-0) 2021-05-04

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**[21] 3,216,083**

[13] A1

- [51] Int.Cl. C07D 211/20 (2006.01) C07D 211/22 (2006.01)
  - [25] EN
  - [54] ACID ADDITION SALTS OF (S)-3-(2,5-DIMETHOXY-4-(TRIFLUOROMETHYL)PHENYL)PIPERIDINE AND (S)-3-(2-METHOXY-5-(METHYLTHIO)-4-(TRIFLUOROMETHYL)PHENYL)PIPERIDINE, SPECIFIC POLYMORPHS THEREOF AND METHODS FOR THEIR MANUFACTUR
  - [54] SELS D'ADDITION D'ACIDE DE (S)-3-(2,5-DIMETHOXY-4-(TRIFLUOROMETHYL)PHENYL)PIPERIDINE ET DE (S)-3-(2-METHOXY-5-(METHYLTHIO)-4-(TRIFLUOROMETHYL)PHENYL)PIPERIDINE, LEURS POLYMORPHES SPECIFIQUES ET LEURS PROCEDES DE FABRICATIO
  - [72] KRISTENSEN, JESPER LANGGAARD, DK
  - [72] MARCHER-RORSTED, EMIL, DK
  - [71] LOPHORA APS, DK
  - [85] 2023-10-19
  - [86] 2022-05-05 (PCT/EP2022/062142)
  - [87] (WO2022/234010)
  - [30] EP (21172539.5) 2021-05-06
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**[21] 3,216,084**

[13] A1

- [51] Int.Cl. E21B 17/043 (2006.01)
- [25] EN
- [54] THREADED CONNECTION FOR EXPLORATION AND PRODUCTION OF A HYDROCARBON WELL
- [54] RACCORD FILETE D'EXPLORATION ET DE PRODUCTION DE PUITS D'HYDROCARBURES
- [72] ZABALOY, JULIAN IGNACIO, AR
- [72] MANTOVANO, LUCIANO OMAR, AR
- [72] MAZZAFERRO, GASTON MAURO, AR
- [71] TENARIS CONNECTIONS B.V., NL
- [85] 2023-10-19
- [86] 2022-04-21 (PCT/EP2022/060548)
- [87] (WO2022/228991)
- [30] NL (2028072) 2021-04-26

## Demandes PCT entrant en phase nationale

<p style="text-align: right;"><b>[21] 3,216,085</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C10L 1/04 (2006.01)</p> <p>[25] EN</p> <p>[54] MARINE FUEL COMPOSITIONS WITH ACCEPTABLE WAX BEHAVIOR</p> <p>[54] COMPOSITIONS DE COMBUSTIBLE MARIN AYANT UN COMPORTEMENT DE CIRE ACCEPTABLE</p> <p>[72] ANDERSON, TIMOTHY J., US</p> <p>[72] FRUCHEY, ERIN R., US</p> <p>[72] GOLISZ, SUZANNE R., US</p> <p>[72] KAR, KENNETH C.H., US</p> <p>[72] RUBIN-PITEL, SHERYL B., US</p> <p>[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US</p> <p>[85] 2023-10-19</p> <p>[86] 2021-04-30 (PCT/US2021/030058)</p> <p>[87] (WO2022/231606)</p> <p>[30] US (17/244,222) 2021-04-29</p>	<p style="text-align: right;"><b>[21] 3,216,089</b></p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] INHIBITORY RNA FOR THE CONTROL OF PHYTOPATHOGENS</p> <p>[54] ARN INHIBITEUR POUR LA LUTTE CONTRE LES PHYTOPATHOGENES</p> <p>[72] WILDERMUTH, MARY C., US</p> <p>[72] TANEJA, JYOTI, US</p> <p>[72] MCRAE, AMANDA G., US</p> <p>[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-19 (PCT/US2022/025330)</p> <p>[87] (WO2022/225915)</p> <p>[30] US (63/176,795) 2021-04-19</p>	<p style="text-align: right;"><b>[21] 3,216,091</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 47/18 (2017.01)</p> <p>[25] EN</p> <p>[54] ORAL DELIVERY OF OLIGONUCLEOTIDES</p> <p>[54] ADMINISTRATION ORALE D'OLIGONUCLEOTIDES</p> <p>[72] OERUM, HENRIK, US</p> <p>[72] NOBLE, STEWART ALWYL, US</p> <p>[72] SHEAR, CHARLES LESTER, US</p> <p>[71] CIVI BIOPHARMA, INC., US</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-21 (PCT/US2022/025807)</p> <p>[87] (WO2022/226217)</p> <p>[30] US (63/178,361) 2021-04-22</p> <p>[30] US (63/261,506) 2021-09-22</p> <p>[30] US (63/288,379) 2021-12-10</p>
<p style="text-align: right;"><b>[21] 3,216,088</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 31/57 (2006.01) A61P 29/00 (2006.01) C07J 51/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SALTS AND CRYSTALLINE FORMS OF (3E)-3-[O-[(PHOSPHONOXY)METHYL]OXY]ME]-PREGN-4-ENE-3,20-DIONE AND RELATED USES</p> <p>[54] SELS ET FORMES CRISTALLINES DE (3E)-3-[O-[(PHOSPHONOXY)METHYL]OXY]ME]-PREGN-4-ENE-3,20-DIONE ET UTILISATIONS ASSOCIEES</p> <p>[72] MILLER, RAYMOND BRENT, US</p> <p>[72] KELK, NATALIE, GB</p> <p>[72] PEARSON, DAVID, GB</p> <p>[72] SHAPIRO, GIDEON, US</p> <p>[71] NEUROTRAUMA SCIENCES LLC, US</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-19 (PCT/US2022/025339)</p> <p>[87] (WO2022/225920)</p> <p>[30] US (63/176,489) 2021-04-19</p>	<p style="text-align: right;"><b>[21] 3,216,090</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 31/4178 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOUNDS FOR USE IN THE TREATMENT OF HYPERPROLIFERATIVE DISORDERS</p> <p>[54] COMPOSES A UTILISER DANS LE TRAITEMENT DE TROUBLES HYPERPROLIFERATIFS</p> <p>[72] GARCIA PALMER, HECTOR, ES</p> <p>[72] PUIG BORREIL, ISABEL, ES</p> <p>[72] TABERNERO CATURLA, JOSEP, ES</p> <p>[72] GALDEANO CANTADOR, CARLOS, ES</p> <p>[72] MUÑOZ-TORRERO LOPEZ-IBARRA, DIEGO, ES</p> <p>[72] BARRIL ALONSO, XAVIER, ES</p> <p>[72] RUIZ CARMONA, SERGIO, ES</p> <p>[71] FUNDACIO PRIVADA INSTITUT D'INVESTIGACIO ONCOLOGICA DE VALL HEBRON, ES</p> <p>[71] UNIVERSITAT DE BARCELONA, ES</p> <p>[71] INSTITUCIO CATALANA DE RECERCA / ESTUDIS AVANCATS, ES</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-22 (PCT/EP2022/060705)</p> <p>[87] (WO2022/229020)</p> <p>[30] FR (FR2104390) 2021-04-28</p>	<p style="text-align: right;"><b>[21] 3,216,092</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B63B 1/30 (2006.01) B63B 32/64 (2020.01) B63B 32/66 (2020.01) B63B 1/26 (2006.01)</p> <p>[25] FR</p> <p>[54] HYDROFOIL WITH VARIABLE LIFT AND DRAG FOR A WATERCRAFT</p> <p>[54] HYDROFOIL A PORTANCE ET TRAINEE VARIABLES POUR UN ENGIN NAUTIQUE</p> <p>[72] BILLOIS, SEBASTIEN, FR</p> <p>[71] BILLOIS, SEBASTIEN, FR</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-22 (PCT/EP2022/060705)</p> <p>[87] (WO2022/229020)</p> <p>[30] FR (FR2104390) 2021-04-28</p>

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[21] **3,216,095**

[13] A1

- [51] Int.Cl. C07K 14/575 (2006.01) A61P 1/16 (2006.01) C07K 14/605 (2006.01)  
 [25] EN  
 [54] PREPARATION AND APPLICATION OF POLYPEPTIDE  
 [54] PREPARATION ET APPLICATION DE POLYPEPTIDE  
 [72] JIANG, ZHIGAN, CN  
 [72] CHEN, XIAOXIN, CN  
 [72] PAN, ZHIXIANG, CN  
 [72] CHEN, MINGLU, CN  
 [72] HE, HAIYING, CN  
 [72] HUANG, JIANZHOU, CN  
 [72] HU, GUOPING, CN  
 [72] LIU, ZHUOWEI, CN  
 [72] LI, JIAN, CN  
 [72] LONG, CHAOFENG, CN  
 [72] CHEN, SHUHUI, CN  
 [71] GUANGDONG RAYNOVENT BIOTECH CO., LTD., CN  
 [85] 2023-10-19  
 [86] 2022-05-30 (PCT/CN2022/095859)  
 [87] (WO2022/247950)  
 [30] CN (202110594662.6) 2021-05-28  
 [30] CN (202110814116.9) 2021-07-19  
 [30] CN (202210138835.8) 2022-02-15  
 [30] CN (202210552077.4) 2022-05-18

[21] **3,216,098**

[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01) C07K 16/32 (2006.01)  
 [25] EN  
 [54] DUPLEXBODIES  
 [54] CORPS DUPLEX  
 [72] REUSCH, UWE, DE  
 [72] KOCH, JOACHIM, DE  
 [71] AFFIMED GMBH, DE  
 [85] 2023-10-19  
 [86] 2022-08-01 (PCT/EP2022/071490)  
 [87] (WO2023/007023)  
 [30] EP (21188905.0) 2021-07-30

[21] **3,216,099**

[13] A1

- [51] Int.Cl. H01M 10/653 (2014.01)  
 [25] EN  
 [54] ALUMINUM-CHALCOGEN BATTERIES WITH ALKALI HALIDE MOLTEN SALT ELECTROLYTES  
 [54] BATTERIES ALUMINIUM-CHALCOGENE AVEC ELECTROLYTES DE SEL FONDU D'HALOGENURE ALCALIN  
 [72] SADOWAY, DONALD R., US  
 [72] PANG, QUANQUAN, US  
 [72] MENG, JIASHEN, US  
 [72] ZHAO, JI, US  
 [71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US  
 [85] 2023-10-19  
 [86] 2022-03-11 (PCT/US2022/019928)  
 [87] (WO2022/225621)  
 [30] US (17/237,943) 2021-04-22

[21] **3,216,101**

[13] A1

- [51] Int.Cl. C07C 41/42 (2006.01) C07C 41/58 (2006.01)  
 [25] EN  
 [54] PROCESS FOR THE SEPARATION OF A PRODUCT MIXTURE  
 [54] PROCESSUS DE SEPARATION D'UN MELANGE DE PRODUITS  
 [72] BOON, JURRIAAN, NL  
 [72] DIKIC, VLADIMIR, NL  
 [72] SARIC, MARIJA, NL  
 [71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL  
 [85] 2023-10-19  
 [86] 2022-04-22 (PCT/EP2022/060736)  
 [87] (WO2022/223801)  
 [30] EP (21169963.2) 2021-04-22

[21] **3,216,102**

[13] A1

- [25] EN  
 [54] NOVEL OMNI 117, 140, 150-158, 160-165, 167-177, 180-188, 191-198, 200, 201, 203, 205-209, 211-217, 219, 220, 222, 223, 226, 227, 229, 231-236, 238-245, 247, 250, 254, 256, 257, 260 AND 262 CRISPR NUCLEASES  
 [54] NOUVELLES NUCLEASES CRISPR OMNI 117, 140, 150-158, 160-165, 167-177, 180-188, 191-198, 200, 201, 203, 205-209, 211-217, 219, 220, 222, 223, 226, 227, 229, 231-236, 238-245, 247, 250, 254, 256, 257, 260 ET 26  
 [72] IZHAR, LIOR, IL  
 [72] MARBACH BAR, NADAV, IL  
 [72] ROCKAH, LIAT, IL  
 [72] MERON, NURIT, IL  
 [72] ADIV TAL, OPHIR, IL  
 [72] GISPLAN, ARIEL, IL  
 [72] BUCH, IDIT, IL  
 [71] EMENDOBIO INC., US  
 [85] 2023-10-19  
 [86] 2022-04-21 (PCT/US2022/025803)  
 [87] (WO2022/226215)  
 [30] US (63/178,364) 2021-04-22  
 [30] US (63/211,123) 2021-06-16

[21] **3,216,104**

[13] A1

- [25] EN  
 [54] TREATMENT OF CANCER WITH A RAF INHIBITOR  
 [54] TRAITEMENT DU CANCER AVEC UN INHIBITEUR DE RAF  
 [72] FRANOVIC, ALEKSANDRA, US  
 [72] MARTIN, ERIC, US  
 [72] MILLER, NICHOL L. G., US  
 [72] MURPHY, ERIC, US  
 [72] WILLIAMS, RICHARD THOMAS, US  
 [72] KOBAYASHI, KEN, US  
 [71] KINNATE BIOPHARMA INC., US  
 [85] 2023-10-19  
 [86] 2022-04-22 (PCT/US2022/025875)  
 [87] (WO2022/226261)  
 [30] US (63/178,922) 2021-04-23

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**[21] 3,216,108**  
[13] A1

- [51] Int.Cl. C12M 1/00 (2006.01) C12M 1/12 (2006.01) C12M 3/00 (2006.01)
  - [25] EN
  - [54] CONTAINER AND SYSTEM FOR CULTURING PHOTOTROPHIC MICROORGANISMS
  - [54] RECIPIENT ET SYSTEME DE CULTURE DE MICRO-ORGANISMES PHOTOTROPHES
  - [72] BUSCH-LARSEN, HENRIK, DK
  - [72] NORSKER, NIELS-HENRIK, DK
  - [72] LARSEN, ROBERT EMIL, DK
  - [71] ALGIECEL APS, DK
  - [85] 2023-10-19
  - [86] 2022-04-20 (PCT/EP2022/060426)
  - [87] (WO2022/223623)
  - [30] DK (PA 2021 00394) 2021-04-20
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**[21] 3,216,109**  
[13] A1

- [51] Int.Cl. B42D 25/324 (2014.01) B42D 25/328 (2014.01)
  - [25] EN
  - [54] OPTICALLY VARIABLE REPRESENTATION ELEMENT
  - [54] ELEMENT DE REPRESENTATION OPTIQUEMENT VARIABLE
  - [72] FUHSE, CHRISTIAN, DE
  - [72] STOCKL, CHRISTIAN, DE
  - [72] HOFER, MORITZ, DE
  - [72] BLAZEK, MATTHIAS, DE
  - [72] RAHM, MICHAEL, DE
  - [71] GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH, DE
  - [85] 2023-10-19
  - [86] 2022-05-17 (PCT/EP2022/025231)
  - [87] (WO2022/242912)
  - [30] DE (10 2021 002 599.7) 2021-05-18
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**[21] 3,216,112**  
[13] A1

- [25] EN
  - [54] ATTACHMENT APPARATUSES
  - [54] APPAREILS DE FIXATION
  - [72] TANG, HUNG CHEONG, CN
  - [71] TANG, HUNG CHEONG, CN
  - [85] 2023-10-19
  - [86] 2022-04-25 (PCT/IB2022/053809)
  - [87] (WO2022/224229)
  - [30] HK (32021029831.3) 2021-04-23
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**[21] 3,216,113**  
[13] A1

- [51] Int.Cl. H01M 12/06 (2006.01) H01G 11/08 (2013.01) H01G 11/30 (2013.01) H01G 11/64 (2013.01) H01M 6/12 (2006.01)
  - [25] EN
  - [54] AIR ELECTRODE HAVING HYDROGEN PEROXIDE-CONTAINING ELECTRIC DOUBLE LAYER, AND METAL-AIR BATTERY USING SAME
  - [54] ELECTRODE A AIR PRESENTANT UNE DOUBLE COUCHE ELECTRIQUE CONTENANT DU PEROXYDE D'HYDROGÈNE, ET BATTERIE METAL-AIR L'UTILISANT
  - [72] SASO, MITSUHIRO, JP
  - [71] CROSS TECHNOLOGY LABO CO., LTD., JP
  - [71] SASO, MITSUHIRO, JP
  - [85] 2023-10-19
  - [86] 2022-04-25 (PCT/JP2022/018775)
  - [87] (WO2022/225066)
  - [30] JP (2021-073490) 2021-04-23
  - [30] JP (2021-073534) 2021-04-23
  - [30] JP (2021-073535) 2021-04-23
  - [30] JP (2021-142106) 2021-09-01
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**[21] 3,216,115**  
[13] A1

- [25] EN
  - [54] NEEDLE COVER FOR MEDICAL INJECTION DEVICE
  - [54] COUVERCLE D'AIGUILLE POUR DISPOSITIF D'INJECTION MEDICAL
  - [72] ZUCCHELLI, JEREMY, FR
  - [72] RIVIER, CEDRIC, FR
  - [71] BECTON DICKINSON FRANCE, FR
  - [85] 2023-10-19
  - [86] 2022-04-14 (PCT/EP2022/060107)
  - [87] (WO2022/223462)
  - [30] EP (21305525.4) 2021-04-21
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**[21] 3,216,118**  
[13] A1

- [25] EN
  - [54] NEEDLE COVER FOR MEDICAL INJECTION DEVICE
  - [54] COUVERCLE D'AIGUILLE POUR DISPOSITIF D'INJECTION MEDICAL
  - [72] ZUCCHELLI, JEREMY, FR
  - [72] ZUCCHELLI, JEREMY, FR
  - [72] RIVIER, CEDRIC, FR
  - [71] BECTON, DICKINSON FRANCE, S.A., FR
  - [85] 2023-10-19
  - [86] 2022-04-14 (PCT/EP2022/060106)
  - [87] (WO2022/223461)
  - [30] EP (21305525.4) 2021-04-21
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**[21] 3,216,120**  
[13] A1

- [51] Int.Cl. F16L 11/127 (2006.01)
- [25] EN
- [54] HEATER HOSE WITH MULTI-VOLTAGE FUNCTIONALITY AND CONSTANT POWER OUTPUT
- [54] tuyau chauffant dote d'une fonctionnalite a plusieurs tensions et d'une sortie a puissance constante
- [72] GUPTA, SAHIL, US
- [72] LININGER, TOM, US
- [72] PRUCHNIK, COREY, US
- [72] COLLIER, ISAAC J., US
- [71] PARKER-HANNIFIN CORPORATION, US
- [85] 2023-10-19
- [86] 2022-04-12 (PCT/US2022/024338)
- [87] (WO2022/256083)
- [30] US (63/196,245) 2021-06-03
- [30] US (63/243,971) 2021-09-14

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**[21] 3,216,121**

[13] A1

- [51] Int.Cl. A61K 35/28 (2015.01) A61K 31/573 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)
  - [25] EN
  - [54] **METHOD FOR TREATING ACUTE RESPIRATORY DISTRESS SYNDROME (ARDS) USING MESENCHYMAL LINEAGE PRECURSOR OR STEM CELLS**
  - [54] **PROCEDE DE TRAITEMENT DU SYNDROME DE DETRESSE RESPIRATOIRE AIGUE (SDRA) A L'AIDE DE CELLULES SOUCHES OU PRECURSEURS DE LA LIGNEE MESENCHYMATEUSE**
  - [72] ITESCU, SILVIU, AU
  - [71] MESOBLAST INTERNATIONAL SARL, CH
  - [85] 2023-10-19
  - [86] 2022-04-22 (PCT/IB2022/053763)
  - [87] (WO2022/224207)
  - [30] AU (2021901214) 2021-04-23
  - [30] AU (2021902180) 2021-07-15
  - [30] AU (2022900260) 2022-02-09
  - [30] AU (2022900372) 2022-02-18
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**[21] 3,216,122**

[13] A1

- [51] Int.Cl. G06F 40/30 (2020.01) G06F 40/35 (2020.01)
- [25] EN
- [54] **DEVICES, SYSTEMS, AND METHODS FOR INTELLIGENT DETERMINATION OF CONVERSATIONAL INTENT**
- [54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE DETERMINATION INTELLIGENTE D'INTENTION CONVERSATIONNELLE**
- [72] GRAMMER, SKYLER, US
- [72] MORGAN, DYLAN, US
- [72] GORDON, PAUL, US
- [72] VANCIU, CHRIS, US
- [72] SMAAGARD, KYLE, US
- [72] MATSUI, MATT, US
- [72] CHAPLIN, BORIS, US
- [71] CALABRIO, INC., US
- [85] 2023-10-19
- [86] 2022-04-19 (PCT/US2022/025431)
- [87] (WO2022/225991)
- [30] US (63/176,766) 2021-04-19

**[21] 3,216,124**

[13] A1

- [51] Int.Cl. B27N 3/02 (2006.01)
  - [25] EN
  - [54] **WOODEN BOARD**
  - [54]
  - [72] YASUI, SHINPEI, JP
  - [72] FUKAYA, TSUYOSHI, JP
  - [72] OSHIMA, KATSUHITO, JP
  - [71] DAIKEN CORPORATION, JP
  - [85] 2023-10-19
  - [86] 2023-04-20 (PCT/JP2023/015735)
  - [87] (3216124)
  - [30] JP (2022-074054) 2022-04-28
  - [30] JP (2022-074055) 2022-04-28
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**[21] 3,216,126**

[13] A1

- [51] Int.Cl. H01M 4/13 (2010.01) H01M 4/131 (2010.01) H01M 10/0525 (2010.01)
- [25] EN
- [54] **SLURRY COMPOSITIONS INCLUDING POLYMERS HAVING SILICON-CONTAINING FUNCTIONAL GROUPS FOR LITHIUM ION ELECTRICAL STORAGE DEVICES**
- [54] **COMPOSITIONS DE SUSPENSION EPAISSE COMPRENANT DES POLYMERES AYANT DES GROUPES FONCTIONNELS CONTENANT DU SILICIUM POUR DISPOSITIFS DE STOCKAGE ELECTRIQUE AU LITHIUM-ION**
- [72] ZHANG, NA, US
- [72] ZHENG, QI, US
- [72] MORGAN, BRYANN ASHLEIGH, US
- [72] ESAREY, SAMUEL LOGAN, US
- [71] PPG INDUSTRIES OHIO, INC., US
- [85] 2023-10-19
- [86] 2022-03-11 (PCT/US2022/019935)
- [87] (WO2022/240474)
- [30] US (63/187,605) 2021-05-12

**[21] 3,216,127**

[13] A1

- [51] Int.Cl. C07D 487/04 (2006.01)
  - [25] EN
  - [54] **SGC STIMULATORS**
  - [54] **STIMULATEURS DE SGC**
  - [72] JIA, LEI, US
  - [72] MERMERIAN, ARA, US
  - [72] BARDET, TIMOTHY CLAUDE, US
  - [72] LEE, THOMAS WAI-HO, US
  - [72] IYER, KARTHIK, US
  - [72] RENNIE, GLEN ROBERT, US
  - [72] IYENGAR, RAJESH R., US
  - [72] JUNG, JOON, US
  - [72] RENHOWE, PAUL ALLAN, US
  - [71] TISENTO THERAPEUTICS, INC., US
  - [85] 2023-10-19
  - [86] 2022-04-19 (PCT/US2022/025310)
  - [87] (WO2022/225903)
  - [30] US (63/177,020) 2021-04-20
  - [30] US (63/229,248) 2021-08-04
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**[21] 3,216,129**

[13] A1

- [51] Int.Cl. A61K 35/28 (2015.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)
- [25] EN
- [54] **METHOD FOR TREATING ACUTE RESPIRATORY DISTRESS SYNDROME (ARDS) IN SPECIFIC PATIENTS USING MESENCHYMAL LINEAGE PRECURSOR OR STEM CELLS**
- [54] **PROCEDE DE TRAITEMENT DU SYNDROME DE DETRESSE RESPIRATOIRE AIGUE (SDRA) CHEZ DES PATIENTS SPECIFIQUES A L'AIDE DE CELLULES SOUCHES OU PRECURSEURS DE LA LIGNEE MESENCHYMATEUSE**
- [72] ITESCU, SILVIU, AU
- [71] MESOBLAST INTERNATIONAL SARL, CH
- [85] 2023-10-19
- [86] 2022-04-22 (PCT/IB2022/053762)
- [87] (WO2022/224206)
- [30] AU (2021901214) 2021-04-23
- [30] AU (2021902180) 2021-07-15
- [30] AU (2022900260) 2022-02-09
- [30] AU (2022900372) 2022-02-18

## Demandes PCT entrant en phase nationale

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[21] 3,216,130  
[13] A1

[25] FR  
**[54] DEVICE FOR STORING AND SUPPLYING CRYOGENIC FLUID, VEHICLE AND CORRESPONDING METHOD**  
**[54] DISPOSITIF DE STOCKAGE ET DE FOURNITURE DE FLUIDE CRYOGENIQUE, VEHICULE ET PROCEDE CORRESPONDANT**  
[72] ALLIDIERES, LAURENT, FR  
[72] CRISPEL, SIMON, FR  
[72] FAYER, THOMAS, FR  
[72] GIRARD, CLAIRE, FR  
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR  
[85] 2023-10-19  
[86] 2022-03-31 (PCT/EP2022/058637)  
[87] (WO2022/233507)  
[30] FR (FR2104614) 2021-05-03

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[21] 3,216,132  
[13] A1

[51] Int.Cl. A61K 35/74 (2015.01) A61K 35/744 (2015.01) A61K 35/747 (2015.01) A61K 35/66 (2015.01) A61P 1/04 (2006.01)  
[25] EN  
**[54] MICROBIAL CONSORTIUM AND USES THEREOF**  
**[54] CONSORTIUM MICROBIEN ET SES UTILISATIONS**  
[72] KRUGER BEN SHABAT, SHEERLI, IL  
[72] RINGEL, YEHUDA, IL  
[72] MESHNER, SHIRI, IL  
[72] HABER, ELRAN, IL  
[72] ESHAR, SHIRI, IL  
[72] TIROSH, OSNAT, IL  
[72] POLONSKI, OMRI, IL  
[71] BIOMICA LTD., IL  
[85] 2023-10-19  
[86] 2022-05-12 (PCT/IL2022/050503)  
[87] (WO2022/239012)  
[30] IL (283124) 2021-05-12

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[21] 3,216,134  
[13] A1

[51] Int.Cl. C07C 29/151 (2006.01) C01B 3/34 (2006.01) C07C 31/04 (2006.01)  
[25] EN  
**[54] PROCESS AND PLANT FOR PRODUCING METHANOL FROM SUBSTOICHIOMETRIC SYNTHESIS GAS**  
**[54] PROCEDE ET INSTALLATION POUR PRODUIRE DU METHANOL A PARTIR D'UN GAZ DE SYNTHESE SOUS-ST?CHIOMETRIQUE**  
[72] GRONEMANN, VERONIKA, DE  
[72] WILKEN, MICHAEL, DE  
[72] OELMANN, TOBIAS, DE  
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR  
[85] 2023-10-19  
[86] 2022-04-26 (PCT/EP2022/060999)  
[87] (WO2022/229151)  
[30] EP (21020241.2) 2021-04-30

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[21] 3,216,131  
[13] A1

[25] EN  
**[54] CANINE MONOClonAL ANTIBODIES AGAINST CANINE CYTOTOXIC T LYMPHOCYTE ASSOCIATED PROTEIN 4 (CTLA-4)**  
**[54] ANTICORPS MONOCLONAUX CANINS CONTRE LA PROTEINE 4 ASSOCIEE AUX LYMPHOCYTES T CYTOTOXIQUES (CTLA-4) CANINE**  
[72] MASON, NICOLA J., US  
[72] SIEGEL, DONALD L., US  
[72] CHESTER, NICHOLAS, US  
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US  
[71] VETIGENICS LLC, US  
[85] 2023-10-19  
[86] 2022-04-20 (PCT/US2022/025614)  
[87] (WO2022/226102)  
[30] US (63/177,692) 2021-04-21

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[21] 3,216,133  
[13] A1

[51] Int.Cl. G06N 10/40 (2022.01)  
[25] EN  
**[54] JOSEPHSON PARAMETRIC DEVICES HAVING SAME-FREQUENCY PORTS**  
**[54] DISPOSITIFS PARAMETRIQUES JOSEPHSON AYANT DES PORTS DE MEME FREQUENCE**  
[72] NAAMAN, OFER, US  
[71] GOOGLE LLC, US  
[85] 2023-10-19  
[86] 2022-04-12 (PCT/US2022/024424)  
[87] (WO2022/225751)  
[30] US (63/177,174) 2021-04-20

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[21] 3,216,135  
[13] A1

[25] FR  
**[54] DEVICE FOR STORING AND SUPPLYING CRYOGENIC FLUID, VEHICLE AND CORRESPONDING METHOD**  
**[54] DISPOSITIF DE STOCKAGE ET DE FOURNITURE DE FLUIDE CRYOGENIQUE, VEHICULE ET PROCEDE CORRESPONDANT**  
[72] ALLIDIERES, LAURENT, FR  
[72] CRISPEL, SIMON, FR  
[72] FAYER, THOMAS, FR  
[72] GIRARD, CLAIRE, FR  
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR  
[85] 2023-10-19  
[86] 2022-03-31 (PCT/EP2022/058638)  
[87] (WO2022/233508)  
[30] FR (FR2104614) 2021-05-03

## PCT Applications Entering the National Phase

<p style="text-align: right;">[21] 3,216,136 [13] A1</p> <p>[51] Int.Cl. A61K 35/742 (2015.01) A61K 35/744 (2015.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS FOR PRESERVING ANAEROBIC MICROORGANISMS AND METHODS OF MAKING AND USING THE SAME</p> <p>[54] COMPOSITIONS POUR LA CONSERVATION DE MICRO-ORGANISMES ANAEROBIES ET LEURS METHODES DE PRODUCTION ET D'UTILISATION</p> <p>[72] COWLEY, AARON BLAKE, US</p> <p>[71] ARRANTA BIO HOLDINGS, LLC, US</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-29 (PCT/US2022/027058)</p> <p>[87] (WO2022/232594)</p> <p>[30] US (63/182,578) 2021-04-30</p>	<p style="text-align: right;">[21] 3,216,139 [13] A1</p> <p>[25] EN</p> <p>[54] USE OF APOPTOSIS INHIBITORS FOR COLD STORAGE OF BLOOD PLATELETS</p> <p>[54] UTILISATION D'INHIBITEURS D'APOPTOSE POUR LE STOCKAGE A FROID DE PLAQUETTES SANGUINES</p> <p>[72] BAKCHOUL, TAMAM, DE</p> <p>[72] SEIFRIED, ERHARD, DE</p> <p>[72] MARINI, IRENE, DE</p> <p>[71] DRK-BLUTSPENDEDIENST BADEN-WURTTEMBERG-HESSEN GGMBH, DE</p> <p>[71] ZENTRUM FUR KLINISCHE TRANSFUSIONSMEDIZIN TUBINGEN GGMBH (ZKT), DE</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-22 (PCT/EP2022/060763)</p> <p>[87] (WO2022/223815)</p> <p>[30] EP (21169953.3) 2021-04-22</p>	<p style="text-align: right;">[21] 3,216,141 [13] A1</p> <p>[51] Int.Cl. B07C 5/34 (2006.01) G01N 21/27 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR PROCESSING ELECTRICAL AND ELECTRONIC COMPONENT SCRAPS AND APPARATUS FOR PROCESSING ELECTRICAL AND ELECTRONIC COMPONENT SCRAPS</p> <p>[54]</p> <p>[72] AOKI, KATSUSHI, JP</p> <p>[72] KAWANO, HIROSHI, JP</p> <p>[71] JX METALS CORPORATION, JP</p> <p>[85] 2023-10-19</p> <p>[86] 2021-11-24 (PCT/JP2021/043016)</p> <p>[87] (WO2022/224478)</p> <p>[30] JP (2021-072130) 2021-04-21</p>
<p style="text-align: right;">[21] 3,216,137 [13] A1</p> <p>[51] Int.Cl. A61P 7/04 (2006.01) A61P 9/10 (2006.01)</p> <p>[25] EN</p> <p>[54] PHARMACEUTICAL COMPOSITION FOR USE IN TREATING CEREBRAL INFARCTION</p> <p>[54] COMPOSITION PHARMACEUTIQUE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT DE L'INFARCTUS CEREBRAL</p> <p>[72] NISHIMURA, NAOKO, US</p> <p>[72] HASUMI, KEIJI, US</p> <p>[72] HONDA, KAZUO, US</p> <p>[71] BIOGEN MA INC., US</p> <p>[85] 2023-10-19</p> <p>[86] 2022-05-10 (PCT/US2022/028488)</p> <p>[87] (WO2022/240810)</p> <p>[30] JP (2021-079820) 2021-05-10</p>	<p style="text-align: right;">[21] 3,216,140 [13] A1</p> <p>[51] Int.Cl. B22D 11/118 (2006.01) B22D 11/119 (2006.01) B22D 41/08 (2006.01)</p> <p>[25] EN</p> <p>[54] TUNDISH WITH FILTER MODULE</p> <p>[54] PANIER DE COULEE DOTE DE MODULE DE FILTRE</p> <p>[72] RICHAUD, JOHAN, FR</p> <p>[72] KREIERHOFF, MARTIN, DE</p> <p>[72] ROGLER, JOHN, CA</p> <p>[72] CHAKRABORTY, ABHISHEK, KR</p> <p>[71] VESUVIUS U S A CORPORATION, US</p> <p>[85] 2023-10-19</p> <p>[86] 2022-05-06 (PCT/EP2022/062319)</p> <p>[87] (WO2022/234109)</p> <p>[30] EP (21172786.2) 2021-05-07</p>	<p style="text-align: right;">[21] 3,216,142 [13] A1</p> <p>[51] Int.Cl. A61L 2/14 (2006.01) G02B 1/18 (2015.01) A61B 90/70 (2016.01) H04W 76/11 (2018.01) H04L 67/12 (2022.01) A61B 1/253 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR PROVIDING PLASMA TREATMENTS TO OPTICAL SURFACES</p> <p>[54] PROCEDES ET SYSTEMES POUR FOURNIR DES TRAITEMENTS PAR PLASMA A DES SURFACES OPTIQUES</p> <p>[72] WOLFSON, SHUKI, IL</p> <p>[72] PERLE, AMIR, IL</p> <p>[72] SAGIV, ADAM, IL</p> <p>[72] LAM, AMNON, IL</p> <p>[71] PLASMATICA LTD., IL</p> <p>[71] SAGIV, ADAM, IL</p> <p>[71] LAM, AMNON, IL</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-22 (PCT/IB2022/000240)</p> <p>[87] (WO2022/224040)</p> <p>[30] US (63/178,024) 2021-04-22</p> <p>[30] IL (288770) 2021-12-08</p>

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[21] 3,216,143  
[13] A1

[25] EN  
**[54] HYBRID DIGITAL AND ANALOG DATA STORAGE**  
**[54] STOCKAGE DE DONNEES HYBRIDES NUMERIQUES ET ANALOGIQUES**  
[72] KUNZE, MARTIN, AT  
[72] PFLAUM, CHRISTIAN, DE  
[71] CERAMIC DATA SOLUTIONS GMBH, AT  
[85] 2023-10-19  
[86] 2021-04-29 (PCT/EP2021/061220)  
[87] (WO2022/228675)

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[21] 3,216,144  
[13] A1

[51] Int.Cl. E03D 5/014 (2006.01) B01D 33/11 (2006.01) B01D 33/46 (2006.01) E03D 5/016 (2006.01)  
[25] EN  
**[54] INSTALLATION FOR TREATING WASTEWATER FROM A TOILET AND SANITARY UNIT COMPRISING SUCH AN INSTALLATION**  
**[54] INSTALLATION DE TRAITEMENT DES EAUX USEES D'UN WC ET ENSEMBLE SANITAIRE COMPORTEANT UNE TELLE INSTALLATION**  
[72] COTTET, ANTOINE, CH  
[72] CAVALCANTI, JONATHAN, CH  
[72] DE MATOS, CHRISTOPHE, CH  
[71] MIZUFALLS SA, CH  
[85] 2023-10-19  
[86] 2022-04-26 (PCT/IB2022/053839)  
[87] (WO2022/229826)  
[30] CH (00453/21) 2021-04-27  
[30] FR (FR2104381) 2021-04-27

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[21] 3,216,145  
[13] A1

[51] Int.Cl. A23L 33/105 (2016.01) A23L 29/10 (2016.01) A23P 10/30 (2016.01) C12G 3/055 (2019.01) A23D 7/04 (2006.01) A61K 31/05 (2006.01) A61K 47/10 (2017.01) C07C 39/19 (2006.01) C07C 39/23 (2006.01) C07D 311/80 (2006.01) C12G 3/04 (2019.01)  
[25] EN  
**[54] WATER-SOLUBLE CANNABIS CANNABINOID SYSTEMS FOR INFUSING PRODUCTS WITH NANOEMULSIONS HAVING NANOSCALE SIZES**  
**[54] SYSTEMES CANNABINOÏDES A BASE DE CANNABIS HYDROSOLUBLES POUR INFUSER DES PRODUITS AVEC DES NANOEMULSIONS A TAILLES NANOMETRIQUES**  
[72] SAVARD, JAMIE, CA  
[71] HEXO OPERATIONS INC., CA  
[85] 2023-10-19  
[86] 2022-04-26 (PCT/CA2022/050634)  
[87] (WO2022/226639)  
[30] US (63/179,988) 2021-04-26

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[21] 3,216,146  
[13] A1

[51] Int.Cl. C07K 14/47 (2006.01)  
[25] EN  
**[54] GENOME EDITING BY DIRECTED NON-HOMOLOGOUS DNA INSERTION USING A RETROVIRAL INTEGRASE-CAS FUSION PROTEIN AND METHODS OF TREATMENT**  
**[54] EDITION GENOMIQUE PAR INSERTION D'ADN NON HOMOLOGUE DIRIGEE A L'AIDE D'UNE PROTEINE DE FUSION CAS-INTEGRASE RETROVIRALE ET METHODES DE TRAITEMENT**  
[72] ANDERSON, DOUGLAS, US  
[71] UNIVERSITY OF ROCHESTER, US  
[85] 2023-10-19  
[86] 2022-04-22 (PCT/US2022/025927)  
[87] (WO2022/226296)  
[30] US (63/178,862) 2021-04-23

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[21] 3,216,147  
[13] A1

[51] Int.Cl. G06Q 20/20 (2012.01) G06Q 30/02 (2023.01) G06Q 50/06 (2012.01)  
[25] EN  
**[54] METHODS AND SYSTEMS FOR INTELLIGENT ELECTRONIC INVENTORY MANAGEMENT**  
**[54] PROCEDES ET SYSTEMES DE GESTION ELECTRONIQUE INTELLIGENTE DE STOCKS**  
[72] HAIRSTON, HOB, US  
[71] WAYNE FUELING SYSTEMS LLC, US  
[85] 2023-10-19  
[86] 2022-04-26 (PCT/US2022/071921)  
[87] (WO2022/232779)  
[30] US (63/180,611) 2021-04-27  
[30] US (63/251,965) 2021-10-04

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[21] 3,216,148  
[13] A1

[51] Int.Cl. G01M 17/08 (2006.01)  
[25] EN  
**[54] DETECTION SYSTEM FOR SUSPENSION SYSTEM OF MAGLEV TRAIN**  
**[54] SYSTEME DE DETECTION POUR SYSTEME DE SUSPENSION DE TRAIN A SUSTENTATION MAGNETIQUE**  
[72] WU, DONGHUA, CN  
[72] MIAO, XIN, CN  
[72] LI, YANMIN, CN  
[72] JIANG, SHOULIANG, CN  
[72] CHEN, JIAN, CN  
[72] HAN, JIYU, CN  
[71] CRRC QINGDAO SIFANG CO., LTD., CN  
[85] 2023-10-19  
[86] 2022-04-27 (PCT/CN2022/089500)  
[87] (WO2022/228453)  
[30] CN (202110486046.9) 2021-04-30

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[21] 3,216,149  
[13] A1

[51] Int.Cl. A61B 3/04 (2006.01)  
[25] FR  
**[54] METHOD FOR FITTING VIRTUAL GLASSES**  
**[54] PROCEDE D'ESSAYAGE DE LUNETTES VIRTUELLES**  
[72] GRILLON, BENOIT, FR  
[72] SAYAG, JEAN-PHILIPPE, FR  
[71] ACEP FRANCE, FR  
[85] 2023-10-19  
[86] 2022-06-17 (PCT/EP2022/066607)  
[87] (WO2022/263654)  
[30] FR (FR2106482) 2021-06-18

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[21] 3,216,150

[13] A1

[51] Int.Cl. A61B 3/04 (2006.01)

[25] FR

[54] METHOD FOR SIMULATING OPTICAL PRODUCTS

[54] PROCEDE DE SIMULATION DE PRODUITS OPTIQUES

[72] SAYAG, JEAN-PHILIPPE, FR

[71] ACEP FRANCE, FR

[85] 2023-10-19

[86] 2022-06-17 (PCT/EP2022/066604)

[87] (WO2022/263652)

[30] FR (FR2106475) 2021-06-18

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[21] 3,216,152

[13] A1

[51] Int.Cl. A01G 25/09 (2006.01)

[25] EN

[54] MULTI-CORNER IRRIGATION SYSTEM HAVING MULTIPLE STEERABLE POINTS WITHIN MOBILE IRRIGATION MACHINE AND METHOD FOR IMPLEMENTING THE SAME

[54] SYSTEME D'IRRIGATION A COINS MULTIPLES AYANT DE MULTIPLES POINTS ORIENTABLES A L'INTERIEUR D'UNE MACHINE D'IRRIGATION MOBILE ET SON PROCEDE DE MISE EN ?UVRE

[72] KASTL, JOHN, US

[71] VALMONT INDUSTRIES, INC., US

[85] 2023-10-19

[86] 2022-04-08 (PCT/US2022/023942)

[87] (WO2022/235376)

[30] US (63/183,157) 2021-05-03

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[21] 3,216,153

[13] A1

[51] Int.Cl. G01N 33/493 (2006.01)

[25] EN

[54] BODILY FLUID MANAGEMENT SYSTEM

[54] SYSTEME DE CONTROLE DE LIQUIDE CORPOREL

[72] AREVALOS, CHRISTOPHER ALEX, US

[72] KALIKOFF, SYLVIE, US

[72] MCKENNEY, HANNAH, US

[72] HENDRICKS, III, WILLIAM ANDREW, US

[72] THAI, PATRICIA, US

[72] SHETH, KUNJ, US

[71] STARLING MEDICAL, INC., US

[85] 2023-10-19

[86] 2022-04-19 (PCT/US2022/025421)

[87] (WO2022/225982)

[30] US (63/176,674) 2021-04-19

[30] US (63/323,203) 2022-03-24

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[21] 3,216,154

[13] A1

[51] Int.Cl. G16H 10/20 (2018.01) G16H 10/60 (2018.01) G16H 20/10 (2018.01)

G16H 40/20 (2018.01) G16H 40/63

(2018.01) G16H 40/67 (2018.01) G16H 50/20 (2018.01) A61B 5/316 (2021.01)

[25] EN

[54] MANAGEMENT OF INFORMATION FROM ACTIVE IMPLANTABLE MEDICAL DEVICE

[54] GESTION D'INFORMATIONS PROVENANT D'UN DISPOSITIF MEDICAL IMPLANTABLE ACTIF

[72] GENTILS, MARIKA, FR

[72] DANOUN, KAISSA, FR

[72] KLAES, STEFAN, FR

[72] PERLMUTTER, DAVID, FR

[72] ROSIER, ARNAUD, FR

[72] DURAND, JULIEN, FR

[71] IMPLICITY, FR

[85] 2023-10-19

[86] 2022-05-11 (PCT/EP2022/062848)

[87] (WO2022/238512)

[30] EP (21305613.8) 2021-05-11

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[21] 3,216,155

[13] A1

[51] Int.Cl. G06Q 50/04 (2012.01)

[25] FR

[54] SYSTEM FOR SUPERVISION OF THE OPERATION AND MAINTENANCE OF INDUSTRIAL EQUIPMENT

[54] SYSTEME DE SUPERVISION DE L'EXPLOITATION ET DE LA MAINTENANCE

D'EQUIPEMENTS INDUSTRIELS

[72] RAVIGNON, FABRICE, FR

[71] SEADVANCE, FR

[85] 2023-10-19

[86] 2022-04-26 (PCT/EP2022/060969)

[87] (WO2022/229135)

[30] FR (FR2104418) 2021-04-28

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[21] 3,216,156

[13] A1

[25] EN

[54] ENZYME COMPOSITION WITH AT LEAST TWO DIFFERENT THERMOSTABLE POLYPEPTIDES HAVING TYPE II DNA METHYLTRANSFERASE ACTIVITY

[54] COMPOSITION ENZYMATIQUE COMPRENANT AU MOINS DEUX POLYPEPTIDES THERMOSTABLES DIFFERENTS AYANT UNE ACTIVITE DE METHYLTRANSFERASE D'ADN DE TYPE II

[72] ZUREK, CHRISTIAN, DE

[72] HEGER, REBECCA, DE

[72] SWINNEN, STEVEN, DE

[72] KRAMER, MARCO, DE

[72] MAMPEL, JORG, DE

[71] BLUCON BIOTECH GMBH, DE

[85] 2023-10-19

[86] 2022-04-28 (PCT/EP2022/061362)

[87] (WO2022/229330)

[30] EP (PCT/EP2021/061199) 2021-04-28

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<p>[21] <b>3,216,157</b> [13] A1</p> <p>[51] Int.Cl. A47G 33/06 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTRICAL AND MECHANICAL COUPLING SYSTEMS FOR ARTIFICIAL POWERED TREES AND ASSOCIATED METHODS</p> <p>[54] SYSTEMES DE RACCORDEMENT ELECTRIQUE ET MECANIQUE POUR ARBRES ARTIFICIELS ET PROCEDES ASSOCIES</p> <p>[72] LEUNG, CHI YIN ALAN, HK</p> <p>[71] BELGRAVIA WOOD LIMITED,</p> <p>[85] 2023-10-19</p> <p>[86] 2022-05-12 (PCT/US2022/028918)</p> <p>[87] (WO2022/241080)</p> <p>[30] CN (202121011183.9) 2021-05-12</p>
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<p>[21] <b>3,216,160</b> [13] A1</p> <p>[25] EN</p> <p>[54] BIOMARKERS FOR COLORECTAL CANCER</p> <p>[54] BIOMARQUEURS POUR LE CANCER COLORECTAL</p> <p>[72] LOCKETT, TREVOR, AU</p> <p>[72] VOM, EDUARDO, AU</p> <p>[72] LEWIS, CRAIG, AU</p> <p>[72] BUCKLEY, MICHAEL, AU</p> <p>[72] MILLER, LOUISE, AU</p> <p>[72] DAISH, CHRISTIAN, AU</p> <p>[71] VISION TECH BIO PTY LTD, AU</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-20 (PCT/AU2022/050362)</p> <p>[87] (WO2022/221919)</p> <p>[30] AU (2021901164) 2021-04-20</p>
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<p>[21] <b>3,216,162</b> [13] A1</p> <p>[51] Int.Cl. C07D 487/04 (2006.01) C07C 235/04 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF PREPARING CARBANUCLEOSIDES USING AMIDES</p> <p>[54] PROCEDES DE PREPARATION DE CARBANUCLEOSIDES A L'AIDE D'AMIDES</p> <p>[72] JOHNSON, TREVOR C., US</p> <p>[72] KRAFT, MATTHEW, US</p> <p>[72] YOUNG, MARSHALL D., US</p> <p>[71] GILEAD SCIENCES, INC., US</p> <p>[85] 2023-10-04</p> <p>[86] 2022-04-14 (PCT/US2022/024784)</p> <p>[87] (WO2022/221514)</p> <p>[30] US (63/175,724) 2021-04-16</p>
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<p>[21] <b>3,216,158</b> [13] A1</p> <p>[51] Int.Cl. H04L 9/40 (2022.01)</p> <p>[25] EN</p> <p>[54] A DECENTRALIZED IDENTITY WITH USER BIOMETRICS</p> <p>[54] IDENTITE DECENTRALISEE A L'AIDE DE LA BIOMETRIE DE L'UTILISATEUR</p> <p>[72] MANUEL-DEVADOSS, JOHNSON, US</p> <p>[71] ORACLE INTERNATIONAL CORPORATION, US</p> <p>[85] 2023-10-19</p> <p>[86] 2022-06-01 (PCT/US2022/031721)</p> <p>[87] (WO2023/003638)</p> <p>[30] US (17/382,720) 2021-07-22</p>
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<p>[21] <b>3,216,161</b> [13] A1</p> <p>[51] Int.Cl. C07D 495/04 (2006.01)</p> <p>[25] EN</p> <p>[54] IMPROVED PROCESS FOR THE PREPARATION OF 7-(MORPHOLINYL)-2-(N-PIPERAZINYLMETHYLTHIENO 2, 3-C]PYRIDINE DERIVATIVES</p> <p>[54] PROCEDE AMELIORE POUR LA PREPARATION DE DERIVES DE 7-(MORPHOLINYL)-2-(N-PIPERAZINYLMETHYLTHIENO 2, 3-C]PYRIDINE</p> <p>[72] KOMPELLA, AMALA, IN</p> <p>[72] VAGICHERLA, KAMESWARA RAO, IN</p> <p>[72] LANKI REDDY, TIRUMALA REDDY, IN</p> <p>[72] PESARU, NARMADA, IN</p> <p>[72] MUDDASANI, PULLA REDDY, IN</p> <p>[72] NANNAPANENI, VENKAIAH CHOWDARY, IN</p> <p>[71] NATCO PHARMA LIMITED, IN</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-15 (PCT/IN2022/050363)</p> <p>[87] (WO2022/224267)</p> <p>[30] IN (202141018380) 2021-04-21</p>
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<p>[21] <b>3,216,159</b> [13] A1</p> <p>[51] Int.Cl. B22D 41/18 (2006.01) F04D 7/06 (2006.01) F27D 3/10 (2006.01)</p> <p>[25] EN</p> <p>[54] SHAFT AND POST ASSEMBLIES FOR MOLTEN METAL APPARATUS</p> <p>[54] ENSEMBLES ARBRE ET MONTANT POUR APPAREIL POUR MATIERE FONDUE</p> <p>[72] HORSFALL, ANDREW, US</p> <p>[72] CULLEN, SEAN, US</p> <p>[72] TIPTON, JON, US</p> <p>[71] PYROTEK, INC., US</p> <p>[85] 2023-10-19</p> <p>[86] 2022-04-25 (PCT/US2022/026169)</p> <p>[87] (WO2022/226404)</p> <p>[30] US (63/179,029) 2021-04-23</p>
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[13] A1

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[25] EN  
[54] CARBOXY-BENZIMIDAZOLE GLP-1R MODULATING COMPOUNDS  
[54] COMPOSES CARBOXY- BENZIMIDAZOLES MODULATEURS DU GLP-1R  
[72] ARMSTRONG, MEGAN K., US  
[72] CASSIDY, JAMES S., US  
[72] CHIN, ELBERT, US  
[72] CHOU, CHIENHUNG, US  
[72] COTTELL, JEROMY J., US  
[72] HUNG, CHAO-I, US  
[72] KOLAHDOUZAN, KAVOOS, US  
[72] LIN, DAVID W., US  
[72] MITCHELL, MICHAEL L., US  
[72] ROBERTS, EZRA, US  
[72] SCHROEDER, SCOTT D., US  
[72] SHAPIRO, NATHAN D., US  
[72] TAYLOR, JAMES G., US  
[72] THOMAS-TRAN, RHIANNON, US  
[72] WRIGHT, NATHAN E., US  
[72] YANG, ZHENG-YU, US  
[71] GILEAD SCIENCES, INC., US  
[85] 2023-10-04  
[86] 2022-04-19 (PCT/US2022/025364)  
[87] (WO2022/225941)  
[30] US (63/177,778) 2021-04-21  
[30] US (63/286,475) 2021-12-06

[21] 3,216,164  
[13] A1

[51] Int.Cl. C12M 1/00 (2006.01)  
[25] EN  
[54] A METHOD AND SYSTEM FOR INTEGRATED AND CONTINUOUS VIRAL FILTRATION, CONCENTRATION AND BUFFER EXCHANGE  
[54] PROCEDE ET SYSTEME INGRES ET CONTINUS DE FILTRATION ET DE CONCENTRATION VIRALES ET D'ECHANGE DE TAMPON  
[72] CAPRON, CHARLES, US  
[72] GODFREY, SCOTT, US  
[72] IKON, NIKITA, US  
[72] KHOURI, JOELLE, US  
[72] OROZCO, RAQUEL, US  
[72] ZHU, MIN, US  
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE  
[85] 2023-10-04  
[86] 2022-05-24 (PCT/US2022/030783)  
[87] (WO2022/251261)  
[30] US (63/192,662) 2021-05-25

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[21] 3,216,165  
[13] A1

[51] Int.Cl. B21B 41/08 (2006.01)  
[25] EN  
[54] CONTACTLESS LOOPER FOR METAL PROCESSING AND RELATED METHODS  
[54] BOUCLEUR SANS CONTACT POUR LE TRAITEMENT DE METAL ET PROCEDES ASSOCIES  
[72] PRALONG, ANTOINE JEAN WILLY, US  
[72] STANISTREET, TIMOTHY F., US  
[72] RAIS, ADOLFO, US  
[72] ALDER, HANSJUERG, US  
[72] XAVIER, RENATO RUFINO, US  
[71] NOVELIS INC., US  
[85] 2023-10-04  
[86] 2022-03-24 (PCT/US2022/071299)  
[87] (WO2022/221807)  
[30] US (63/174,076) 2021-04-13

[21] 3,216,166  
[13] A1

[51] Int.Cl. B65D 6/10 (2006.01) A47J 41/00 (2006.01) B21D 21/00 (2006.01) B65D 6/00 (2006.01) B65D 81/38 (2006.01)  
[25] EN  
[54] PRIMARY BEVERAGE CONTAINER WITH TEMPERATURE CONTROL  
[54] CONTENANT DE BOISSON PRIMAIRE A REGULATION DE TEMPERATURE  
[72] JANOFF, ANNA E., US  
[72] HO, JOHN MIN, US  
[72] WU, CEDRIC, US  
[72] CESTONI, HUNTER, US  
[71] NOVELIS INC., US  
[85] 2023-10-04  
[86] 2022-04-05 (PCT/US2022/071539)  
[87] (WO2022/217216)  
[30] US (63/172,499) 2021-04-08

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[21] 3,216,167  
[13] A1

[51] Int.Cl. A61B 17/28 (2006.01)  
[25] EN  
[54] SURGICAL INSTRUMENTS, GUIDES, AND METHODS OF USE  
[54] INSTRUMENTS CHIRURGICAUX, GUIDES ET PROCEDES D'UTILISATION  
[72] SCHMIDT, MICHAEL, US  
[72] HUNT, RICHARD DAVID, US  
[72] DACOSTA, ALBERT, US  
[72] DOGUE, JOSEPH, US  
[72] JARBOE, MATT, US  
[71] PARAGON 28, INC., US  
[85] 2023-10-04  
[86] 2022-04-08 (PCT/US2022/071638)  
[87] (WO2022/217281)  
[30] US (63/173,043) 2021-04-09  
[30] US (63/262,845) 2021-10-21

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[13] A1

- [51] Int.Cl. G05B 23/02 (2006.01) G01M 13/045 (2019.01)
  - [25] EN
  - [54] PREDICTIVE MAINTENANCE OF INDUSTRIAL EQUIPMENT
  - [54] MAINTENANCE PREDICTIVE D'EQUIPEMENT INDUSTRIEL
  - [72] DEV, BODHAYAN, US
  - [72] KAMBLE, ATISH P., US
  - [72] SWAROOP, PREM, US
  - [72] BASKAR, VIJAY KARTHICK, US
  - [72] BUTEAU, RICHARD, US
  - [72] PATNALA, SREEDHAR, US
  - [72] MOLLER, NICHOLAS, US
  - [71] DELAWARE CAPITAL FORMATION, INC., US
  - [85] 2023-10-05
  - [86] 2022-03-31 (PCT/US2022/022846)
  - [87] (WO2022/216522)
  - [30] US (17/223,525) 2021-04-06
  - [30] US (63/322,055) 2022-03-21
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[13] A1

- [51] Int.Cl. A61B 17/122 (2006.01) A61B 17/128 (2006.01) A61B 17/00 (2006.01) A61B 17/12 (2006.01)
- [25] EN
- [54] MEDICAL DEVICE INCLUDING A HEMOSTATIS CLIP
- [54] DISPOSITIF MEDICAL COMPRENANT UNE PINCE HEMOSTATIQUE
- [72] JAGELSKI, MATTHEW ROBERT, US
- [72] EVERS, RYAN, US
- [72] RYAN, SHAWN, US
- [71] BOSTON SCIENTIFIC SCIMED, INC., US
- [85] 2023-10-05
- [86] 2022-04-07 (PCT/US2022/023929)
- [87] (WO2022/216999)
- [30] US (63/171,748) 2021-04-07

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[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)
  - [25] EN
  - [54] METHODS OF TREATING CANCER WITH ANTI-TIGIT ANTIBODIES
  - [54] METHODES DE TRAITEMENT DU CANCER A L'AIDE D'ANTICORPS ANTI-TIGIT
  - [72] GARDAI, SHYRA, US
  - [72] SMITH, ALYSON, US
  - [71] SEAGEN INC., US
  - [85] 2023-10-05
  - [86] 2022-04-08 (PCT/US2022/023973)
  - [87] (WO2022/217026)
  - [30] US (63/173,216) 2021-04-09
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[13] A1

- [51] Int.Cl. B65G 7/12 (2006.01)
  - [25] EN
  - [54] PORTABLE VACUUM GRIPPER
  - [54] PREHENSEUR A VIDE, PORTATIF
  - [72] NGUYEN, NHON HOA, AU
  - [71] NGUYEN, NHON HOA, AU
  - [85] 2023-10-20
  - [86] 2022-04-20 (PCT/IB2022/053704)
  - [87] (WO2022/224168)
  - [30] US (63/176,890) 2021-04-20
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[13] A1

- [51] Int.Cl. A61K 35/761 (2015.01) C12N 15/113 (2010.01) C07K 14/075 (2006.01) A61K 48/00 (2006.01) C12N 15/00 (2006.01)
- [25] EN
- [54] AAV COMPOSITIONS HAVING HIGH EXPRESSION LEVELS IN BRAIN
- [54] COMPOSITIONS AAV AYANT DES NIVEAUX D'EXPRESSION ELEVES DANS LE CERVEAU
- [72] FLYTZANIS, NICHOLAS C., US
- [72] GOEDEN, NICHOLAS S., US
- [72] SANDBERG, TROY E., US
- [72] WHEELER, BRANDON G., US
- [71] CAPSIDA, INC., US
- [85] 2023-10-05
- [86] 2022-04-13 (PCT/US2022/024603)
- [87] (WO2022/221400)
- [30] US (63/174,434) 2021-04-13

**[21] 3,216,173**  
[13] A1

- [51] Int.Cl. C07K 19/00 (2006.01) A61P 35/00 (2006.01) C12N 15/09 (2006.01) C12N 15/85 (2006.01)
  - [25] EN
  - [54] FUSION PROTEINS AND USES THEREOF
  - [54] PROTEINES DE FUSION ET LEURS UTILISATIONS
  - [72] FAN, XIAOHU, CA
  - [72] WANG, JUN, CN
  - [72] MAO, JIE, CN
  - [72] ZHANG, ERSHAO, CN
  - [72] WEI, QING, CN
  - [72] MA, LIAN, CN
  - [71] LEGEND BIOTECH USA INC., US
  - [85] 2023-10-05
  - [86] 2022-04-15 (PCT/CN2022/087016)
  - [87] (WO2022/218402)
  - [30] CN (PCT/CN2021/087475) 2021-04-15
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[13] A1

- [51] Int.Cl. F01D 5/18 (2006.01)
- [25] EN
- [54] AEROFOIL AND METHOD
- [54] PROFIL AERODYNAMIQUE ET PROCEDE
- [72] DAVIS, ANTHONY, GB
- [72] LAMMING, HEATHER, GB
- [71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
- [85] 2023-10-05
- [86] 2022-03-23 (PCT/EP2022/057694)
- [87] (WO2022/214320)
- [30] GB (2105026.5) 2021-04-08

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[13] A1

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  - [25] EN
  - [54] **DIAGNOSIS AND TREATMENT OF MYELOID DISORDERS AND ACUTE LEUKEMIAS USING NOVEL TUMOR SPECIFIC ANTIGENS**
  - [54] **DIAGNOSTIC ET TRAITEMENT DE TROUBLES MYELOIDES ET DE LEUCEMIES AIGUES A L'AIDE DE NOUVEAUX ANTIGENES SPECIFIQUES DE TUMEURS**
  - [72] PIGAZZI, MARTINA, IT
  - [72] BIFFI, ALESSANDRA, IT
  - [71] ALTHEIA SCIENCE S.R.L., IT
  - [85] 2023-10-05
  - [86] 2022-04-05 (PCT/EP2022/059031)
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  - [25] EN
  - [54] **SMART OCCUPANCY SENSOR**
  - [54] **CAPTEUR D'OCCUPATION INTELLIGENT**
  - [72] MAZUR, CLINTON, US
  - [71] MAZUR, CLINTON, US
  - [85] 2023-09-29
  - [86] 2022-03-31 (PCT/US2022/022704)
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  - [54] **DERIVATIVES OF CANNABIDIOL-C4 FOR THE TREATMENT OF EPILEPSY**
  - [54] **DERIVES DE CANNABIDIOL-C4 POUR LE TRAITEMENT DE L'EPILEPSIE**
  - [72] SILCOCK, ALAN JAMES, GB
  - [72] TSE, KAREN KA-YEN, GB
  - [71] GW RESEARCH LIMITED, GB
  - [85] 2023-10-20
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  - [87] (WO2022/238700)
  - [30] GB (2106788.9) 2021-05-12
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  - [54] **6-HYDROXY-CANNABIDIOL-C4**
  - [72] SILCOCK, ALAN JAMES, GB
  - [72] TSE, KAREN KA-YEN, GB
  - [71] GW RESEARCH LIMITED, GB
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  - [87] (WO2022/238699)
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  - [25] EN
  - [54] **PANOPTIC SEGMENTATION FORECASTING FOR AUGMENTED REALITY**
  - [54] **PREVISION DE SEGMENTATIONS DE PANOPTIQUES POUR REALITE AUGMENTEE**
  - [72] GRABER, COLIN, US
  - [72] TSAI, GRACE SHIN-YEE, US
  - [72] FIRMAN, MICHAEL DAVID, US
  - [72] BROSTOW, GABRIEL J., US
  - [72] SCHWING, ALEXANDER, US
  - [71] NIANTIC, INC., US
  - [85] 2023-10-05
  - [86] 2022-04-06 (PCT/IB2022/053232)
  - [87] (WO2022/215006)
  - [30] US (63/171,575) 2021-04-06
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  - [25] EN
  - [54] **DIALYSER**
  - [54] **DIALYSEUR**
  - [72] GASTAUER, PAUL, DE
  - [72] KUGELMANN, FRANZ, DE
  - [72] PAUL, MICHAEL, DE
  - [72] RUFFING, ANDREAS, DE
  - [72] VEIT, TOBIAS, DE
  - [71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
  - [85] 2023-10-05
  - [86] 2022-04-06 (PCT/EP2022/059075)
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  - [25] EN
  - [54] **DETECTING RADIO LINK FAILURE IN IOT NTN**
  - [54] **DETECTION D'UNE DEFAILLANCE DE LIAISON RADIO DANS UN RESEAU NON TERRESTRE (NTN) DE L'INTERNET DES OBJETS (IDO)**
  - [72] YAVUZ, EMRE, SE
  - [72] RUNE, JOHAN, SE
  - [72] MAATTANEN, HELKA-LIINA, FI
  - [72] SEDIN, JONAS, SE
  - [72] LIN, XINGQIN, US
  - [71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
  - [85] 2023-10-05
  - [86] 2022-04-11 (PCT/IB2022/053393)
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- [25] EN
- [54] **TUMOR ABLATION TOOLS AND TECHNIQUES**
- [54] **TECHNIQUES ET OUTILS D'ABLATION DE TUMEUR**
- [72] TAFF, YUVAL, IL
- [72] OMRI, BEN, IL
- [71] SNIPE MEDICAL LTD, IL
- [85] 2023-10-05
- [86] 2022-05-10 (PCT/IB2022/054313)
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- [54] DYNAMIC PATIENT HEALTH INFORMATION SHARING
- [54] PARTAGE DYNAMIQUE D'INFORMATIONS DE SANTE DE PATIENT
- [72] HAUPTMAN, ALEXIS, US
- [72] BARMETTLER, JAMES, US
- [71] Dexcom, Inc., US
- [85] 2023-10-05
- [86] 2022-07-28 (PCT/US2022/074283)
- [87] (WO2023/019065)
- [30] US (63/233,076) 2021-08-13

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- [25] FR
- [54] DIGITAL DISPLAY METHOD AND SYSTEM FOR OUTDOOR ADVERTISING
- [54] PROCEDE ET SYSTEME D'AFFICHAGE DIGITAL POUR PUBLICITE EXTERIEURE.
- [72] BIDARD, LOIC, FR
- [71] JCDECAUX SE, FR
- [85] 2023-10-05
- [86] 2022-04-08 (PCT/EP2022/059465)
- [87] (WO2022/214669)
- [30] FR (FR2103617) 2021-04-08

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- [25] EN
- [54] DELIVERY SYSTEMS FOR IMPLANTS
- [54] SYSTEMES D'ADMINISTRATION POUR IMPLANTS
- [72] MARSHALL, COREY MAURICE, US
- [72] DU, YUANLONG, US
- [72] TRAN, TRI D., US
- [72] CAYABYAB, RONALDO C., US
- [71] EDWARDS LIFESCIENCES CORPORATION, US
- [85] 2023-10-03
- [86] 2022-04-13 (PCT/US2022/024563)
- [87] (WO2022/221378)
- [30] US (63/174,712) 2021-04-14

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- [25] EN
- [54] METHOD FOR PRODUCING SOLID ELECTROLYTE PARTICLES AND METHOD FOR PRODUCING ALL-SOLID-STATE BATTERY
- [54] METHODE DE PRODUCTION DE PARTICULES D'ELECTROLYTE SOLIDE ET METHODE DE PRODUCTION D'UNE BATTERIE ENTIEREMENT SOLIDE
- [72] KONYA, MASASHI, JP
- [72] TAMAI, KAZUKI, JP
- [71] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP
- [85] 2023-10-05
- [86] 2022-03-23 (PCT/JP2022/013407)
- [87] (WO2022/215520)
- [30] JP (2021-065250) 2021-04-07

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- [25] EN
- [54] SYSTEMS AND PROCESSES FOR CATALYTIC CONVERSION OF C1-C5 ALCOHOLS TO C2-C5 OLEFIN MIXTURES
- [54] SYSTEMES ET PROCEDES POUR LA CONVERSION CATALYTIQUE D'ALCOOLS EN C1 A C5 EN MELANGES D'OLEFINES EN C2 A C5
- [72] SMITH, JONATHAN, US
- [71] GEVO, INC., US
- [85] 2023-10-05
- [86] 2022-04-22 (PCT/US2022/026042)
- [87] (WO2022/226371)
- [30] US (63/179,145) 2021-04-23
- [30] US (63/219,803) 2021-07-08
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- [25] EN
- [54] MANAGEMENT ASSISTANCE SYSTEM FOR BUILDING OR CIVIL-ENGINEERING STRUCTURE
- [54] SYSTEME D'AIDE A LA GESTION DESTINE A UN BATIMENT OU A UNE STRUCTURE DE GENIE CIVIL
- [72] YAMASAKI, FUMINORI, JP
- [72] KARINO, TAKASHI, JP
- [71] IXS CO., LTD., JP
- [85] 2023-10-05
- [86] 2022-04-07 (PCT/JP2022/017254)
- [87] (WO2022/215724)
- [30] JP (2021-066211) 2021-04-09

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- [25] EN
- [54] ENHANCEMENT OF TREATMENT WITH IMMUNOTHERAPEUTIC AGENTS
- [54] AMELIORATION DU TRAITEMENT AVEC DES AGENTS IMMUNOTHERAPEUTIQUES
- [72] SONTUM, PER CHRISTIAN, NO
- [72] KVALE, SVEIN, NO
- [72] KOTOPOULIS, SPIROS, NO
- [72] HEALEY, ANDREW JOHN, NO
- [71] ACT THERAPEUTICS LTD, GB
- [85] 2023-10-05
- [86] 2022-04-20 (PCT/EP2022/060431)
- [87] (WO2022/223626)
- [30] GB (2105691.6) 2021-04-21

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- [25] EN
- [54] DEFORMABLE CONTAINER, KIT AND PACKAGING
- [54] RECIPIENT DEFORMABLE, KIT ET EMBALLAGE
- [72] DIONIGI, GIUSEPPE, IT
- [71] DOMPE' FARMACEUTICI S.P.A., IT
- [85] 2023-10-05
- [86] 2022-05-03 (PCT/EP2022/061844)
- [87] (WO2022/233866)
- [30] IT (102021000011387) 2021-05-07

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  - [54] CRANE ASSEMBLIES AND METHODS FOR ERECTING TOWERS AND WIND TURBINES
  - [54] ENSEMBLES GRUE ET PROCEDES POUR ERIGER DES TOURS ET DES EOLIENNES
  - [72] GOMEZ MORA, DANIEL, ES
  - [72] FRAX CERVERA, JOEL, ES
  - [72] VAN SON, CORNELIS JOSEPHUS ANDREAS, NL
  - [72] KALTER, LOUWERIS REMON, NL
  - [72] BAKKER, LANCE LAMBERTUS PETER, NL
  - [72] VAN EGDOM, ARIS JAN, NL
  - [72] ROZEBOOM, FRANK, NL
  - [72] VIS, DRIES, NL
  - [72] BOER, WILLEM HAJE, NL
  - [71] GENERAL ELECTRIC RENOVABLES ESPANA, S.L., ES
  - [85] 2023-10-05
  - [86] 2022-05-25 (PCT/EP2022/064168)
  - [87] (WO2022/248536)
  - [30] EP (21382478.2) 2021-05-26
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- [25] EN
- [54] METHOD FOR MAKING A SUPPORT ELEMENT FOR THE HUMAN BODY, SUCH AS A SADDLE OF A VEHICLE, SUPPORT ELEMENT SO OBTAINED AND RELATIVE MOLDING UNIT
- [54] PROCEDE DE FABRICATION D'UN ELEMENT DE SUPPORT POUR LE CORPS HUMAIN, TEL QU'UNE SELLE D'UN VEHICULE, ELEMENT DE SUPPORT AINSI OBTENU ET UNITE DE MOULAGE RELATIVE
- [72] BIGOLIN, BARBARA, IT
- [72] MALFATTI, MARCO, IT
- [71] SELLE ROYAL GROUP S.P.A., IT
- [85] 2023-10-05
- [86] 2022-06-13 (PCT/IB2022/055454)
- [87] (WO2022/269407)
- [30] IT (102021000016760) 2021-06-25

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  - [25] EN
  - [54] GENERATION OF CELL-BASED PRODUCTS FOR HUMAN CONSUMPTION
  - [54] GENERATION DE PRODUITS A BASE DE CELLULES POUR LA CONSOMMATION HUMAINE
  - [72] ARORA, NEHA, US
  - [72] VALENZUELA, RACHEL ANNE PORRAS, US
  - [71] UPSIDE FOODS, INC., US
  - [85] 2023-10-04
  - [86] 2022-04-27 (PCT/US2022/026603)
  - [87] (WO2022/232322)
  - [30] US (63/180,828) 2021-04-28
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- [25] EN
- [54] MATERIAL TEST SUB INCLUDING ONE OR MORE GROOVES OR POCKETS FOR DOWNHOLE ENVIRONMENTAL EXPOSURE
- [54] REDUCTION DE TEST DE MATERIAU COMPRENANT UNE OU PLUSIEURS RAINURES OU POCHES POUR EXPOSITION ENVIRONNEMENTALE DE FOND DE TROU
- [72] MURRAY, FRASER, SG
- [72] YU, SHANSHAN, SG
- [72] VU, THANH NAM, SG
- [71] HALLIBURTON ENERGY SERVICES, INC., US
- [85] 2023-10-05
- [86] 2022-06-16 (PCT/US2022/033741)
- [87] (WO2022/266294)
- [30] US (63/211,973) 2021-06-17
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  - [25] EN
  - [54] ORAL VACCINE COMPOSITION
  - [54] COMPOSITION DE VACCIN ORAL
  - [72] YAMATO, KENTA, JP
  - [72] MIYATA, TAKESHI, JP
  - [72] KUSAKABE, TAKAHIRO, JP
  - [72] LEE, JAE MAN, JP
  - [72] MASUDA, AKITSU, JP
  - [71] KAICO LTD., JP
  - [71] KAGOSHIMA UNIVERSITY, JP
  - [71] KYUSHU UNIVERSITY, NATIONAL UNIVERSITY CORPORATION, JP
  - [85] 2023-10-05
  - [86] 2022-04-08 (PCT/JP2022/017328)
  - [87] (WO2022/215742)
  - [30] JP (2021-066427) 2021-04-09
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- [25] EN
- [54] EXPORTING DATA TO A CLOUD-BASED SERVICE
- [54] EXPORTATION DE DONNEES VERS UN SERVICE EN NUAGE
- [72] VALLAPUREDDY, ANIL KUMAR, US
- [72] BAKER, MICHAEL, US
- [72] LIN, BRIAN, US
- [72] PAUL, CAROLINE, US
- [72] YANDROFSKI, TYLER, US
- [72] CHANDA, ANIKEIT, US
- [72] MCQUILKIN, ALEXANDER, US
- [71] CAPITAL ONE SERVICES, LLC, US
- [85] 2023-10-05
- [86] 2022-03-24 (PCT/US2022/071300)
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  - [25] EN
  - [54] **ADJUSTMENT BASED LOCAL ILLUMINATION COMPENSATION**
  - [54] **COMPENSATION D'ECLAIRAGE LOCAL SUR LA BASE D'UN AJUSTEMENT**
  - [72] CHEN, LIEN-FEI, US
  - [72] LI, XIANG, US
  - [72] LIU, SHAN, US
  - [71] TENCENT AMERICA LLC, US
  - [85] 2023-10-05
  - [86] 2022-09-08 (PCT/US2022/076122)
  - [87] (WO2023/136940)
  - [30] US (63/298,788) 2022-01-12
  - [30] US (17/903,697) 2022-09-06
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- [25] EN
- [54] **TEMPORARY WELLBORE BARRIER USING FERROMAGNETIC FLUID**
- [54] **BARRIERE TEMPORAIRE DE PUITS DE FORAGE A L'AIDE DE FLUIDE FERROMAGNETIQUE**
- [72] ZHANG, WEI, US
- [72] HOLLY, MARK, US
- [71] HALLIBURTON ENERGY SERVICES, INC., US
- [85] 2023-10-05
- [86] 2021-07-08 (PCT/US2021/070843)
- [87] (WO2023/282933)
- [30] US (17/305,475) 2021-07-08

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- [25] EN
  - [54] **METHODS AND SYSTEMS FOR ANALYZING COMPLEX GENOMIC REGIONS**
  - [54] **PROCEDES ET SYSTEMES D'ANALYSE DE REGIONS GENOMIQUES COMPLEXES**
  - [72] SCHÄRER, GUNTER, US
  - [71] RPRD DIAGNOSTICS, LLC, US
  - [85] 2023-10-05
  - [86] 2022-04-05 (PCT/US2022/023483)
  - [87] (WO2022/216711)
  - [30] US (63/171,387) 2021-04-06
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- [25] EN
  - [54] **ALL PLASTIC HAND PUMP WITH A PISTON HAVING AN INTEGRATED CHECK VALVE**
  - [54] **POMPE A MAIN ENTIEREMENT EN PLASTIQUE AVEC PISTON EQUIPE D'UN CLAPET ANTIRETOUR INTEGRE**
  - [72] ARMINAK, ARMIN, US
  - [71] ARMINAK, ARMIN, US
  - [85] 2023-09-29
  - [86] 2021-07-16 (PCT/US2021/042058)
  - [87] (WO2022/220856)
  - [30] US (63/175,651) 2021-04-16
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  - [25] EN
  - [54] **KNOTLESS MICRO-SUTURE ANCHORS AND ANCHOR ARRAYS FOR ANATOMICAL ATTACHMENT OF SOFT TISSUE TO BONE**
  - [54] **ANCRÉS DE MICRO-SUTURE SANS NŒUD ET RESEAUX D'ANCRÉS POUR LA FIXATION ANATOMIQUE D'UN TISSU MOU A UN OS**
  - [72] WESTLING, THOMAS A., US
  - [72] ZENZ-OLSON, ZAK, US
  - [72] VAN TRAN, NATHANIEL, US
  - [72] HARRIS, HOWARD W., US
  - [71] INTEGRITY ORTHOPAEDICS, INC., US
  - [85] 2023-10-05
  - [86] 2022-04-07 (PCT/US2022/023824)
  - [87] (WO2022/216925)
  - [30] US (63/172,564) 2021-04-08
  - [30] US (63/281,411) 2021-11-19
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- [25] EN
  - [54] **IN-SITU GENERATION OF THIOSULPHATE LIXIVIANT SYSTEMS AND METHODS FOR PRECIOUS METAL LEACHING AND RECOVERY**
  - [54] **PRODUCTION IN SITU DE SYSTEMES DE LIXIVIATION A BASE DE THIOSULFATE ET PROCEDES DE LIXIVIATION ET DE RECUPERATION DE METAUX PRECIEUX**
  - [72] MELASHVILI, MARIAM, CA
  - [72] SMOLIK, THEODORE JAMES, US
  - [72] DREISINGER, DAVID, CA
  - [71] SEABRIDGE GOLD INC., CA
  - [85] 2023-10-06
  - [86] 2022-04-12 (PCT/CA2022/050567)
  - [87] (WO2022/217353)
  - [30] US (63/174,409) 2021-04-13

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**[21] 3,216,216**

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- [25] EN
- [54] INSULATING PANEL FOR CONSTRUCTION WITH GRAB SURFACE
- [54] PANNEAU ISOLANT POUR CONSTRUCTION A SURFACE DE PREHENSION
- [72] BUSATTA, NICOLA, IT
- [72] CAIS, FEDERICO, IT
- [71] TEMA - TECHNOLOGIES AND MATERIALS SRL, IT
- [85] 2023-10-20
- [86] 2022-04-14 (PCT/IB2022/053512)
- [87] (WO2022/224097)
- [30] IT (102021000010031) 2021-04-21
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[13] A1

- [51] Int.Cl. A61B 34/20 (2016.01) A61B 5/06 (2006.01) A61M 25/01 (2006.01) A61B 90/00 (2016.01)
- [25] EN
- [54] MAGNETICALLY TRACKABLE STYLETS AND METHODS THEREOF
- [54] STYLETS POUVANT ETRE SUIVIS MAGNETIQUEMENT ET PROCEDES ASSOCIES
- [72] DAVIS, MICHAEL, US
- [72] LACKEY, BREANNA E., US
- [72] BELL, EDWARD DAVID, US
- [72] URRY, ROBIN SCOTT, US
- [72] BLANCHARD, DANIEL B., US
- [72] ISAACSON, SHAWN RAY, US
- [72] VANDERSTEK, BRADLEY J., US
- [72] ELEY, TAYLOR MATTHEW, US
- [72] RUSSON, AUSTIN, US
- [72] TRAN, HUY NGOC, US
- [71] BARD ACCESS SYSTEMS, INC., US
- [85] 2023-10-04
- [86] 2022-04-27 (PCT/US2022/026606)
- [87] (WO2022/232325)
- [30] US (63/181,060) 2021-04-28
- [30] US (63/181,071) 2021-04-28
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- [51] Int.Cl. B63H 21/17 (2006.01) B63G 8/08 (2006.01)
- [25] EN
- [54] WATERCRAFT
- [54] ENTRAINEMENT ELECTRIQUE POUR NAVIRE
- [72] GERDES, JURGEN, DE
- [72] SCHEPERS, OLIVER, DE
- [72] STEFFENS, GERM, DE
- [71] MBC - MARITIME BUSINESS & CONSULTING UG (HAFTUNGSBESCHRANKT) & CO. KG, DE
- [85] 2023-10-06
- [86] 2022-04-07 (PCT/DE2022/100261)
- [87] (WO2022/214140)
- [30] DE (10 2021 108 758.9) 2021-04-08
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- [51] Int.Cl. G02F 1/167 (2019.01) G02F 1/1675 (2019.01) G02F 1/1676 (2019.01)
- [25] EN
- [54] DISAGGREGATION DRIVING SEQUENCES FOR FOUR PARTICLE ELECTROPHORETIC DISPLAYS
- [54] SEQUENCES DE COMMANDE DE DESAGREGATION POUR ECRANS ELECTROPHORETIQUES A QUATRE PARTICULES
- [72] JAN, NING-WEI, US
- [72] CHIU, CHEN-KAI, US
- [72] LIN, FENG-SHOW, US
- [72] CHENG, CHIH-YU, US
- [71] E INK CORPORATION, US
- [85] 2023-10-04
- [86] 2022-04-28 (PCT/US2022/026651)
- [87] (WO2022/232345)
- [30] US (63/181,514) 2021-04-29
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- [25] EN
- [54] COMBINATION OF A PARTICULAR BRAF INHIBITOR (PARADOX BREAKER) AND A PD-1 AXIS BINDING ANTAGONIST FOR USE IN THE TREATMENT OF CANCER
- [54] ASSOCIATION D'UN INHIBITEUR DE BRAF PARTICULIER ("PARADOX BREAKER") ET D'UN ANTAGONISTE DE LIAISON A L'AXE PD-1 POUR UNE UTILISATION DANS LE TRAITEMENT DU CANCER
- [72] ECKMANN, JAN, DE
- [72] FRIESS, THOMAS, DE
- [72] HERTING, FRANK, DE
- [72] PETTAZZONI, PIERGIORGIO FRANCESCO TOMMASO, CH
- [72] WICHMANN, JUERGEN, CH
- [71] F. HOFFMANN-LA ROCHE AG, CH
- [85] 2023-10-06
- [86] 2022-06-07 (PCT/EP2022/065373)
- [87] (WO2022/258600)
- [30] EP (21178462.4) 2021-06-09
- [30] EP (22157499.9) 2022-02-18
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[13] A1

- [51] Int.Cl. G01N 30/74 (2006.01) B01D 15/14 (2006.01) B01D 15/16 (2006.01) C07K 1/16 (2006.01) G01N 30/32 (2006.01)
- [25] EN
- [54] TITER METHOD USING UV MEASUREMENT FOR CONTINUOUS BIOLOGICAL PRODUCTION
- [54] PROCEDE DE TITRAGE UTILISANT UNE MESURE UV POUR LA PRODUCTION BIOLOGIQUE CONTINUE
- [72] CREASY, ARCH DAVID, US
- [72] KWONG, AARON THOMAS, US
- [72] KYSER, ZACHARY RYAN, US
- [72] OROZCO, RAQUEL, US
- [72] STORK, MATTHEW JOSEPH, US
- [71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
- [85] 2023-10-04
- [86] 2022-05-24 (PCT/US2022/030699)
- [87] (WO2022/251194)
- [30] US (63/192,642) 2021-05-25
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[13] A1

[51] Int.Cl. B65B 43/28 (2006.01)  
[25] EN  
[54] SYSTEMS AND METHODS FOR FOLDING AND RETAINING BOX FLAPS  
[54] SYSTEMES ET PROCEDES DE PLIAGE ET DE RETENUE DE RABATS DE BOITE  
[72] ROBINSON, SCOTTY II, US  
[72] BROWN, JEREMY, US  
[72] EDWARDS, JEFF, US  
[71] PACKSIZE LLC, US  
[85] 2023-10-20  
[86] 2022-04-28 (PCT/US2022/026822)  
[87] (WO2022/232453)  
[30] US (63/182,066) 2021-04-30  
[30] US (17/730,979) 2022-04-27

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[13] A1

[51] Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61K 39/00 (2006.01)  
[25] EN  
[54] NOVEL METHOD  
[54] NOUVEAU PROCEDE  
[72] HUTTON, ANDREW JOHN, GB  
[72] KOVACS, ISTVAN, GB  
[72] NUSSBAUMER, OLIVER, GB  
[71] GAMMADELTA THERAPEUTICS LTD, GB  
[85] 2023-10-06  
[86] 2022-04-08 (PCT/GB2022/050886)  
[87] (WO2022/214825)  
[30] GB (2105113.1) 2021-04-09

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[13] A1

[51] Int.Cl. A01N 1/00 (2006.01) A01N 1/02 (2006.01)  
[25] EN  
[54] USE OF LIPID BINDING PROTEIN-BASED COMPLEXES IN ORGAN PRESERVATION SOLUTIONS  
[54] UTILISATION DE COMPLEXES A BASE DE PROTEINES SE LIANT AUX LIPIDES DANS DES SOLUTIONS DE CONSERVATION D'ORGANES  
[72] TUPIN, CYRILLE, FR  
[72] BARBARAS, RONALD, FR  
[72] GESUALDO, LORETO, IT  
[72] FRANZIN, ROSSANA, IT  
[72] STASI, ALESSANDRA, IT  
[71] ABIONYX PHARMA SA, FR  
[85] 2023-10-06  
[86] 2022-04-14 (PCT/IB2022/000227)  
[87] (WO2022/219413)  
[30] US (63/175,330) 2021-04-15

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[51] Int.Cl. A61K 31/4174 (2006.01) A61K 45/06 (2006.01)  
[25] FR  
[54] CARDIOPROTECTION BY AUTOPHAGY INDUCTION AND METABOLIC REPROGRAMMING  
[54] CARDIOPROTECTION PAR INDUCTION D'AUTOPHAGIE ET REPROGRAMMATION METABOLIQUE  
[72] BRENNER, CATHERINE, FR  
[72] TARAN, FREDERIC, FR  
[72] CINTRAT, JEAN-CHRISTOPHE, FR  
[72] PERFETTINI, JEAN-LUC, FR  
[71] UNIVERSITE PARIS-SARCLAY, FR  
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR  
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR  
[71] INSTITUT GUSTAVE ROUSSY, FR  
[85] 2023-10-20  
[86] 2022-04-29 (PCT/FR2022/050829)  
[87] (WO2022/229575)  
[30] FR (FR2104564) 2021-04-30

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[51] Int.Cl. C07K 16/28 (2006.01) A61K 35/17 (2015.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C12N 5/22 (2006.01) C12N 15/13 (2006.01) G01N 33/577 (2006.01)  
[25] EN  
[54] CROSS SPECIES SINGLE DOMAIN ANTIBODIES TARGETING PD-L1 FOR TREATING SOLID TUMORS  
[54] ANTICORPS A DOMAINE UNIQUE HETEROSPECIFIQUES CIBLANT PD-L1 POUR LE TRAITEMENT DE TUMEURS SOLIDES  
[72] ENGLISH, HEJIAO, US  
[72] MERLINO, GLENN, US  
[72] HO, MITCHELL, US  
[72] LI, DAN, US  
[72] DAY, CHI-PING, US  
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US  
[85] 2023-10-04  
[86] 2022-06-06 (PCT/US2022/032378)  
[87] (WO2022/261017)  
[30] US (63/208,755) 2021-06-09

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[13] A1

[51] Int.Cl. A63F 13/40 (2014.01) G06T 19/00 (2011.01) G06Q 50/00 (2012.01)  
[25] EN  
[54] SYSTEM AND METHOD FOR PERFORMANCE IN A VIRTUAL REALITY ENVIRONMENT  
[54] SYSTEME ET PROCEDE DE PERFORMANCE DANS UN ENVIRONNEMENT DE REALITE VIRTUELLE  
[72] PURCELL, KEVIN JOHN, AU  
[71] QUILL & QUAVER ASSOCIATES PTY. LTD., AU  
[85] 2023-10-06  
[86] 2021-08-24 (PCT/AU2021/050944)  
[87] (WO2022/221902)  
[30] AU (2021901171) 2021-04-20

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- [25] EN
- [54] A METHOD FOR DECOMPOSING ORGANIC RAW MATERIAL, AND A METHOD FOR PRODUCING A LIQUID FUEL, A SOLID FUEL, OR ACTIVATED CHARCOAL USING THE SAME
- [54] PROCEDE DE DECOMPOSITION DE CHARGE D'ALIMENTATION ORGANIQUE, ET PROCEDE DE PRODUCTION DE COMBUSTIBLE LIQUIDE, DE COMBUSTIBLE SOLIDE OU DE CHARBON ACTIF L'UTILISANT

[72] MATSUNAGA, KOTETSU, JP  
 [72] KOSHIKAWA, TETSUYA, JP  
 [72] AZUMA, YUICHIRO, JP  
 [72] KOSHIKAWA, SHOI, JP  
 [72] MOCHIDA, ISAO, JP  
 [71] REVO INTERNATIONAL INC., JP  
 [85] 2023-10-06  
 [86] 2022-04-12 (PCT/JP2022/017616)  
 [87] (WO2022/220246)  
 [30] JP (2021-068497) 2021-04-14  
 [30] JP (PCT/JP2021/036613) 2021-10-04

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[13] A1

- [51] Int.Cl. C01B 32/19 (2017.01)
- [25] EN
- [54] GRAPHENE POWDER, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
- [54] POUDRE DE GRAPHENE, SA METHODE DE PREPARATION ET SON APPLICATION
- [72] SUN, SAI, CN
- [72] ZHANG, SIYU, CN
- [72] DONG, WENQIAN, CN
- [72] GAO, HUANXIN, CN
- [71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
- [71] SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY, SINOPEC, CN
- [85] 2023-10-20
- [86] 2021-09-27 (PCT/CN2021/120924)
- [87] (WO2022/222380)
- [30] CN (202110438129.0) 2021-04-22

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[13] A1

- [51] Int.Cl. H01M 8/04007 (2016.01) H01M 8/04029 (2016.01)
  - [25] EN
  - [54] BATTERY STORAGE POWER PLANT WITH A COOLING SYSTEM
  - [54] CENTRALE ELECTRIQUE DE STOCKAGE DE BATTERIE DOTEE D'UN SYSTEME DE REFROIDISSEMENT
  - [72] LUTH, THOMAS, DE
  - [72] LENHART, LORENZ, DE
  - [71] VOITH PATENT GMBH, DE
  - [85] 2023-10-20
  - [86] 2022-03-09 (PCT/EP2022/055968)
  - [87] (WO2022/223197)
  - [30] DE (10 2021 110 200.6) 2021-04-22
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- [51] Int.Cl. B01F 21/20 (2022.01) B01F 25/316 (2022.01)
- [25] EN
- [54] DEVICE AND METHOD FOR TREATING FLUIDS
- [54] DISPOSITIF ET PROCEDE DE TRAITEMENT DE FLUIDES
- [72] BERTOLOTTI, UMBERTO, IT
- [72] CONTINI, MARIO, IT
- [71] I.V.A.R. S.P.A., IT
- [85] 2023-10-06
- [86] 2022-03-29 (PCT/IB2022/052883)
- [87] (WO2022/219439)
- [30] IT (102021000009689) 2021-04-16

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[13] A1

- [51] Int.Cl. A61P 3/10 (2006.01) A61P 9/04 (2006.01) A61P 13/12 (2006.01)
  - [25] EN
  - [54] APELIN RECEPTOR MODULATORS FOR TREATING AGE-RELATED MUSCLE CONDITIONS
  - [54] MODULATEURS DU RECEPTEUR DE L'APLINE DE TRAITEMENT DE PATHOLOGIES MUSCULAIRES LIEES A L'AGE
  - [72] FORTNEY, KRISTEN PATRICIA, US
  - [72] MORGEN, ERIC KIM, US
  - [72] REBO, JUSTIN, US
  - [72] HUGHES, ROBERT, US
  - [72] ASWAD, FRED, US
  - [72] LEONG, PENG, US
  - [72] IGDARI, SASHANAZ H., US
  - [72] RUBIN, PAUL, US
  - [71] BIOAGE LABS, INC., US
  - [85] 2023-10-06
  - [86] 2022-04-06 (PCT/US2022/023732)
  - [87] (WO2022/216871)
  - [30] US (63/171,475) 2021-04-06
  - [30] US (63/272,419) 2021-10-27
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- [25] EN
- [54] SYSTEM AND METHOD FOR REMOTE DIGITAL TIME TRANSFER
- [54] SYSTEME ET PROCEDE DE TRANSFERT DE TEMPS NUMERIQUE A DISTANCE
- [72] CARLSON, BRENT, CA
- [71] NATIONAL RESEARCH COUNCIL OF CANADA (NRC), CA
- [85] 2023-10-20
- [86] 2022-04-26 (PCT/IB2022/053865)
- [87] (WO2022/229843)
- [30] US (63/180,703) 2021-04-28

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[13] A1

- [51] Int.Cl. G06F 40/30 (2020.01) G06N 20/00 (2019.01) G06F 40/247 (2020.01) G06F 40/56 (2020.01)
  - [25] EN
  - [54] INTELLIGENT PHRASE DERIVATION GENERATION
  - [54] GENERATION INTELLIGENTE DE DERIVATION DE PHRASES
  - [72] SMAAGARD, KYLE, US
  - [72] MATSUI, MATT, US
  - [72] CHAPLIN, BORIS, US
  - [72] GORDON, PAUL, US
  - [72] MORGAN, DYLAN, US
  - [72] GRAMMER, SKYLER, US
  - [72] VANCIU, CHRIS, US
  - [71] CALABRIO, INC., US
  - [85] 2023-10-20
  - [86] 2022-04-23 (PCT/US2022/026075)
  - [87] (WO2022/226393)
  - [30] US (63/178,743) 2021-04-23
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[13] A1

- [51] Int.Cl. A61B 5/107 (2006.01) A61B 5/00 (2006.01)
- [25] EN
- [54] METHOD OF DETERMINING THE EFFECTIVENESS OF A TREATMENT ON A FACE
- [54] PROCEDE DE DETERMINATION DE L'EFFICACITE D'UN TRAITEMENT SUR UN VISAGE
- [72] EDISON, BRENDA, US
- [72] SHYR, THOMAS, US
- [72] TIERNEY, NEENA, US
- [71] JOHNSON & JOHNSON CONSUMER INC., US
- [85] 2023-10-06
- [86] 2022-04-08 (PCT/IB2022/053319)
- [87] (WO2022/215046)
- [30] US (63/173,261) 2021-04-09

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[13] A1

- [51] Int.Cl. G16H 20/60 (2018.01) G16H 10/60 (2018.01) G16H 20/17 (2018.01) G16H 50/50 (2018.01) G16H 70/20 (2018.01)
  - [25] EN
  - [54] MEDICAL TREATMENT DEVICES WITH CONTROLLABLE LIGHT GUIDES AND SMART COVERS
  - [54] DISPOSITIFS DE TRAITEMENT MEDICAL DOTES DE GUIDES DE LUMIERE REGLABLES ET DE CACHES INTELLIGENTS
  - [72] PETERSON, JAMES, US
  - [72] MERCHANT, STEPHEN A., US
  - [72] YUDS, DAVID, US
  - [72] MOSS, JON F., US
  - [71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
  - [85] 2023-10-06
  - [86] 2022-03-30 (PCT/US2022/022555)
  - [87] (WO2022/216497)
  - [30] US (17/224,489) 2021-04-07
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[13] A1

- [51] Int.Cl. H01H 13/14 (2006.01) H01H 13/52 (2006.01)
- [25] EN
- [54] PUSH BUTTON FOR ACTUATING SWITCH
- [54] BOUTON-POUSSOIR POUR COMMUTATEUR DE MISE EN MARCHE
- [72] HUANG, YI-CHI, CA
- [71] 3M INNOVATIVE PROPERTIES COMPANY, US
- [85] 2023-10-06
- [86] 2022-04-04 (PCT/US2022/023312)
- [87] (WO2022/216610)
- [30] US (63/171,270) 2021-04-06

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[13] A1

- [51] Int.Cl. A61K 38/18 (2006.01) A23L 33/18 (2016.01) A23J 3/04 (2006.01) A23J 3/34 (2006.01) A61K 8/65 (2006.01) A61K 38/39 (2006.01) A61Q 5/00 (2006.01) A61Q 19/00 (2006.01) C07K 1/12 (2006.01) C12P 21/06 (2006.01)
  - [25] EN
  - [54] PROTEIN HYDROLYSATE COMPOSITION FROM CULTIVATED CELLS AND APPLICATIONS THEREOF
  - [54] COMPOSITION D'HYDROLYSAT CELLULAIRE ISSUE DE CELLULES CULTIVEES ET SES APPLICATIONS
  - [72] CHIN, PO SAN MARIO, CN
  - [72] CHAN, KAI YI CARRIE, CN
  - [72] POON, CHUN HEI, CN
  - [71] AVANT MEATS COMPANY LIMITED, CN
  - [85] 2023-10-06
  - [86] 2022-04-10 (PCT/IB2022/053340)
  - [87] (WO2022/215055)
  - [30] US (63/173,332) 2021-04-09
  - [30] US (17/243,493) 2021-04-28
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- [51] Int.Cl. C07H 17/08 (2006.01) A01N 43/22 (2006.01)
- [25] EN
- [54] NOVEL SPINOSYN PRODRUGS
- [54] NOUVEAUX PROMEDICAMENTS DE SPINOSYNE
- [72] KOSEC, GREGOR, SI
- [72] KRAJNC, NIKA LENDERICO, SI
- [72] FUJS, ?TEFAN, SI
- [72] CAMP, NICHOLAS, GB
- [71] ACIES BIO D.O.O., SI
- [85] 2023-10-20
- [86] 2022-04-22 (PCT/EP2022/060683)
- [87] (WO2022/223779)
- [30] EP (21170258.4) 2021-04-23
- [30] EP (22156606.0) 2022-02-14

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**[21] 3,216,245**  
[13] A1

- [51] Int.Cl. H03K 5/1252 (2006.01)
  - [25] EN
  - [54] **DIGITAL CLEAN UP OSCILLATOR**
  - [54] **OSCILLATEUR NUMERIQUE DE NETTOYAGE**
  - [72] CARLSON, BRENT, CA
  - [71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
  - [85] 2023-10-20
  - [86] 2022-04-26 (PCT/IB2022/053867)
  - [87] (WO2022/229844)
  - [30] US (63/180,703) 2021-04-28
  - [30] US (63/188,139) 2021-05-13
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[13] A1

- [51] Int.Cl. F02C 3/22 (2006.01) F01K 23/06 (2006.01) F02C 3/30 (2006.01) F02C 6/00 (2006.01) F02C 7/16 (2006.01)
- [25] EN
- [54] **ON-DEMAND HYDROGEN FOR POWER GENERATION**
- [54] **HYDROGÈNE A LA DEMANDE POUR LA PRODUCTION D'ÉNERGIE**
- [72] BOURQUE, GILLES, CA
- [72] BLANCHET, JOCELYN, CA
- [72] BERGTHORSON, JEFFREY MYLES, CA
- [72] TROWELL, KEENA, CA
- [71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
- [85] 2023-10-06
- [86] 2022-04-06 (PCT/US2022/023599)
- [87] (WO2022/216779)
- [30] US (63/172,363) 2021-04-08

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[13] A1

- [51] Int.Cl. F24F 1/16 (2011.01) F24F 11/89 (2018.01)
- [25] EN
- [54] **AIR CONDITIONER**
- [54] **CLIMATISEUR**
- [72] GU, YONG, CN
- [72] KAN, CHANGLI, CN
- [72] ZHOU, BAISONG, CN
- [72] ZHU, MENGHAO, CN
- [72] LI, YUNZHI, CN
- [72] XI, YANG, CN
- [72] GE, SHANSHAN, CN
- [72] WU, LIN, CN
- [71] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
- [71] HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
- [85] 2023-10-20
- [86] 2021-11-30 (PCT/CN2021/134244)
- [87] (WO2022/257374)
- [30] CN (202110636362.X) 2021-06-08

**[21] 3,216,252**  
[13] A1

- [51] Int.Cl. C12N 5/0783 (2010.01) C07K 16/28 (2006.01) C12N 15/12 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01)
- [25] EN
- [54] **METHOD FOR ACTIVATING T-CELLS**
- [54] **PROCEDE D'ACTIVATION DE LYMPHOCYTES T**
- [72] OGAKI, SOICHIRO, JP
- [72] ARAKI, HIDEO, JP
- [72] MAEDA, EIKI, JP
- [71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
- [71] NOILE-IMMUNE BIOTECH INC., JP
- [85] 2023-10-06
- [86] 2022-04-07 (PCT/JP2022/017224)
- [87] (WO2022/215718)
- [30] JP (2021-066050) 2021-04-08

**[21] 3,216,253**  
[13] A1

- [51] Int.Cl. A61K 35/13 (2015.01) A61K 45/06 (2006.01) A61P 1/16 (2006.01) A61P 11/00 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] **NADK2 INHIBITION IN CANCER AND FIBROTIC DISORDERS**
- [54] **INHIBITION DE LA NADK2 DANS LE CANCER ET LES TROUBLES FIBROTIQUES**
- [72] THOMPSON, CRAIG B., US
- [72] SCHWOERER, SIMON, US
- [72] ZHU, JIAJUN, US
- [71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
- [71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
- [71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
- [85] 2023-10-06
- [86] 2022-04-07 (PCT/US2022/023788)
- [87] (WO2022/216903)
- [30] US (63/172,598) 2021-04-08

**[21] 3,216,254**  
[13] A1

- [51] Int.Cl. H03G 3/30 (2006.01) H03H 17/02 (2006.01) H04B 1/16 (2006.01)
- [25] EN
- [54] **AUTOMATIC GAIN CONTROL SYSTEM FOR PROCESSING OF CLIPPED SIGNAL SAMPLES**
- [54] **Système de commande de gain automatique pour le traitement d'échantillons de signaux écrétés**
- [72] STOCKMASTER, MICHAEL H., US
- [72] DOWNEY, RYAN D., US
- [71] BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC., US
- [85] 2023-10-06
- [86] 2022-04-05 (PCT/US2022/023424)
- [87] (WO2022/216668)
- [30] US (17/224,701) 2021-04-07

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<p>[21] 3,216,255 [13] A1</p> <p>[51] Int.Cl. G16H 40/67 (2018.01) G06F 16/906 (2019.01)</p> <p>[25] EN</p> <p>[54] ANIMAL DATA-BASED IDENTIFICATION AND RECOGNITION SYSTEM AND METHOD</p> <p>[54] SYSTEME ET PROCEDE D'IDENTIFICATION ET DE RECONNAISSANCE D'ANIMAUX BASE SUR DES DONNEES</p> <p>[72] KHARE, VIVEK, US</p> <p>[72] GORSKI, MARK, US</p> <p>[72] MIMOTO, STAN, US</p> <p>[71] SPORTS DATA LABS, INC., US</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-27 (PCT/US2022/026532)</p> <p>[87] (WO2022/232268)</p> <p>[30] US (63/180,322) 2021-04-27</p> <p>[30] US (63/213,523) 2021-06-22</p>
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<p>[21] 3,216,256 [13] A1</p> <p>[51] Int.Cl. C10M 143/04 (2006.01)</p> <p>[25] EN</p> <p>[54] ETHYLENE-PROPYLENE BRANCHED COPOLYMERS AS VISCOSITY MODIFIERS</p> <p>[54] COPOLYMERES RAMIFIES ETHYLENE-PROPYLENE UTILISES EN TANT QUE MODIFICATEURS DE VISCOSITE</p> <p>[72] CANICH, JO ANN M., US</p> <p>[72] ZHANG, JINGWEN, US</p> <p>[72] ZHANG, SARA YUE, US</p> <p>[72] SEPEHR, MARYAM, US</p> <p>[72] HAGADORN, JOHN R., US</p> <p>[72] JIANG, PEIJUN, US</p> <p>[72] MORGAN, DAVID L., US</p> <p>[71] EXXONMOBIL CHEMICAL PATENTS INC., US</p> <p>[71] CHEVRON ORONITE COMPANY LLC, US</p> <p>[85] 2023-10-20</p> <p>[86] 2022-05-11 (PCT/US2022/028735)</p> <p>[87] (WO2022/240965)</p> <p>[30] US (63/188,726) 2021-05-14</p>
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<p>[21] 3,216,257 [13] A1</p> <p>[51] Int.Cl. C25B 1/22 (2006.01) C02F 1/469 (2006.01) C22B 7/00 (2006.01) C25B 1/16 (2006.01) C25B 1/34 (2006.01) C25B 15/08 (2006.01) C25C 7/06 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTROCHEMICAL MATERIALS PRODUCTION AND PROCESSING</p> <p>[54] PRODUCTION ET TRAITEMENT ELECTROCHIMIQUES DE MATERIAUX</p> <p>[72] BENCK, JESSE D., US</p> <p>[72] CHIANG, YET-MING, US</p> <p>[72] ELLIS, LEAH D., US</p> <p>[72] DOMINGUEZ, KYLE, US</p> <p>[72] LAYUROVA, MARIYA, US</p> <p>[71] SUBLIME SYSTEMS, INC., US</p> <p>[85] 2023-10-06</p> <p>[86] 2022-04-05 (PCT/US2022/023534)</p> <p>[87] (WO2022/216741)</p> <p>[30] US (63/171,180) 2021-04-06</p> <p>[30] US (63/181,053) 2021-04-28</p> <p>[30] US (63/252,455) 2021-10-05</p> <p>[30] US (63/271,797) 2021-10-26</p> <p>[30] US (63/320,527) 2022-03-16</p>
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<p>[21] 3,216,258 [13] A1</p> <p>[25] EN</p> <p>[54] SOLID STATE FORMS OF (S)-N-(3-(2-(((R)-1-HYDROXYPROPAN-2-YL)AMINO)-6-METHYLPHENYL)-4-(2,2,2-TRIFLUOROETHYL)PYRROLIDI NE-1-CARBOXAMIDE AND SALTS THEREOF</p> <p>[54] FORMES A L?ETAT SOLIDE DE (S)-N-(3-(2-(((R)-1-HYDROXYPROPAN-2-YL)AMINO)-6-METHYLPHENYL)-4-(2,2,2-TRIFLUOROETHYL)PYRROLIDI NE-1-CARBOXAMIDE ET SES SELS</p> <p>[72] KALDOR, STEPHEN W., US</p> <p>[72] KANOUNI, TOUIKE, US</p> <p>[72] PHIMISTER, ANDREW, US</p> <p>[72] REDDY, JAYACHANDRA P., US</p> <p>[71] KINNATE BIOPHARMA INC., US</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-21 (PCT/US2022/025815)</p> <p>[87] (WO2022/226221)</p> <p>[30] US (63/178,752) 2021-04-23</p>
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<p>[21] 3,216,259 [13] A1</p> <p>[51] Int.Cl. H05B 47/155 (2020.01) H05B 47/19 (2020.01)</p> <p>[25] EN</p> <p>[54] CONFIGURATION AND CONTROL OF LOAD CONTROL SYSTEMS</p> <p>[54] CONFIGURATION ET COMMANDE DE SYSTEMES DE COMMANDE DE CHARGE</p> <p>[72] HO, HORACE C., US</p> <p>[72] OESTERLING, GRANT, US</p> <p>[72] PRIESTER, KENNETH, US</p> <p>[71] LUTRON TECHNOLOGY COMPANY LLC, US</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-22 (PCT/US2022/026030)</p> <p>[87] (WO2022/226363)</p> <p>[30] US (63/178,496) 2021-04-22</p>
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<p>[21] 3,216,260 [13] A1</p> <p>[51] Int.Cl. C07D 403/12 (2006.01) C07D 207/14 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/12 (2006.01)</p> <p>[25] EN</p> <p>[54] TRANSCRIPTIONAL ENHANCED ASSOCIATED DOMAIN (TEAD) TRANSCRIPTION FACTOR INHIBITORS AND USES THEREOF</p> <p>[54] INHIBITEURS DU FACTEUR DE TRANSCRIPTION A DOMAINE ASSOCIE TRANSCRIPTIONNEL AMELIORE (TEAD) ET LEURS UTILISATIONS</p> <p>[72] GRAY, NATHANAEL S., US</p> <p>[72] ZHANG, TINGHU, US</p> <p>[72] FAN, MENGYANG, US</p> <p>[72] CHE, JIANWEI, US</p> <p>[72] LU, WENCHAO, US</p> <p>[72] DHE-PAGANON, SIRANO, US</p> <p>[72] KWIATKOWSKI, NICHOLAS PAUL, US</p> <p>[71] DANA FARBER CANCER INSTITUTE, INC., US</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-26 (PCT/US2022/026268)</p> <p>[87] (WO2022/232088)</p> <p>[30] US (63/180,418) 2021-04-27</p> <p>[30] US (63/291,845) 2021-12-20</p>
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## PCT Applications Entering the National Phase

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[21] **3,216,261**  
[13] A1

[25] EN  
**[54] POWDER COATING COMPOSITION BLEND**  
**[54] MELANGE DE COMPOSITION DE REVETEMENT EN POUDRE**  
[72] YANG, PENGCHENG, NL  
[72] BRINKHUIS, RICHARD HENDRIKUS GERRIT, NL  
[72] XIONG, RONG, CN  
[72] MINESO, ALESSANDRO, IT  
[71] ALLNEX NETHERLANDS B.V., NL  
[85] 2023-10-20  
[86] 2022-05-06 (PCT/EP2022/062327)  
[87] (WO2022/238259)  
[30] CN (PCT/CN2021/092543) 2021-05-10

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[21] **3,216,262**  
[13] A1

[51] Int.Cl. A61K 31/36 (2006.01) A61K 45/06 (2006.01) A61P 25/08 (2006.01)  
[25] FR  
**[54] TREATMENT OF HYPERAMMONEMIA**  
**[54] TRAITEMENT DES HYPERAMMONIEMIES**  
[72] VERLEYE, MARC, FR  
[72] GIRARD, PHILIPPE, FR  
[72] LE GUERN, MARIE-EMMANUELLE, FR  
[71] BIOCODEX, FR  
[85] 2023-10-20  
[86] 2022-04-20 (PCT/EP2022/060445)  
[87] (WO2022/223636)  
[30] FR (FR2104119) 2021-04-20

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[21] **3,216,263**  
[13] A1

[25] EN  
**[54] A SYSTEM FOR AND METHOD OF IDENTIFYING CORONARY ARTERY DISEASE**  
**[54] SYSTEME ET PROCEDE D'IDENTIFICATION D'UNE CORONAROPATHIE**  
[72] FLACK, JULIEN, AU  
[72] JOYNER, JACK, AU  
[72] CLIFTON, CASEY, AU  
[72] IHDAYHID, ABDUL, AU  
[72] DWIVEDI, GIRISH, AU  
[71] ARTRYA LIMITED, AU  
[85] 2023-10-20  
[86] 2022-04-21 (PCT/AU2022/050365)  
[87] (WO2022/221921)  
[30] AU (2021901188) 2021-04-21

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[21] **3,216,264**  
[13] A1

[51] Int.Cl. G16H 50/20 (2018.01) G16H 50/30 (2018.01)  
[25] EN  
**[54] EVALUATION OF DONOR LUNGS DURING EX-VIVO LUNG PERfusion**  
**[54] EVALUATION DES POUMONS D'UN donneur PENDANT UNE perfusion pulmonaire ex vivo**  
[72] AYYAT, KAMAL S., US  
[72] OKAMOTO, TOSHIHIRO, US  
[72] MCCURRY, KENNETH R., US  
[71] THE CLEVELAND CLINIC FOUNDATION, US  
[85] 2023-10-20  
[86] 2022-04-22 (PCT/US2022/025892)  
[87] (WO2022/226272)  
[30] US (63/178,190) 2021-04-22

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[21] **3,216,265**  
[13] A1

[51] Int.Cl. A24B 15/10 (2006.01) A24B 15/30 (2006.01)  
[25] EN  
**[54] ORALLY DISSOLVING FILMS**  
**[54] FILMS A DISSOLUTION ORALE**  
[72] ZAWADZKI, MICHAEL ANDREW, US  
[72] ALDERMAN, STEVEN LEE, GB  
[72] POOLE, THOMAS H., GB  
[72] JOYCE, MICHAEL, GB  
[72] JONES, WESLEY STEVEN, GB  
[72] LAMPE, MATTHEW, GB  
[71] NICVENTURES TRADING LIMITED, GB  
[85] 2023-10-20  
[86] 2022-04-21 (PCT/IB2022/053749)  
[87] (WO2022/224196)  
[30] US (63/178,322) 2021-04-22

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[21] **3,216,266**  
[13] A1

[51] Int.Cl. C10M 143/04 (2006.01)  
[25] EN  
**[54] ETHYLENE-PROPYLENE BRANCHED COPOLYMERS USED AS VISCOSITY MODIFIERS**  
**[54] COPOLYMERES RAMIFIES D'ETHYLENE-PROPYLENE UTILISES COMME AGENTS MODIFIANT LA VISCOSITE**  
[72] ZHANG, JINGWEN, US  
[72] JIANG, PEIJUN, US  
[72] CANICH, JO ANN M., US  
[72] HAGADORN, JOHN R., US  
[72] LIN, YEN-HAO, US  
[72] MATTLER, SARAH, US  
[72] ECKERT, CHASE A., US  
[72] REED, AARON, US  
[72] BARRY, ADRIAN G., US  
[72] ZHANG, SARA YUE, US  
[72] SEPEHR, MARYAM, US  
[72] MORGAN, DAVID L., US  
[71] EXXONMOBIL CHEMICAL PATENTS INC., US  
[71] CHEVRON ORONITE COMPANY LLC, US  
[85] 2023-10-20  
[86] 2022-05-11 (PCT/US2022/028709)  
[87] (WO2022/240946)  
[30] US (63/188,667) 2021-05-14

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[21] **3,216,267**  
[13] A1

[51] Int.Cl. A61K 47/10 (2017.01) A61P 31/04 (2006.01)  
[25] EN  
**[54] FOAM COMPOSITIONS FOR TREATING CLOSTRIDIODES DIFFICILE INFECTIONS**  
**[54] COMPOSITIONS DE MOUSSE POUR LE TRAITEMENT D'INFECTIONS A CLOSTRIDIODES DIFFICILE**  
[72] LAUB, GLENN W., US  
[71] TDL INNOVATIONS, LLC, US  
[85] 2023-10-20  
[86] 2022-04-22 (PCT/US2022/025934)  
[87] (WO2022/226300)  
[30] US (63/178,234) 2021-04-22

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**[21] 3,216,268**  
[13] A1

[51] Int.Cl. C12Q 1/6881 (2018.01) A61P 35/04 (2006.01) C07K 16/28 (2006.01) G06N 3/12 (2023.01)  
[25] EN  
[54] VACCINE FOR SARS-COV-2  
[54] VACCIN ANTI-SARS-COV-2  
[72] BURKHOLZ, SCOTT, US  
[72] RUBSAMEN, REID, US  
[72] MINROVIC, BRADLEY, US  
[72] SPENCER, COLIN, US  
[72] DELUCIA, NICHOLAS, US  
[71] FLOW PHARMA INC., US  
[85] 2023-10-20  
[86] 2022-04-22 (PCT/US2022/071869)  
[87] (WO2022/226535)  
[30] US (63/178,912) 2021-04-23

**[21] 3,216,269**  
[13] A1

[51] Int.Cl. E04B 1/21 (2006.01)  
[25] EN  
[54] CONCRETE BEAM AND SYSTEM THAT COMPRISSES SAID BEAM  
[54] POUTRE EN BETON ET SYSTEME COMPRENANT LADITE POUTRE  
[72] SANABRA LOEWE, MARC, ES  
[71] ELASTIC POTENTIAL, S.L., ES  
[85] 2023-10-20  
[86] 2022-04-22 (PCT/EP2022/060733)  
[87] (WO2022/223800)  
[30] ES (U202130827) 2021-04-22

**[21] 3,216,270**  
[13] A1

[51] Int.Cl. H02B 1/056 (2006.01) H02B 1/06 (2006.01) H02B 1/16 (2006.01) H02B 1/21 (2006.01) H02B 1/052 (2006.01)  
[25] EN  
[54] SOCKET SYSTEM  
[54] SYSTEME DE PRISE  
[72] KAMPF, MARTIN, CH  
[72] WICKI, TOBIAS, CH  
[71] HAGER INDUSTRIE AG, CH  
[85] 2023-10-20  
[86] 2022-04-21 (PCT/IB2022/053754)  
[87] (WO2022/224201)  
[30] DE (10 2021 110 327.4) 2021-04-22

**[21] 3,216,273**  
[13] A1

[51] Int.Cl. C07K 14/495 (2006.01) C07K 14/55 (2006.01) C07K 14/74 (2006.01)  
[25] EN  
[54] ANTIGEN PRESENTING POLYPEPTIDE COMPLEXES BEARING TGF-BETA AND METHODS OF USE THEREOF  
[54] COMPLEXES POLYPEPTIDIQUES DE PRÉSENTATION D'ANTIGÈNE PORTANT UN TGF-BETA ET LEURS MÉTHODES D'UTILISATION  
[72] SEIDEL, RONALD D. III, US  
[72] ROSS, JOHN F., US  
[72] LOW, CHEE MENG, US  
[71] CUE BIOPHARMA, INC., US  
[85] 2023-10-20  
[86] 2022-04-20 (PCT/US2022/025499)  
[87] (WO2022/226037)  
[30] US (63/177,951) 2021-04-21

**[21] 3,216,274**  
[13] A1

[51] Int.Cl. C07K 16/10 (2006.01) A61K 47/68 (2017.01) A61P 31/14 (2006.01)  
[25] EN  
[54] ANTIBODIES THAT BIND SARS-COV-2 SPIKE PROTEIN  
[54] ANTICORPS SE LIANT A LA PROTEINE DE SPICULE DU SARS-COV-2  
[72] TANHA, JAMSHID, CA  
[72] ROSSOTTI, MARTIN A., CA  
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA  
[85] 2023-10-20  
[86] 2022-04-22 (PCT/IB2022/053756)  
[87] (WO2022/224203)  
[30] CA (3,115,877) 2021-04-22

**[21] 3,216,275**  
[13] A1

[51] Int.Cl. H01R 4/30 (2006.01) H01R 4/56 (2006.01)  
[25] EN  
[54] TAP PLUGS  
[54] PRISES DE DERIVATION  
[72] HUGHES, DAVID CHARLES, US  
[71] HUBBELL CORPORATION, US  
[85] 2023-10-20  
[86] 2022-04-20 (PCT/US2022/025453)  
[87] (WO2022/226006)  
[30] US (63/178,369) 2021-04-22

**[21] 3,216,276**  
[13] A1

[51] Int.Cl. A61K 35/17 (2015.01) C07K 14/47 (2006.01) C07K 14/725 (2006.01)  
[25] EN  
[54] T CELL RECEPTORS DIRECTED AGAINST RAS-DERIVED RECURRENT NEOANTIGENS AND METHODS OF IDENTIFYING SAME  
[54] RECEPTEURS DES LYMPHOCYTES T DIRIGÉS CONTRE DES NEOANTIGENES RECURRENTS DERIVES DE RAS ET LEURS PROCEDES D'IDENTIFICATION  
[72] SAMUELS, YARDENA, IL  
[72] PERI, AVIYAH, IL  
[72] GREENSTEIN, EREZ, IL  
[72] ALON, MICHAL, IL  
[72] FRIEDMAN, NIR (DECEASED), XX  
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL  
[85] 2023-10-20  
[86] 2022-04-29 (PCT/IL2022/050443)  
[87] (WO2022/229966)  
[30] IL (282814) 2021-04-29  
[30] US (63/223,114) 2021-07-19

**[21] 3,216,277**  
[13] A1

[51] Int.Cl. A61K 47/34 (2017.01)  
[25] EN  
[54] MICROSPHERE FORMULATIONS COMPRISING MULTIPLE NON-IDENTICAL PEPTIDES AND METHODS FOR MAKING THE SAME  
[54] FORMULATIONS DE MICROSPHERES COMPRENANT DE MULTIPLES PEPTIDES NON IDENTIQUES ET LEURS PROCEDES DE FABRICATION  
[72] MINROVIC, BRADLEY, US  
[72] SPENCER, COLIN, US  
[72] DELUCIA, NICHOLAS, US  
[72] BURKHOLZ, SCOTT R., US  
[72] RUBSAMEN, REID, US  
[71] FLOW PHARMA INC., US  
[85] 2023-10-20  
[86] 2022-04-22 (PCT/US2022/071868)  
[87] (WO2022/226534)  
[30] US (63/178,888) 2021-04-23

## PCT Applications Entering the National Phase

<p style="text-align: right;"><b>[21] 3,216,278</b> [13] A1</p> <p>[51] Int.Cl. A61P 37/02 (2006.01) A61K 35/17 (2015.01) [25] EN [54] ANTIGEN PRESENTING POLYPEPTIDE COMPLEXES BEARING TGF-BETA AND METHODS OF USE THEREOF [54] COMPLEXES POLYPEPTIDIQUES DE PRESENTATION D'ANTIGENE PORTANT LE TGF-BETA ET LEURS METHODES D'UTILISATION [72] SEIDEL, III RONALD D., US [72] ROSS, JOHN F., US [72] LOW, CHEE MENG, US [71] CUE BIOPHARMA, INC., US [85] 2023-10-20 [86] 2022-04-20 (PCT/US2022/025526) [87] (WO2022/226054) [30] US (63/177,954) 2021-04-21</p>	<p style="text-align: right;"><b>[21] 3,216,280</b> [13] A1</p> <p>[51] Int.Cl. A61P 35/04 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 413/14 (2006.01) [25] EN [54] CLASS IIA HISTONE DEACETYLASE (HDAC) DEGRADER LIGANDS AND METHODS OF USE THEREOF [54] LIGANDS DE DEGRADATION DE L'HISTONE DESACETYLASE (HDAC) DE CLASSE IIA ET LEURS METHODES D'UTILISATION [72] FISCHER, ERIC S., US [72] XIONG, YUAN, US [72] DONOVAN, KATHERINE, US [71] DANA FARBER CANCER INSTITUTE, INC., US [85] 2023-10-20 [86] 2022-05-02 (PCT/US2022/027280) [87] (WO2022/235565) [30] US (63/183,358) 2021-05-03 [30] US (63/316,167) 2022-03-03</p>	<p style="text-align: right;"><b>[21] 3,216,283</b> [13] A1</p> <p>[51] Int.Cl. C12C 12/04 (2006.01) A23L 33/18 (2016.01) C12C 11/11 (2019.01) [25] EN [54] ALCOHOL-FREE BEER ENRICHED WITH PROTEINS AND METHOD FOR THE MANUFACTURE THEREOF [54] BIERE SANS ALCOOL ENRICHEE EN PROTEINES ET SON PROCEDE DE FABRICATION [72] D'HOORE, LAURENS ALEXANDER, BE [72] THESSELING, FLORIAN ALEXANDER LUDGER NORBERT, BE [72] VERSTREGEN, KEVIN JOAN, BE [72] SPAEPEN, STIJN LOUIS URSULA, BE [71] THRIVE BV, BE [85] 2023-10-20 [86] 2022-04-22 (PCT/EP2022/060758) [87] (WO2022/223812) [30] BE (BE2021/5317) 2021-04-23</p>
<p style="text-align: right;"><b>[21] 3,216,279</b> [13] A1</p> <p>[25] EN [54] ADJUVANTED VACCINE COMPOSITION AND METHODS [54] COMPOSITION DE VACCIN AVEC ADJUVANT ET PROCEDES ASSOCIES [72] BOWE, MICHAEL, US [72] WRIGHT, DAVID CRAIG, US [71] D4 LABS, LLC, US [85] 2023-10-20 [86] 2022-04-20 (PCT/US2022/025622) [87] (WO2022/226108) [30] US (63/177,085) 2021-04-20</p>	<p style="text-align: right;"><b>[21] 3,216,282</b> [13] A1</p> <p>[51] Int.Cl. B01D 69/02 (2006.01) B01D 69/12 (2006.01) B01D 71/68 (2006.01) [25] EN [54] CROSS-LINKED ZWITTERIONIC POLYMER NETWORK AND THEIR USE IN MEMBRANE FILTERS [54] RESEAU DE POLYMERES ZWITTERIONIQUES RETICULES ET SON UTILISATION DANS DES FILTRES A MEMBRANE [72] ALEXIOU, AYSE ASATEKIN, US [72] MONDAL, ABHISHEK NARAYAN, US [72] LOUNDER, SAMUEL J., US [71] TRUSTEES OF TUFTS COLLEGE, US [85] 2023-10-20 [86] 2022-04-22 (PCT/US2022/025981) [87] (WO2022/226329) [30] US (63/178,072) 2021-04-22</p>	<p style="text-align: right;"><b>[21] 3,216,284</b> [13] A1</p> <p>[25] EN [54] APPARATUS AND METHOD FOR REMOVING TISSUE [54] APPAREIL ET PROCEDE D'ELIMINATION DE TISSU [72] TALIC, RONI, IL [72] SHALVI, ZVI, IL [71] ORCA SURGICAL LTD., IL [85] 2023-10-20 [86] 2022-04-28 (PCT/IL2022/050436) [87] (WO2022/229960) [30] US (63/181,532) 2021-04-29 [30] US (63/296,194) 2022-01-04</p>

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[21] 3,216,285  
[13] A1

[25] EN  
**[54] COMPOSITIONS AND METHODS FOR IN VIVO NUCLEASE-MEDIATED GENE TARGETING FOR THE TREATMENT OF GENETIC DISORDERS**  
**[54] COMPOSITIONS ET METHODES DE CIBLAGE DE GENE A MEDIATION PAR NUCLEASE IN VIVO POUR LE TRAITEMENT DE TROUBLES GENETIQUES**  
[72] WANG, LILI, US  
[72] WILSON, JAMES M., US  
[72] TRETIKOVA, ANNA, US  
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US  
[85] 2023-10-20  
[86] 2022-04-27 (PCT/US2022/026483)  
[87] (WO2022/232232)  
[30] US (63/180,603) 2021-04-27  
[30] US (63/242,474) 2021-09-09  
[30] US (63/301,933) 2022-01-21  
[30] US (63/244,205) 2021-09-14  
[30] US (63/331,385) 2022-04-15

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[21] 3,216,289  
[13] A1

[51] Int.Cl. F04D 25/16 (2006.01) C25B 1/04 (2021.01) F04B 23/10 (2006.01) F04B 23/14 (2006.01)  
[25] EN  
**[54] HYDROGEN COMPRESSING ASSEMBLY, HYDROGEN PRODUCTION PLANT, AND COMPRESSING METHOD**  
**[54] ENSEMBLE DE COMPRESSION D'HYDROGÈNE, INSTALLATION DE PRODUCTION D'HYDROGÈNE ET PROCÉDÉ DE COMPRESSION**  
[72] CANGIOLI, FRANCESCO, IT  
[72] BERTERAME, DOMENICO, IT  
[72] GRIMALDI, ANGELO, IT  
[72] GUGLIELMO, ALBERTO, IT  
[72] BASSANI, SIMONE, IT  
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT  
[85] 2023-10-20  
[86] 2022-04-21 (PCT/EP2022/025169)  
[87] (WO2022/228721)  
[30] IT (102021000010460) 2021-04-26

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[21] 3,216,292  
[13] A1

[51] Int.Cl. F04D 25/16 (2006.01) C25B 1/04 (2021.01)  
[25] EN  
**[54] HYDROGEN COMPRESSING ASSEMBLY, HYDROGEN PRODUCTION PLANT, AND COMPRESSING METHOD**  
**[54] ENSEMBLE DE COMPRESSION D'HYDROGÈNE, INSTALLATION DE PRODUCTION D'HYDROGÈNE ET PROCÉDÉ DE COMPRESSION**  
[72] CANGIOLI, FRANCESCO, IT  
[72] BERTERAME, DOMENICO, IT  
[72] GRIMALDI, ANGELO, IT  
[72] GUGLIELMO, ALBERTO, IT  
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT  
[85] 2023-10-20  
[86] 2022-04-21 (PCT/EP2022/025168)  
[87] (WO2022/228720)  
[30] IT (102021000010475) 2021-04-26

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[21] 3,216,286  
[13] A1

[25] EN  
**[54] INDICATION METHOD, REFERENCE SIGNAL SENDING METHOD, COMMUNICATION NODE, AND STORAGE MEDIUM**  
**[54] PROCÉDÉ D'INDICATION, PROCÉDÉ D'ENVOI DE SIGNAL DE RÉFÉRENCE, N°UD DE COMMUNICATION ET SUPPORT DE STOCKAGE**  
[72] WANG, YUXIN, CN  
[72] WU, HAO, CN  
[72] LU, ZHAOHUA, CN  
[72] LI, YONG, CN  
[71] ZTE CORPORATION, CN  
[85] 2023-10-20  
[86] 2022-07-21 (PCT/CN2022/107007)  
[87] (WO2023/077871)  
[30] CN (202111307869.7) 2021-11-05

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[21] 3,216,291  
[13] A1

[51] Int.Cl. B65D 77/40 (2006.01)  
[25] EN  
**[54] POD FOR BEVERAGE PREPARATION INGREDIENT**  
[54]  
[72] BEDFORD, EDWARD ALEXANDER, US  
[72] GOLDSTEIN, DAVID MARC, US  
[72] DAMIGELLA, JOSEPH, US  
[72] FARRAR, WAYNE, GB  
[71] NE INNOVATIONS LIMITED, GB  
[85] 2023-10-20  
[86] 2022-04-22 (PCT/GB2022/051026)  
[87] (WO2022/223988)  
[30] GB (2105761.7) 2021-04-22

## PCT Applications Entering the National Phase

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<p>[21] 3,216,293 [13] A1</p> <p>[51] Int.Cl. C07D 453/02 (2006.01) A61P 25/16 (2006.01)</p> <p>[25] EN</p> <p>[54] NOVEL COMPOUNDS HAVING INHIBITORY ACTIVITY AGAINST GLUCOSYLCERAMIDE SYNTHASE OR PHARMACEUTICALLY ACCEPTABLE SALT THEREOF, PROCESSES FOR PREPARING THE SAME, AND PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME</p> <p>[54] NOUVEAUX COMPOSES AYANT UNE ACTIVITE INHIBITRICE CONTRE LA GLUCOSYLCERAMIDE SYNTHASE OU SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CEUX-CI, LEURS PROCEDES DE PREPARATION, ET COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT</p> <p>[72] KIM, DONG-HOON, KR [72] JOO, JAE-EUN, KR [72] SHIN, SEUNG-YUB, KR [72] KWON, SOOL-KI, KR [72] PARK, JONG-SUK, KR [71] YUHAN CORPORATION, KR [71] GREEN CROSS CORPORATION, KR [85] 2023-10-20 [86] 2022-05-10 (PCT/KR2022/006613) [87] (WO2022/240116) [30] KR (10-2021-0060942) 2021-05-11</p>
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<p>[21] 3,216,294 [13] A1</p> <p>[51] Int.Cl. C07D 471/04 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOUNDS [54] COMPOSES</p> <p>[72] JONES, CLIFFORD D., GB [72] BHAMRA, INDER, GB [71] REDX PHARMA PLC., GB [85] 2023-10-20 [86] 2022-05-27 (PCT/GB2022/051367) [87] (WO2022/248885) [30] GB (2107637.7) 2021-05-28 [30] GB (2118635.8) 2021-12-21</p>
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<p>[21] 3,216,295 [13] A1</p> <p>[51] Int.Cl. A47K 10/38 (2006.01)</p> <p>[25] EN</p> <p>[54] DISPENSER WITH ROLL TRANSFER MECHANISM</p> <p>[54] DISTRIBUTEUR DOTE D'UN MECANISME DE TRANSFERT DE ROULEAU</p> <p>[72] LEWIS, RICHARD P., US [72] ERZEN, KLEMEN, US [71] KIMBERLY-CLARK WORLDWIDE, INC., US [85] 2023-10-20 [86] 2021-04-27 (PCT/US2021/029334) [87] (WO2022/231573)</p>
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<p>[21] 3,216,298 [13] A1</p> <p>[51] Int.Cl. C01B 3/38 (2006.01)</p> <p>[25] EN</p> <p>[54] PROCESS AND PLANT FOR THE PRODUCTION OF SYNTHESIS GAS AND GENERATION OF PROCESS CONDENSATE</p> <p>[54] PROCEDE ET INSTALLATION DE PRODUCTION DE GAZ DE SYNTHESE ET GENERATION DE CONDENSAT DE TRAITEMENT</p> <p>[72] DAHL, PER JUUL, DK [71] TOPSOE A/S, DK [85] 2023-10-20 [86] 2022-05-23 (PCT/EP2022/063905) [87] (WO2022/248406) [30] DK (PA202100545) 2021-05-25</p>
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<p>[21] 3,216,299 [13] A1</p> <p>[25] EN</p> <p>[54] FIBERGLASS INSULATION BACKED SOUND MAT</p> <p>[54] TAPIS ACOUSTIQUE A DOS ISOLANT EN FIBRE DE VERRE</p> <p>[72] MULLET, RANDY, US [72] MACDONALD, ALEX, US [71] UNITED STATES GYPSUM COMPANY, US [85] 2023-10-20 [86] 2022-04-22 (PCT/US2022/071867) [87] (WO2022/232757) [30] US (63/180,436) 2021-04-27 [30] US (17/648,507) 2022-01-20</p>
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<p>[21] 3,216,300 [13] A1</p> <p>[51] Int.Cl. G06F 21/55 (2013.01)</p> <p>[25] EN</p> <p>[54] SECURE MIL-STD-1553 DATA BUS</p> <p>[54] BUS DE DONNEES MIL-STD-1553 SECURISE</p> <p>[72] GRIGORIAN, SAM, US [72] UHL, TIM, US [71] ABACO SYSTEMS, INC., US [85] 2023-10-20 [86] 2021-04-30 (PCT/US2021/030121) [87] (WO2022/231617)</p>
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[21] 3,216,301  
[13] A1

[51] Int.Cl. C07K 1/04 (2006.01) C40B 50/18 (2006.01)  
[25] EN  
[54] METHOD FOR PREPARING A LIBRARY OF PEPTIDES OR A PEPTIDE  
[54] PROCEDE DE PREPARATION D'UNE BIBLIOTHEQUE DE PEPTIDES OU D'UN PEPTIDE  
[72] HEINIS, CHRISTIAN, CH  
[72] HABESHIAN, SEVAN, CH  
[72] MOTHUKURI, GANESH KUMAR, CH  
[72] SCHUTTEL, MISCHA, CH  
[72] MERZ, MANUEL, CH  
[72] SANGOUARD, GONTRAN, CH  
[72] BOGNAR, ZSOLT, CH  
[72] NIELSEN, ALEXANDER LUND, CH  
[71] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH  
[85] 2023-10-20  
[86] 2022-04-27 (PCT/EP2022/061138)  
[87] (WO2022/242993)  
[30] EP (21174036.0) 2021-05-17

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[21] 3,216,302  
[13] A1

[51] Int.Cl. H04W 4/38 (2018.01) G06Q 10/06 (2023.01)  
[25] EN  
[54] BEVERAGE DISPENSING MACHINE NETWORK  
[54] RESEAU DE MACHINES DE DISTRIBUTION DE BOISSONS  
[72] KENNEDY, DAVID, CA  
[71] VENDOMETRY INC., CA  
[85] 2023-10-20  
[86] 2022-04-21 (PCT/CA2022/050613)  
[87] (WO2022/221955)  
[30] US (63/177,756) 2021-04-21

[21] 3,216,303  
[13] A1

[51] Int.Cl. A61K 9/54 (2006.01) A61P 1/16 (2006.01) A61P 13/12 (2006.01)  
[25] EN  
[54] CAPSULE FOR SPECIFIC DRUG DELIVERY AND PREPARATION METHOD THEREFOR  
[54] CAPSULE POUR ADMINISTRATION DE MEDICAMENT SPECIFIQUE ET SON PROCEDE DE PREPARATION  
[72] SUN, HAIFENG, CN  
[72] WANG, WEIBI, CN  
[72] WANG, WEI, CN  
[72] WANG, JIE, CN  
[72] CAO, XIAOLI, CN  
[72] MO, ZHIRONG, CN  
[71] JIANGSU HENGRIU PHARMACEUTICALS CO., LTD., CN  
[85] 2023-10-20  
[86] 2022-04-20 (PCT/CN2022/087994)  
[87] (WO2022/222972)  
[30] CN (202110423824.X) 2021-04-20

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[21] 3,216,305  
[13] A1

[51] Int.Cl. G10K 11/16 (2006.01) G10K 11/162 (2006.01)  
[25] FR  
[54] DEVICE FOR THE ACOUSTIC INSULATION OF A MOTOR VEHICLE GLAZING  
[54] DISPOSITIF D'ISOLATION ACOUSTIQUE D'UN VITRAGE AUTOMOBILE  
[72] JACQUIS, GARY, FR  
[72] IURASOV, VOLODYMYR, FR  
[72] BERGER, SYLVAIN, FR  
[72] MERCIER, GERALD, FR  
[72] BOURE, JEAN-PHILIPPE, FR  
[71] SAINT-GOBAIN GLASS FRANCE, FR  
[85] 2023-10-20  
[86] 2022-04-29 (PCT/FR2022/050836)  
[87] (WO2022/229582)  
[30] FR (2104522) 2021-04-29

[21] 3,216,306  
[13] A1

[51] Int.Cl. B29C 44/38 (2006.01)  
[25] EN  
[54] METHOD FOR FORMING A MOLDED FIBER PRODUCT AND A MOLDED FIBER PRODUCT  
[54] METHODE DE FORMATION D'UN PRODUIT FIBREUX MOULE ET PRODUIT FIBREUX MOULE  
[72] HAAVANLAMMI, ARTO, FI  
[72] TUOMINEN, JARKKO, FI  
[71] METSA SPRING OY, FI  
[71] VALMET TECHNOLOGIES OY, FI  
[85] 2023-10-20  
[86] 2022-04-20 (PCT/FI2022/050257)  
[87] (WO2022/223880)  
[30] EP (21169444.3) 2021-04-20

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[21] 3,216,307  
[13] A1

[25] EN  
[54] POLARIZING LIGHT FILTER  
[54] FILTRE DE LUMIERE POLARISANT  
[72] EBLAGON, FERNANDO ANDRES, PT  
[72] DE NEIVA MOURA BASTOS, RUI FRANCISCO, PT  
[71] LANKHORST TOUWFABRIEKEN B.V., NL  
[85] 2023-10-20  
[86] 2022-09-09 (PCT/NL2022/050510)  
[87] (WO2023/038523)  
[30] NL (2029163) 2021-09-09

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[21] 3,216,308  
[13] A1

[25] EN  
[54] NEGATIVE-STRAND RNA VIRAL VECTOR AND PLANT GENOME EDITING METHOD WITHOUT TRANSFORMATION  
[54] VECTEUR VIRAL D'ARN A BRIN NEGATIF ET PROCEDE D'EDITION DE GENOME DE PLANTE SANS TRANSFORMATION  
[72] LI, ZHENGHE, CN  
[72] LIU, QIAN, CN  
[72] ZHAO, CHENGLU, CN  
[71] ZHEJIANG UNIVERSITY, CN  
[85] 2023-10-20  
[86] 2022-04-21 (PCT/CN2022/088299)  
[87] (WO2022/223010)  
[30] CN (202110431464.8) 2021-04-21

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[21] **3,216,309**  
[13] A1

[51] Int.Cl. H04L 9/40 (2022.01) G06F  
21/10 (2013.01)  
[25] EN  
[54] CIPHER TEXT VALIDATION  
[54] VALIDATION DE TEXTE  
CHIFFRE  
[72] DAHLSTROM, ANDREAS, SE  
[71] HIVE STREAMING AB, SE  
[85] 2023-10-20  
[86] 2022-04-22 (PCT/SE2022/050394)  
[87] (WO2022/231502)  
[30] SE (2150527-6) 2021-04-26

[21] **3,216,310**  
[13] A1

[25] EN  
[54] A SPLIT-DECK SCREENING  
DEVICE FOR SCREENING BULK  
MATERIAL  
[54] DISPOSITIF DE CRIBLAGE A  
PLATEAU DIVISE POUR  
CRIBLER DES PRODUITS EN  
VRAC  
[72] BEATTIE, STEPHEN, GB  
[72] KELLY, STEPHEN, GB  
[71] SANDVIK LTD, GB  
[85] 2023-10-20  
[86] 2022-05-10 (PCT/EP2022/062547)  
[87] (WO2022/248206)  
[30] EP (21176244.8) 2021-05-27

[21] **3,216,311**  
[13] A1

[51] Int.Cl. E21B 19/089 (2006.01) E21B  
7/06 (2006.01) E21B 7/24 (2006.01)  
E21B 19/08 (2006.01)  
[25] EN  
[54] ORIENTABLE WEIGHT BAR FOR  
A DOWNHOLE TOOL AND  
METHOD OF USING SAME  
[54] BARRE DE POIDS ORIENTABLE  
POUR OUTIL DE FOND DE TROU  
ET SON PROCEDE  
D'UTILISATION  
[72] BRYANT, CAMERON MICHAEL, US  
[72] ANTHONY, JAMES WILLIAM, US  
[72] LOGAN, JEREMY QUENTIN, US  
[71] GR ENERGY SERVICES  
MANAGEMENT, L.P., US  
[85] 2023-10-20  
[86] 2022-04-22 (PCT/US2022/026055)  
[87] (WO2022/226379)  
[30] US (63/178,451) 2021-04-22

[21] **3,216,312**  
[13] A1

[51] Int.Cl. A01D 41/127 (2006.01) A01D  
41/14 (2006.01)  
[25] EN  
[54] SYSTEMS AND METHODS FOR  
CONTROLLING SPEED AND  
DIRECTION OF A LATERAL  
CONVEYOR OF AN  
AGRICULTURAL HEADER  
[54] SYSTEMES ET PROCEDES DE  
COMMANDE DE VITESSE ET DE  
DIRECTION D'UN  
TRANSPORTEUR LATERAL  
D'UNE TABLE DE COUPE  
AGRICOLE

[72] HUNT, CORY DOUGLAS, US  
[72] MARTIN, JETHRO, US  
[71] CNH INDUSTRIAL AMERICA LLC,  
US  
[85] 2023-10-20  
[86] 2022-04-27 (PCT/US2022/026502)  
[87] (WO2022/232244)  
[30] US (63/180,844) 2021-04-28

[21] **3,216,313**  
[13] A1

[51] Int.Cl. A61K 35/761 (2015.01) A61K  
35/763 (2015.01) A61K 35/76  
(2015.01) C07K 14/47 (2006.01)  
[25] EN  
[54] MYOTONIC DYSTROPHY TYPE 1  
THERAPEUTIC DRUG  
[54] MEDICAMENT THERAPEUTIQUE  
POUR DYSTROPHIE  
MYOTONIQUE DE TYPE 1  
[72] NAKAMORI, MASAYUKI, JP  
[72] YAGI, YUSUKE, JP  
[72] IMAI, TAKAYOSHI, JP  
[72] OKII, ERIKA, JP  
[72] TAMAI, TAKAYUKI, JP  
[72] NINOMIYA, RISA, JP  
[71] EDITFORCE, INC., JP  
[85] 2023-10-20  
[86] 2022-04-27 (PCT/JP2022/019038)  
[87] (WO2022/230924)  
[30] JP (2021-077262) 2021-04-30

[21] **3,216,314**  
[13] A1

[51] Int.Cl. H04W 52/36 (2009.01) H04W  
52/54 (2009.01)  
[25] EN  
[54] PHR PROCEDURE FOR SDT  
[54] PROCEDURE DE PHR POUR SDT  
[72] TURTINEN, SAMULI HEIKKI, FI  
[72] KOSKINEN, JUSSI-PEKKA, FI  
[72] WU, CHUNLI, CN  
[72] LASELVA, DANIELA, DK  
[71] NOKIA TECHNOLOGIES OY, FI  
[85] 2023-10-20  
[86] 2021-05-08 (PCT/CN2021/092478)  
[87] (WO2022/236500)

[21] **3,216,315**  
[13] A1

[25] EN  
[54] LED LAMP TO PROMOTE PLANT  
GROWTH  
[54] LAMPE A DEL POUR FAVORISER  
LA CROISSANCE DES PLANTES  
[72] FABIANO, ROBERTO, IT  
[72] SPINA, EMANUELE, IT  
[71] INNOVATION GREEN  
TECHNOLOGY S.R.L., IT  
[85] 2023-10-20  
[86] 2021-09-06 (PCT/IB2021/058098)  
[87] (WO2022/224031)  
[30] IT (102021000010328) 2021-04-23

[21] **3,216,316**  
[13] A1

[51] Int.Cl. A61N 1/02 (2006.01) G06N  
3/02 (2006.01) G06N 3/08 (2023.01)  
G06N 20/00 (2019.01)  
[25] EN  
[54] PHYSICS AWARE TRAINING FOR  
DEEP PHYSICAL NEURAL  
NETWORKS  
[54] APPRENTISSAGE SENSIBLE A LA  
PHYSIQUE POUR RESEAUX  
NEURONAUX PHYSIQUES  
PROFONDS  
[72] WRIGHT, LOGAN G., US  
[72] ONODERA, TATSUHIRO, US  
[72] MCMAHON, PETER L., US  
[72] STEIN, MARTIN, US  
[71] NTT RESEARCH, INC., US  
[85] 2023-10-20  
[86] 2022-04-21 (PCT/US2022/025830)  
[87] (WO2022/226235)  
[30] US (63/178,318) 2021-04-22

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[21] **3,216,317**

[13] A1

[51] **Int.Cl. H02G 7/05 (2006.01)**

[25] EN

**[54] BUSHING GUARD WITH TERMINAL ADAPTER**

**[54] PROTECTION DE DOUILLE AVEC ADAPTATEUR DE BORNE**

[72] HERMAN, KYLE RANDY, US

[71] HUBBELL INCORPORATED, US

[85] 2023-10-20

[86] 2022-04-27 (PCT/US2022/026512)

[87] (WO2022/232251)

[30] US (63/181,502) 2021-04-29

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[21] **3,216,318**

[13] A1

[51] **Int.Cl. A47G 9/08 (2006.01)**

[25] EN

**[54] SLEEPING BAG CAPABLE OF BEING A STRETCHER**

**[54] SAC DE COUCHAGE TRANSFORMABLE EN BRANCARD**

[72] DIREKCI, FATIH, TR

[71] DIREKCI, FATIH, TR

[85] 2023-10-20

[86] 2022-04-19 (PCT/TR2022/050346)

[87] (WO2022/231550)

[30] TR (2021/007211) 2021-04-27

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[21] **3,216,319**

[13] A1

[51] **Int.Cl. F04C 18/16 (2006.01) F04C 29/00 (2006.01) F04C 29/02 (2006.01) F04C 29/04 (2006.01)**

[25] EN

**[54] GAS COMPRESSION SYSTEM**

**[54] SYSTEME DE COMPRESSION DE GAZ**

[72] WANG, CHUNLIN, CN

[71] ATLAS COPCO (WUXI) COMPRESSOR CO., LTD., CN

[85] 2023-10-20

[86] 2022-06-16 (PCT/CN2022/099266)

[87] (WO2023/273907)

[30] CN (202110744471.3) 2021-07-01

[30] BE (BE 2022/5335) 2022-05-04

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[21] **3,216,320**

[13] A1

[25] EN

**[54] METHODS OF EVALUATING BRAIN INJURY IN A PEDIATRIC SUBJECT**

**[54] PROCEDES D'EVALUATION D'UNE LESION CEREBRALE CHEZ UN SUJET EN PEDIATRIE**

[72] MCQUISTON, BETH, US

[72] DATWYLER, SAUL, US

[72] CHANDRAN, RAJ, US

[72] ZHANG, HONGWEI, US

[72] MARINO, JAIME, US

[71] ABBOTT LABORATORIES, US

[85] 2023-10-20

[86] 2022-05-18 (PCT/US2022/029798)

[87] (WO2022/245920)

[30] US (63/189,757) 2021-05-18

[30] US (63/192,370) 2021-05-24

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[21] **3,216,321**

[13] A1

[51] **Int.Cl. H02K 5/20 (2006.01) H02K 9/06 (2006.01)**

[25] EN

**[54] COMPRESSOR, REFRIGERATION SYSTEM, AND REFRIGERATION APPARATUS**

**[54] COMPRESSEUR, SYSTEME DE REFRIGERATION ET APPAREIL DE REFRIGERATION**

[72] WU, XIN, CN

[72] LI, ZHENSHAN, CN

[72] WU, WENHUI, CN

[71] CHONGQING MIDEA GENERAL REFRIGERATION EQUIPMENT CO., LTD., CN

[71] MIDEA GROUP CO., LTD., CN

[85] 2023-10-20

[86] 2021-09-29 (PCT/CN2021/121780)

[87] (WO2022/237057)

[30] CN (202110508906.4) 2021-05-11

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[21] **3,216,322**

[13] A1

[51] **Int.Cl. A23G 3/54 (2006.01)**

[25] EN

**[54] EFFERVESCENT ORAL COMPOSITION**

**[54] COMPOSITION ORALE EFFERVESCENTE**

[72] DANIEL, MICHAEL S., US

[72] ALDERMAN, STEVEN LEE, GB

[72] ODEN, ROSS JAY, GB

[71] NICOVENTURES TRADING LIMITED, GB

[85] 2023-10-20

[86] 2022-04-21 (PCT/IB2022/053750)

[87] (WO2022/224197)

[30] US (63/178,316) 2021-04-22

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[21] **3,216,323**

[13] A1

[51] **Int.Cl. A24B 15/16 (2020.01)**

[25] EN

**[54] ORAL LOZENGE PRODUCTS**

**[54] PRODUITS A BASE DE PASTILLES ORALES**

[72] SIEVERT, JAMES, US

[72] VON COSMOS, NICOLAS, GB

[72] LAMPE, MATTHEW, GB

[72] ALDERMAN, STEVEN LEE, GB

[72] POOLE, THOMAS H., GB

[72] ZAWADZKI, MICHAEL ANDREW, GB

[72] SMITH, CHARLOTTE, GB

[71] NICOVENTURES TRADING LIMITED, GB

[85] 2023-10-20

[86] 2022-04-21 (PCT/IB2022/053751)

[87] (WO2022/224198)

[30] US (63/178,276) 2021-04-22

[30] US (63/250,858) 2021-09-30

## PCT Applications Entering the National Phase

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<p>[21] 3,216,324 [13] A1</p> <p>[51] Int.Cl. C07K 16/28 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTI-SIGLEC COMPOSITIONS AND USES THEREOF</p> <p>[54] COMPOSITIONS ANTI-SIGLEC ET UTILISATIONS ASSOCIEES</p> <p>[72] LIU, YANG, US</p> <p>[72] ZHENG, PAN, US</p> <p>[72] DEVENPORT, MARTIN, US</p> <p>[72] LIU, MINGYUE, US</p> <p>[71] ONCOC4, INC., US</p> <p>[71] UNIVERSITY OF MARYLAND, BALTIMORE, US</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-29 (PCT/US2022/027006)</p> <p>[87] (WO2022/232558)</p> <p>[30] US (63/182,271) 2021-04-30</p>
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<p>[21] 3,216,325 [13] A1</p> <p>[51] Int.Cl. C07D 263/57 (2006.01) A61K 31/423 (2006.01) A61P 9/00 (2006.01) A61P 25/28 (2006.01)</p> <p>[25] EN</p> <p>[54] A SOLID STATE FORM OF TAFAMIDIS AND A PROCESS FOR ITS PREPARATION</p> <p>[54] FORME SOLIDE DE TAFAMIDIS ET SON PROCEDE DE PREPARATION</p> <p>[72] BARRECA, GIUSEPPE, IT</p> <p>[72] CARCONE, LUCA, IT</p> <p>[72] PARAVIDINO, PIERO, IT</p> <p>[72] PENGO, DANIELE, IT</p> <p>[72] ZAMPIERI, MASSIMO, IT</p> <p>[72] HUANG, LIMING, CN</p> <p>[71] QUIMICA SINTETICA, S.A., ES</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-22 (PCT/EP2022/060716)</p> <p>[87] (WO2022/229026)</p> <p>[30] EP (21382362.8) 2021-04-26</p>
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<p>[21] 3,216,326 [13] A1</p> <p>[51] Int.Cl. A61J 1/10 (2006.01) A61J 1/14 (2006.01)</p> <p>[25] EN</p> <p>[54] MEDICAMENT CONTAINER</p> <p>[54] RECIPIENT POUR MEDICAMENTS</p> <p>[72] HAYASHI, YUKI, US</p> <p>[72] NAKAMURA, MASAYA, US</p> <p>[71] ELI LILLY AND COMPANY, US</p> <p>[71] FUJIMORI KOGYO CO., LTD., JP</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-27 (PCT/US2022/026425)</p> <p>[87] (WO2022/232198)</p> <p>[30] US (63/182,073) 2021-04-30</p>
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<p>[21] 3,216,327 [13] A1</p> <p>[51] Int.Cl. A24B 15/16 (2020.01) A24B 15/38 (2006.01)</p> <p>[25] EN</p> <p>[54] ORAL COMPOSITIONS AND METHODS OF MANUFACTURE</p> <p>[54] COMPOSITIONS DESTINEES A ETRE ADMINISTREES PAR VOIE ORALE ET PROCEDES DE PRODUCTION</p> <p>[72] SIEVERT, JAMES, US</p> <p>[72] VON COSMOS, NICOLAS, GB</p> <p>[72] LAMPE, MATTHEW E., GB</p> <p>[72] ALDERMAN, STEVEN LEE, GB</p> <p>[72] POOLE, THOMAS H., GB</p> <p>[71] NICOVENTURES TRADING LIMITED, GB</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-21 (PCT/IB2022/053753)</p> <p>[87] (WO2022/224200)</p> <p>[30] US (63/178,362) 2021-04-22</p> <p>[30] US (63/250,862) 2021-09-30</p>
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<p>[21] 3,216,328 [13] A1</p> <p>[51] Int.Cl. A61K 31/417 (2006.01) A61K 31/418 (2006.01) A61P 27/06 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND COMPOSITIONS FOR TREATING MYDRIASIS, GLAUCOMA, AND OTHER OCULAR CONDITIONS</p> <p>[54] METHODES ET COMPOSITIONS DESTINEES AU TRAITEMENT DE LA MYDRIASE, DU GLAUCOME ET D'AUTRES AFFECTIONS OCULAIRES</p> <p>[72] PEPOSE, JAY STUART, US</p> <p>[72] LAZAR, ELIOT STUART, US</p> <p>[72] SOOCH, MINA, US</p> <p>[72] MEYER, ALAN R., US</p> <p>[72] CHARIZANIS, KONSTANTINOS, US</p> <p>[72] HOFFMANN, BERNHARD, US</p> <p>[72] PITLICK, WILLIAM H., US</p> <p>[71] OCUPHIRE PHARMA, INC., US</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-22 (PCT/US2022/025912)</p> <p>[87] (WO2022/226286)</p> <p>[30] US (63/178,578) 2021-04-23</p>
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<p>[21] 3,216,329 [13] A1</p> <p>[51] Int.Cl. C07K 14/705 (2006.01) A61K 38/48 (2006.01) A61P 31/14 (2006.01) C07K 7/08 (2006.01)</p> <p>[25] EN</p> <p>[54] NOVEL COMPOSITIONS AND METHODS FOR TREATING CORONAVIRUS INFECTIONS</p> <p>[54] NOUVELLES COMPOSITIONS ET NOUVELLES METHODES DE TRAITEMENT D'INFECTIONS A CORONAVIRUS</p> <p>[72] RAO, SUDHA, AU</p> <p>[71] THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, AU</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-20 (PCT/AU2022/050363)</p> <p>[87] (WO2022/221920)</p> <p>[30] AU (2021901169) 2021-04-20</p> <p>[30] AU (2022900358) 2022-02-18</p>
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<p>[21] 3,216,330 [13] A1</p> <p>[51] Int.Cl. A61K 47/60 (2017.01) A61K 47/68 (2017.01) A61K 31/7048 (2006.01) A61K 45/06 (2006.01) A61P 1/16 (2006.01)</p> <p>[25] EN</p> <p>[54] THERAPEUTIC USE OF COMBINATION INCLUDING TRIPLE AGONIST HAVING ACTIVITIES TO ALL OF GLUCAGON, GLP-1, AND GIP RECEPTORS</p> <p>[54] UTILISATION THERAPEUTIQUE D'UNE COMBINAISON COMPRENANT UN TRIPLE ACTIVATEUR PRESENTANT UNE ACTIVITE SUR L'ENSEMBLE DES RECEPTEURS SUIVANTS : AU GLUCAGON, GLP-1 ET GIP</p> <p>[72] LEE, JONG SUK, KR [72] KIM, YO HAN, KR [72] KIM, JUNG KUK, KR [72] LEE, SANG HYUN, KR [71] HANMI PHARM. CO., LTD., KR [85] 2023-10-20 [86] 2022-06-30 (PCT/KR2022/009449) [87] (WO2023/277620) [30] KR (10-2021-0086014) 2021-06-30</p>
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<p>[21] 3,216,332 [13] A1</p> <p>[25] EN</p> <p>[54] SIRNA TARGETING 17B-HYDROXYSTEROID DEHYDROGENASE TYPE 13 AND SIRNA CONJUGATE</p> <p>[54] ARNSI CIBLANT LA 17B-HYDROXYSTEROIDE DESHYDROGENASE DE TYPE 13 ET CONJUGUE D'ARNSI</p> <p>[72] HUANG, JINYU, CN [72] HUANG, YANFEN, CN [72] LUO, MIN, CN [72] ZHANG, FANG, CN [71] TUOJIE BIOTECH (SHANGHAI) CO., LTD., CN [85] 2023-10-20 [86] 2022-04-22 (PCT/CN2022/088351) [87] (WO2022/223015) [30] CN (202110435243.8) 2021-04-22</p>
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<p>[21] 3,216,334 [13] A1</p> <p>[51] Int.Cl. G06Q 40/02 (2023.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR PROVIDING VIRTUAL SERVICES</p> <p>[54] PROCEDE ET SYSTEME DE FOURNITURE DE SERVICES VIRTUELS</p> <p>[72] ECKERT, JURGEN, DE [72] HORF, MICHAEL, DE [72] SCHARDT, AXEL, DE [71] DEGUSSA BANK AG, DE [85] 2023-10-20 [86] 2022-05-11 (PCT/EP2022/025218) [87] (WO2022/223152)</p>
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<p>[21] 3,216,333 [13] A1</p> <p>[51] Int.Cl. G06F 21/60 (2013.01) G06F 16/22 (2019.01) G06F 16/27 (2019.01)</p> <p>[25] EN</p> <p>[54] CUSTOM MEMPOOL PROTOCOL ASSOCIATED WITH PROCESSING OF CRYPTOGRAPHIC EVENTS</p> <p>[54] PROTOCOLE DE BASSIN DE TRANSACTIONS PERSONNALISE ASSOCIE AU TRAITEMENT D'EVENEMENTS CRYPTOGRAPHIQUES</p> <p>[72] BENNETT, SHELDON, CA [72] GLOVER, ADRIAN, CA [71] DMG BLOCKCHAIN SOLUTIONS INC., CA [71] BENNETT, SHELDON, CA [71] GLOVER, ADRIAN, CA [85] 2023-10-20 [86] 2022-04-20 (PCT/IB2022/053714) [87] (WO2022/224174) [30] US (63/177,217) 2021-04-20 [30] US (17/399,332) 2021-08-11</p>
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<p>[21] 3,216,335 [13] A1</p> <p>[51] Int.Cl. A61K 38/46 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR AN INTRANASAL DRUG DELIVERY SYSTEM</p> <p>[54] SYSTEMES ET PROCEDES POUR UN SYSTEME D'ADMINISTRATION INTRANASALE DE MEDICAMENT</p> <p>[72] FALLON, JIM, US [72] MEE, JOHN LAWRENCE, US [72] RADIN, DEAN, US [71] FALLON, JIM, US [71] MEE, JOHN LAWRENCE, US [71] RADIN, DEAN, US [85] 2023-10-20 [86] 2022-11-23 (PCT/US2022/050947) [87] (WO2023/097034) [30] US (63/283,150) 2021-11-24</p>
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[21] 3,216,336  
[13] A1

[51] Int.Cl. G01S 7/288 (2006.01) G01S 7/41 (2006.01) G01S 13/52 (2006.01)  
[25] EN  
[54] COMPUTING TECHNOLOGIES FOR DETECTING AND TRACKING SPACE OBJECTS VIA COMBINATIONS OF INCOHERENT PROCESSING, DYNAMIC DETECTION, AND COHERENT AND/OR CORRELATOR PROCESSING  
[54] TECHNOLOGIES INFORMATIQUES POUR DETECTER ET SUIVRE DES OBJETS SPATIAUX PAR LE BIAIS DE COMBINAISONS DE TRAITEMENT INCOHERENT, DE DETECTION DYNAMIQUE ET DE TRAITEMENT COHERENT ET/OU CORRELATEU  
[72] STEVENSON, MATTHEW, US  
[72] ROWLAND, JAMES, US  
[72] NICOLLS, MICHAEL, US  
[72] LICHTENWALTER, BENJAMIN, US  
[71] LEOLABS, INC., US  
[85] 2023-10-20  
[86] 2022-05-10 (PCT/US2022/028613)  
[87] (WO2022/240892)  
[30] US (63/188,208) 2021-05-13

[21] 3,216,338  
[13] A1

[51] Int.Cl. B29C 44/14 (2006.01) B29C 44/12 (2006.01) B29C 44/36 (2006.01)  
[25] EN  
[54] METHOD FOR PRODUCING A LINING PART FOR A VEHICLE, AND LINING PART PRODUCED USING SAID METHOD  
[54] PROCEDE DE PRODUCTION D'UNE PARTIE DE GARNITURE POUR UN VEHICULE, ET PARTIE DE GARNITURE PRODUISTE A L'AIDE DUDIT PROCEDE  
[72] FARINON, RUDI, BE  
[72] TROSSAERT, GEERT, BE  
[72] VANLANDSCHOOT, KOEN, BE  
[72] VANLUCHENE, YVAN, BE  
[71] ASCORIUM GMBH, DE  
[85] 2023-10-20  
[86] 2022-05-18 (PCT/EP2022/063388)  
[87] (WO2022/268414)  
[30] DE (10 2021 116 451.6) 2021-06-25

[21] 3,216,339  
[13] A1

[25] EN  
[54] PLANT AND PROCESS FOR THE PRODUCTION OF SYNTHETIC FUELS WITHOUT CARBON DIOXIDE EMISSIONS  
[54] SYSTEME ET PROCEDE DE PRODUCTION DE COMBUSTIBLES SYNTHETIQUES SANS EMISSION DE DIOXYDE DE CARBONE  
[72] HAID, MICHAEL, DE  
[72] GAMBERT, ROLF, DE  
[72] SCHWARTZE, JAN, DE  
[71] EDL ANLAGENBAU GESELLSCHAFT MBH, DE  
[85] 2023-10-20  
[86] 2022-04-14 (PCT/EP2022/060101)  
[87] (WO2022/223458)  
[30] EP (21169997.0) 2021-04-22

[21] 3,216,340  
[13] A1

[51] Int.Cl. C08K 3/11 (2018.01) C08J 11/06 (2006.01) G01N 23/223 (2006.01)  
[25] EN  
[54] SYSTEM AND METHOD FOR MANAGING RAW MATERIALS OF INDUSTRIAL IMPORTANCE  
[54] SYSTEME ET PROCEDE POUR LA GESTION DE MATIERES PREMIERES D'IMPORTANCE INDUSTRIELLE  
[72] TAL, NATALY, IL  
[72] KAPLINSKY, MOR, IL  
[72] SADE, HAGIT, IL  
[72] ALON, HAGGAI, IL  
[72] DAFNI, RON, IL  
[72] NACHMIAS, CHEN, IL  
[72] SHMUEL, GAL, IL  
[72] MUSNIKOW, YONATAN, IL  
[72] YORAN, NADAV, IL  
[72] ZELDICH, YEKATERINA, IL  
[72] BURCK ZALTZMAN, MICHAL, IL  
[72] FIRSTENBERG, MICHAL, IL  
[72] NACHUM, TEHILA, IL  
[71] SECURITY MATTERS LTD., IL  
[71] TAL, NATALY, IL  
[71] KAPLINSKY, MOR, IL  
[71] SADE, HAGIT, IL  
[71] ALON, HAGGAI, IL  
[71] DAFNI, RON, IL  
[71] NACHMIAS, CHEN, IL  
[71] SHMUEL, GAL, IL  
[71] MUSNIKOW, YONATAN, IL  
[71] YORAN, NADAV, IL  
[71] ZELDICH, YEKATERINA, IL  
[71] BURCK ZALTZMAN, MICHAL, IL  
[71] FIRSTENBERG, MICHAL, IL  
[71] NACHUM, TEHILA, IL  
[85] 2023-10-20  
[86] 2022-04-13 (PCT/IL2022/050381)  
[87] (WO2022/224240)  
[30] IL (282500) 2021-04-21  
[30] US (63/260,293) 2021-08-16

## Demandes PCT entrant en phase nationale

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<p>[21] <b>3,216,342</b> [13] A1</p> <p>[51] Int.Cl. C07K 16/28 (2006.01) C07K 16/30 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTI-GPC3 ANTIBODIES, MULTISPECIFIC ANTIBODIES AND METHODS OF USE</p> <p>[54] ANTICORPS ANTI-GPC3, ANTICORPS MULTISPECIFIQUES ET METHODES D'UTILISATION</p> <p>[72] ISSAFRAS, HASSAN, CN</p> <p>[72] XU, WENFENG, CN</p> <p>[72] JIANG, WEI-DONG, CN</p> <p>[72] KIM, HEUNGNAM, CN</p> <p>[71] SHANGHAI HENLIUS BIOTECH, INC., CN</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-22 (PCT/CN2022/088436)</p> <p>[87] (WO2022/223019)</p> <p>[30] CN (PCT/CN2021/089248) 2021-04-23</p>
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<p>[21] <b>3,216,346</b> [13] A1</p> <p>[51] Int.Cl. C07K 14/705 (2006.01)</p> <p>[25] EN</p> <p>[54] HYPOIMMUNOGENIC CELLS COMPRISING ENGINEERED HLA-E OR HLA-G</p> <p>[54] CELLULES HYPOIMMUNOGENES COMPRENANT HLA-E OU HLA-G GENETIQUEMENT MODIFIES</p> <p>[72] REBAR, EDWARD, US</p> <p>[72] SCHREPFER, SONJA, US</p> <p>[71] SANA BIOTECHNOLOGY, INC., US</p> <p>[85] 2023-10-20</p> <p>[86] 2022-05-25 (PCT/US2022/030934)</p> <p>[87] (WO2022/251367)</p> <p>[30] US (63/194,106) 2021-05-27</p> <p>[30] US (63/255,912) 2021-10-14</p>
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<p>[21] <b>3,216,347</b> [13] A1</p> <p>[51] Int.Cl. A01D 46/30 (2006.01) A01D 46/253 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR AUTOMATICALLY GRIPPING AND CUTTING FRUITS AND PLANTS</p> <p>[54] SYSTEME ET PROCEDE POUR SAISIR ET COUPER AUTOMATIQUEMENT DES FRUITS ET DES PLANTES</p> <p>[72] KIM, HOON KI, US</p> <p>[72] ROCKETT, MATTHEW LUKE, US</p> <p>[72] CALL, CASEY BENNET, US</p> <p>[72] KIM, YOUNGSUN, US</p> <p>[72] LEE, GILWOO, US</p> <p>[71] ZORDI, INC., US</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-26 (PCT/US2022/026379)</p> <p>[87] (WO2022/232166)</p> <p>[30] US (63/182,383) 2021-04-30</p> <p>[30] US (17/728,915) 2022-04-25</p>
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<p>[21] <b>3,216,348</b> [13] A1</p> <p>[51] Int.Cl. B64F 5/50 (2017.01) B60P 3/11 (2006.01) B64C 39/02 (2023.01) B64F 1/06 (2006.01)</p> <p>[25] EN</p> <p>[54] AUTOMATICALLY PITCH AND YAW RESPONSIVE AIRCRAFT LAUNCHING SYSTEM</p> <p>[54] SYSTEME DE LANCEMENT D'AERONEF REAGISSANT AU TANGAGE ET AU LACET AUTOMATIQUEMENT</p> <p>[72] PARSONS, KURT, US</p> <p>[72] EDWARDS, DAN, US</p> <p>[71] VU HOLDINGS, LLC, US</p> <p>[85] 2023-10-22</p> <p>[86] 2022-04-19 (PCT/US2022/025332)</p> <p>[87] (WO2022/256089)</p> <p>[30] US (63/178,455) 2021-04-22</p> <p>[30] US (17/724,007) 2022-04-19</p>
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<p>[21] <b>3,216,349</b> [13] A1</p> <p>[51] Int.Cl. E06B 3/28 (2006.01)</p> <p>[25] EN</p> <p>[54] WINDOW DRESSING SYSTEM AND ASSEMBLY</p> <p>[54] SYSTEME ET ENSEMBLE D'HABILLAGE DE FENETRE</p> <p>[72] CLAASE, GARETH, GB</p> <p>[71] GECKO GLAZING LTD., GB</p> <p>[85] 2023-10-22</p> <p>[86] 2022-04-22 (PCT/EP2022/060718)</p> <p>[87] (WO2022/223793)</p> <p>[30] GB (2105818.5) 2021-04-23</p>
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[13] A1

[51] Int.Cl. C09K 23/42 (2022.01) C09D 11/03 (2014.01) C09B 67/46 (2006.01)  
[25] EN  
[54] NEUTRALIZED MULTI-AMINE DISPERSANT COMPOSITIONS  
[54] COMPOSITIONS DISPERSANTES NEUTRALISEES DE MULTI-AMINE  
[72] WILKINSON, CONOR, US  
[72] COULBECK, ELLIOT, US  
[72] ESCURIET, SEGIO, US  
[72] COLLINGE, MICHAEL, US  
[71] LUBRIZOL ADVANCED MATERIALS, INC., US  
[85] 2023-10-06  
[86] 2022-04-07 (PCT/US2022/023862)  
[87] (WO2022/216948)  
[30] US (63/172,890) 2021-04-09

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[13] A1

[51] Int.Cl. G06F 15/16 (2006.01) G06F 15/173 (2006.01) G06F 17/00 (2019.01)  
[25] EN  
[54] GENERATING SYNTHETIC TRANSACTIONS WITH PACKETS  
[54] GENERATION DE TRANSACTIONS SYNTHETIQUES AVEC DES PAQUETS  
[72] BARRETT, PAUL, US  
[72] KOSBAB, BRUCE, US  
[72] SINGHAL, ANIL, US  
[72] VOGT, BOB, US  
[71] NETSCOUT SYSTEMS, INC., US  
[85] 2023-10-06  
[86] 2022-04-07 (PCT/US2022/023882)  
[87] (WO2022/216962)  
[30] US (63/173,007) 2021-04-09

**[21] 3,216,357**  
[13] A1

[51] Int.Cl. G01N 35/00 (2006.01) B01L 9/00 (2006.01)  
[25] EN  
[54] METHODS AND SYSTEMS FOR IMPROVED QUALITY ASSURANCE FOR HIGH-THROUGHPUT ANALYSIS  
[54] PROCEDES ET SYSTEMES POUR UNE ASSURANCE QUALITE AMELIOREE POUR UNE ANALYSE A HAUT DEBIT  
[72] RAPPOLD, BRIAN ALEXANDER, US  
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US  
[85] 2023-10-06  
[86] 2022-04-08 (PCT/US2022/023944)  
[87] (WO2022/217009)  
[30] US (63/173,001) 2021-04-09

**[21] 3,216,358**  
[13] A1

[51] Int.Cl. C07K 14/725 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61K 39/00 (2006.01)  
[25] EN  
[54] MATERIALS AND METHODS FOR ENHANCED STEM-CELL LIKE MEMORY T CELL ENGINEERING  
[54] MATERIAUX ET METHODES POUR INGENIERIE DE CELLULE T MEMOIRE DE TYPE CELLULE SOUCHE AMELIOREE  
[72] SUKUMAR, MADHUSUDHANAN, US  
[72] GANESAN, RAJKUMAR, US  
[72] SINGH, SANJAYA, US  
[72] ORAVECZ, TAMAS, US  
[71] JANSSEN BIOTECH, INC., US  
[85] 2023-10-06  
[86] 2022-04-07 (PCT/US2022/023883)  
[87] (WO2022/216963)  
[30] US (63/172,601) 2021-04-08  
[30] US (63/172,605) 2021-04-08  
[30] US (63/172,595) 2021-04-08  
[30] US (63/172,610) 2021-04-08

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[13] A1

[51] Int.Cl. C12N 15/10 (2006.01)  
[25] EN  
[54] RAPID DESIGN, BUILD, TEST, AND LEARN TECHNOLOGIES FOR IDENTIFYING AND USING NON-VIRAL CARRIERS  
[54] TECHNOLOGIES DE CONCEPTION, DE CONSTRUCTION, DE TEST ET D'APPRENTISSAGE RAPIDES POUR IDENTIFIER ET UTILISER DES VECTEURS NON VIRAUX  
[72] DUONG, ANTHONY D., US  
[72] HUK, DANIELLE J., US  
[72] GUPTA, CHERRY, US  
[72] SIMS JR., KENNETH R., US  
[72] KOERIS, MICHAEL S., US  
[72] SHANK, ZACHARY R., US  
[72] COLBERT, ASHLEE J., US  
[72] MCCUE, ANDREA D., US  
[72] SCHMITZ, EMMA K., US  
[72] HILLRICH, CALEB T., US  
[72] MILLER, SHANNON D., US  
[72] HOY, JOANNA L., US  
[71] BATTELLE MEMORIAL INSTITUTE, US  
[85] 2023-10-06  
[86] 2022-04-07 (PCT/US2022/023902)  
[87] (WO2022/216977)  
[30] US (63/172,069) 2021-04-07

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[13] A1

[51] Int.Cl. C12N 5/10 (2006.01) C12N 15/866 (2006.01)  
[25] EN  
[54] RHABDOVIRUS NEGATIVE SPODOPTERA FRUGIPERDA INSECT CELL LINE, AND SCREENING, IDENTIFICATION AND APPLICATION THEREOF  
[54] SOUCHE DE CELLULE D'INSECTE SPODOPTERA FRUGIPERDA NEGATIVE AU RHABDOVIRUS, SON CRIBLAGE, SON IDENTIFICATION ET SON UTILISATION  
[72] SHEN, GUOBO, CN  
[72] WEI, XIAWEI, CN  
[72] WEI, YUQUAN, CN  
[72] YANG, LI, CN  
[71] WESTVAC BIOPHARMA CO., LTD., CN  
[85] 2023-10-10  
[86] 2022-12-23 (PCT/CN2022/141358)  
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[30] CN (202210194024.X) 2022-03-01

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[25] EN

[54] ENCAPSULATED MICROBIAL COMPOSITIONS AND METHODS OF MAKING THE SAME

[54] COMPOSITIONS MICROBIENNES ENCAPSULEES ET LEURS PROCEDES DE FABRICATION

[72] ANJEM, ADIL, US

[72] BUCHOLZ, TRACY, US

[72] HUANG, MINGYA, US

[72] LAU, MING WOEI, US

[71] MONSANTO TECHNOLOGY LLC, US

[85] 2023-10-06

[86] 2022-04-08 (PCT/US2022/023995)

[87] (WO2022/217038)

[30] US (63/172,898) 2021-04-09

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[21] 3,216,363  
[13] A1

[51] Int.Cl. B01L 3/00 (2006.01)

[25] EN

[54] SYSTEMS, APPARATUS AND METHODS FOR EXTRACTING AND ANALYSING CELLULAR MATERIAL

[54] SYSTEMES, APPAREIL ET PROCEDES D'EXTRACTION ET D'ANALYSE DE MATERIAU CELLULAIRE

[72] KARLSEN, FRANK, NO

[72] ROSEND, LARS, NO

[72] JAKOBSEN, HENRIK, NO

[71] UNIVERSITY OF SOUTH-EASTERN NORWAY, NO

[85] 2023-10-10

[86] 2022-04-04 (PCT/EP2022/058869)

[87] (WO2022/218739)

[30] GB (2105293.1) 2021-04-14

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[51] Int.Cl. A61K 31/436 (2006.01) A61K 31/7088 (2006.01) A61K 38/00 (2006.01) A61K 45/06 (2006.01) A61P 37/06 (2006.01) C12N 15/86 (2006.01)

[25] EN

[54] SYNTHETIC NANOCARRIERS COMPRISING AN IMMUNOSUPPRESSANT IN COMBINATION WITH HIGH AFFINITY IL-2 RECEPTOR AGONISTS TO ENHANCE IMMUNE TOLERANCE

[54] NANOVECTEURS SYNTHETIQUES COMPRENANT UN IMMUNOSUPPRESSEUR EN COMBINAISON AVEC DES AGONISTES DU RECEPTEUR A L'IL-2 A HAUTE AFFINITE DESTINES A AMELIORER LA TOLERANCE IMMUNITAIRE

[72] KISHIMOTO, TAKASHI KEI, US

[72] ILYINSKII, PETR, US

[71] SELECTA BIOSCIENCES, INC., US

[85] 2023-10-06

[86] 2022-04-08 (PCT/US2022/024081)

[87] (WO2022/217095)

[30] US (63/173,333) 2021-04-09

[30] US (63/228,931) 2021-08-03

[30] US (63/240,749) 2021-09-03

[30] US (63/274,706) 2021-11-02

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[30] US (63/304,255) 2022-01-28

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[13] A1

[51] Int.Cl. C07D 417/14 (2006.01) A61P 25/28 (2006.01) C07D 417/04 (2006.01) C07D 493/08 (2006.01)

[25] EN

[54] DIAZEPANE DERIVATIVES, PROCESSES FOR THEIR PREPARATION, AND USES THEREOF FOR THE AMELIORATION, PREVENTION AND/OR TREATMENT OF MENTAL AND NEUROLOGICAL DISEASES

[54] DERIVES DE DIAZEPANE, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS POUR AMELIORER, PREVENIR ET/OU TRAITER DES MALADIES MENTALES ET NEUROLOGIQUES

[72] BODDU, VENKATESWARA RAO, DK

[72] CHITTIMALLA, SANTHOSH KUMAR, DK

[72] SANKARAN, DURAIRAJA, DK

[72] KARUNAKARAN, GANESH BABU, DK

[72] BRIMERT, THOMAS, DK

[71] 2N PHARMA APS, DK

[85] 2023-10-23

[86] 2022-05-04 (PCT/EP2022/061994)

[87] (WO2022/233942)

[30] EP (21172027.1) 2021-05-04

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[51] Int.Cl. G09B 7/00 (2006.01) G09B 19/00 (2006.01)

[25] EN

[54] SYSTEMS AND METHODS FOR LEARNER GROWTH TRACKING AND ASSESSMENTS

[54] SYSTEMES ET PROCEDES DE SUIVI ET D'EVALUATION DU PROGRES D'UN ELEVE

[72] RUSHKIN, ILIA, US

[72] ROSEN, YIGAL, US

[71] BRAINPOP IP LLC, US

[85] 2023-10-06

[86] 2022-04-08 (PCT/US2022/024106)

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[25] EN
[54] SYSTEMS AND METHODS FOR INCREASING METABOLIC RATES
[54] SYSTEMES ET PROCEDES POUR AUGMENTER DES TAUX METABOLIQUES
[72] MANSTEIN, DIETER, US
[72] WANG-EVERS, MICHAEL, US
[72] SALMA, NUNCIADA, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2023-10-06
[86] 2022-04-11 (PCT/US2022/024315)
[87] (WO2022/217162)
[30] US (63/173,175) 2021-04-09

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[51] Int.Cl. F16C 29/02 (2006.01) F16C 29/00 (2006.01)
[25] EN
[54] SLIDING BEARING ARRANGEMENT AND LINEAR CARRIAGE HAVING A LOCKING BRAKE
[54] ENSEMBLE PALIER LISSE ET CHARIOT LINEAIRE EQUIPE D'UN FREIN DE STATIONNEMENT
[72] TURKER, MUHAMMET ERKAM, DE
[71] IGUS GMBH, DE
[85] 2023-10-10
[86] 2022-04-08 (PCT/EP2022/059517)
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[30] DE (20 2021 101 950.6) 2021-04-12

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[25] EN
[54] CARBOXY-BENZIMIDAZOLE GLP-1R MODULATING COMPOUNDS
[54] COMPOSES CARBOXY-BENZIMIDAZOLES MODULATEURS DU GLP-1R
[72] ARMSTRONG, MEGAN K., US
[72] BRIZGYS, GEDIMINAS J., US
[72] CASSIDY, JAMES S., US
[72] CHIN, ELBERT, US
[72] CHOU, CHIENHUNG, US
[72] HUNG, CHAO-I, US
[72] LIN, DAVID W., US
[72] MITCHELL, MICHAEL L., US
[72] ROBERTS, EZRA, US
[72] SCHROEDER, SCOTT D., US
[72] TAYLOR, JAMES G., US
[72] THOMAS-TRAN, RHIANNON, US
[72] WRIGHT, NATHAN E., US
[72] YANG, ZHENG-YU, US
[71] GILEAD SCIENCES, INC., US
[85] 2023-10-06
[86] 2022-04-19 (PCT/US2022/025329)
[87] (WO2022/225914)
[30] US (63/177,775) 2021-04-21
[30] US (63/285,410) 2021-12-02

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[51] Int.Cl. H04B 3/46 (2015.01) G01R 31/58 (2020.01) F16G 13/16 (2006.01) G01R 31/08 (2020.01) H02G 11/00 (2006.01) H04B 3/48 (2015.01) H04B 3/60 (2006.01)
[25] EN
[54] SYSTEM FOR MONITORING THE STATUS OF A LINE IN AN ENERGY CHAIN
[54] SYSTEME DE SURVEILLANCE DE L'ETAT D'UNE LIGNE DANS UNE CHAINE ENERGETIQUE
[72] HABERING, RICHARD, DE
[71] IGUS GMBH, DE
[85] 2023-10-10
[86] 2022-04-07 (PCT/EP2022/059342)
[87] (WO2022/218828)
[30] DE (20 2021 101 964.6) 2021-04-12
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  - [25] EN
  - [54] PARP1 INHIBITORS AND USES THEREOF
  - [54] INHIBITEURS DE PARP1 ET LEURS UTILISATIONS
  - [72] TRZOSS, LYNNIE, US
  - [72] DONG, QING, US
  - [72] KALDOR, STEPHEN W., US
  - [72] HOFFMAN, ROBERT L., US
  - [72] VA, PORINO JINJO, US
  - [72] PINCHMAN, JOSEPH ROBERT, US
  - [71] XINTHERA, INC., US
  - [85] 2023-10-06
  - [86] 2022-04-19 (PCT/US2022/025357)
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  - [30] US (63/176,610) 2021-04-19
  - [30] US (63/183,563) 2021-05-03
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- [25] EN
- [54] SLIDING BEARING WITH MULTI-PART CARRIAGE
- [54] PALIER LISSE A CHARIOT EN PLUSIEURS PARTIES
- [72] KOCHING, FABIAN, DE
- [71] IGUS GMBH, DE
- [85] 2023-10-10
- [86] 2022-04-08 (PCT/EP2022/059518)
- [87] (WO2022/218878)
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[13] A1

- [51] Int.Cl. A21B 1/48 (2006.01) A21C 13/02 (2006.01) F26B 15/26 (2006.01)
  - [25] EN
  - [54] OVEN VENTILATION FOR CONVECTIVE COOKING AND DRYING OF FOOD
  - [54] VENTILATION DE FOUR POUR LA CUISSON ET LE SECHAGE PAR CONVECTION D'ALIMENTS
  - [72] MOREY, OWEN EUGENE, US
  - [72] GUNAWARDENA, RAMESH M., US
  - [72] JOHNSON, ANDREW A., US
  - [72] STANG, SCOTT E., US
  - [71] JOHN BEAN TECHNOLOGIES CORPORATION, US
  - [85] 2023-10-06
  - [86] 2022-04-21 (PCT/US2022/025695)
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[13] A1

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- [25] EN
- [54] SUGAR-FREE CHEWY CONFECTIONERY AND METHOD OF MANUFACTURE
- [54] CONFISERIE A MACHER SANS SUCRE ET SON PROCEDE DE FABRICATION
- [72] VYAKARANAM, KIRAN, US
- [72] ELEJALDE, CESAR, US
- [72] BOGDAN-SMIGIELSKA, EWELINA, US
- [72] OKSUZ, TUGBA, US
- [72] BARANOWSKA, WERONIKA, US
- [71] INTERCONTINENTAL GREAT BRANDS LLC, US
- [85] 2023-10-06
- [86] 2022-04-29 (PCT/US2022/026944)
- [87] (WO2022/235503)
- [30] US (63/184,846) 2021-05-06

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[13] A1

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  - [25] EN
  - [54] ETHYLENE COPOLYMERS WITH IMPROVED HOMOGENOUS MOLECULAR STRUCTURES
  - [54] COPOLYMERES D'ETHYLENE AYANT DES STRUCTURES MOLECULAIRES HOMOGENES AMELIOREES
  - [72] TRANCHIDA, DAVIDE DOMENICO, AT
  - [72] CHENG, JOY JIE, AT
  - [72] ALBRECHT, ANDREAS, AT
  - [72] POMAKHINA, ELENA, AT
  - [71] BOREALIS AG, AT
  - [85] 2023-10-10
  - [86] 2022-04-11 (PCT/EP2022/059589)
  - [87] (WO2022/218903)
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[13] A1

- [51] Int.Cl. A61K 31/395 (2006.01) A61K 31/495 (2006.01) A61K 31/4985 (2006.01) C07D 487/00 (2006.01) C07D 487/12 (2006.01) C07D 487/14 (2006.01)
  - [25] EN
  - [54] COCRYSTALS OF UPADACITINIB
  - [54] CO-CRISTAUX D'UPADACITINIB
  - [72] MATTEI, ALESSANDRA, US
  - [71] ABBVIE INC., US
  - [85] 2023-10-06
  - [86] 2022-04-07 (PCT/US2022/071596)
  - [87] (WO2022/217257)
  - [30] US (63/171,855) 2021-04-07
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- [54] OPIOIDES GLYCOSYLES
- [72] HOUGHTON-LARSEN, JENS, DK
- [72] KANNANGARA, RUBINI, DK
- [72] HANSEN, ESBEN HALKJAER, DK
- [72] CHABERSKI, EVAN, DK
- [72] TATJER-RECORDA, LAURA, DK
- [71] RIVER STONE BIOTECH APS, DK
- [85] 2023-10-23
- [86] 2022-05-05 (PCT/EP2022/062130)
- [87] (WO2022/234005)
- [30] EP (21172832.4) 2021-05-07

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[51] Int.Cl. F23G 5/50 (2006.01) F23G 7/08 (2006.01) F23N 5/08 (2006.01) G05B 23/02 (2006.01)  
 [25] EN  
 [54] REAL-TIME FLARE OPTIMIZATION USING AN EDGE DEVICE  
 [54] OPTIMISATION DE TORCHE EN TEMPS REEL AU MOYEN D'UN DISPOSITIF PERIPHERIQUE  
 [72] GEY, GIAN-MARCIO, US  
 [72] POMERANTZ, ANDREW EMIL, US  
 [71] SCHLUMBERGER CANADA LIMITED, CA  
 [85] 2023-10-06  
 [86] 2022-04-07 (PCT/US2022/071602)  
 [87] (WO2022/217259)  
 [30] US (63/171,660) 2021-04-07

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[51] Int.Cl. C07H 19/04 (2006.01) C12Q 1/68 (2018.01) G01N 33/58 (2006.01)  
 [25] EN  
 [54] FLUORESCENT NUCLEOSIDE PHOSPHATES  
 [54] PHOSPHATES NUCLEOSIDIQUES FLUORESCENTS  
 [72] ESBJORMER WINTERS, ELIN, SE  
 [72] WILHELMSSON, MARCUS, SE  
 [72] PFEIFFER, PAULINE, SE  
 [72] GALLUD, AUDREY, SE  
 [72] NILSSON, JESPER, SE  
 [71] STEALTH LABELS BIOTECH AB, SE  
 [85] 2023-10-10  
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 [87] (WO2022/218943)  
 [30] GB (2105194.1) 2021-04-12

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 [25] EN  
 [54] UREA DERIVATIVES FOR TREATING UVEAL MELANOMA  
 [54] DERIVES D'UREE POUR LE TRAITEMENT DU MELANOME UVEAL  
 [72] DUFIES, MAEVA, FR  
 [72] PAGES, GILLES, MC  
 [72] RONCO, CYRIL, FR  
 [72] BENHIDA, RACHID, FR  
 [71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR  
 [71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR  
 [71] UNIVERSITE COTE D'AZUR, FR  
 [71] INSTITUT CURIE, FR  
 [85] 2023-10-10  
 [86] 2022-04-14 (PCT/EP2022/060022)  
 [87] (WO2022/219123)  
 [30] EP (21305489.3) 2021-04-14

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[51] Int.Cl. A61K 39/395 (2006.01) A61K 31/00 (2006.01) A61K 33/00 (2006.01) C07K 16/28 (2006.01)  
 [25] EN  
 [54] ANTI-IFNAR1 DOSING REGIME FOR SUBCUTANEOUS INJECTION  
 [54] REGIME POSOLOGIQUE ANTI-IFNAR1 POUR INJECTION SOUS-CUTANEE  
 [72] LINDHOLM, CATHARINA, SE  
 [72] CHIA, YEN LIN, US  
 [72] TUMMALA, RAJENDRA, US  
 [72] ROSKOS, LORIN, US  
 [72] ALMQVIST, JOACHIM, SE  
 [72] ROUSE, TOMAS, SE  
 [71] ASTRAZENECA AB, SE  
 [85] 2023-10-10  
 [86] 2022-04-21 (PCT/EP2022/060592)  
 [87] (WO2022/223714)  
 [30] US (63/178,739) 2021-04-23  
 [30] US (63/245,285) 2021-09-17  
 [30] US (63/272,851) 2021-10-28

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[51] Int.Cl. A61N 5/06 (2006.01) A61B 18/20 (2006.01) A61L 2/00 (2006.01)  
 [25] EN  
 [54] PHOTOBIMODULATION THERAPY GARMENT, METHODS AND USES  
 [54] VETEMENT POUR THERAPIE PAR PHOTOBIMODULATION, PROCEDES ET UTILISATIONS  
 [72] CASSANO, PAOLO, US  
 [72] CHEN, JOSHUA, US  
 [71] NIRAXX, INC., US  
 [85] 2023-10-06  
 [86] 2022-04-08 (PCT/US2022/071626)  
 [87] (WO2022/217271)  
 [30] US (63/172,405) 2021-04-08  
 [30] US (63/272,363) 2021-10-27

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[51] Int.Cl. B64G 1/58 (2006.01) B64G 1/40 (2006.01) B64G 1/62 (2006.01) F02K 1/78 (2006.01)  
 [25] EN  
 [54] A NON-AXISYMMETRIC HEAT SHIELD, A NOZZLE DEFINED AT LEAST PARTIALLY BY THE HEAT SHIELD, AN ENGINE INCLUDING THE NOZZLE, AND A VEHICLE INCLUDING THE ENGINE  
 [54] BLINDAGE THERMIQUE NON AXISYMETRIQUE, TUYERE DEFINIE AU MOINS PARTIELLEMENT PAR LE BLINDAGE THERMIQUE, MOTEUR COMPRENANT LA TUYERE ET VEHICULE COMPRENANT LE MOTEUR  
 [72] MCCULLOUGH, THOMAS RYAN, US  
 [72] FELDMAN, THOMAS, US  
 [71] STOKE SPACE TECHNOLOGIES, INC., US  
 [85] 2023-10-06  
 [86] 2022-04-13 (PCT/US2022/071686)  
 [87] (WO2022/251762)  
 [30] US (63/174,323) 2021-04-13  
 [30] US (63/236,002) 2021-08-23

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- [25] EN
- [54] ANNULAR AEROSPIKE NOZZLE WITH WIDELY-SPACED THRUST CHAMBERS, ENGINE INCLUDING THE ANNULAR AEROSPIKE NOZZLE, AND VEHICLE INCLUDING THE ENGINE
- [54] TUYERE ANNULAIRE DE TYPE AEROSPIKE POURVUE DE CHAMBRES PROPULSIVES LARGEMENT ESPACEES, MOTEUR COMPRENANT LA TUYERE ANNULAIRE DE TYPE AEROSPIKE, ET VEHICULE COMPRENANT LEDIT MOTEUR
- [72] MCCULLOUGH, THOMAS RYAN, US
- [72] FELDMAN, THOMAS, US
- [72] LAPSA, ANDREW, US
- [72] SANDER, ZACHARY, US
- [71] STOKE SPACE TECHNOLOGIES, INC., US
- [85] 2023-10-06
- [86] 2022-04-13 (PCT/US2022/071688)
- [87] (WO2022/251763)
- [30] US (63/174,323) 2021-04-13
- [30] US (63/236,002) 2021-08-23
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- [51] Int.Cl. B22F 9/08 (2006.01) B33Y 70/00 (2020.01) B22F 1/00 (2022.01)
- [25] EN
- [54] INSTALLATION FOR THE PRODUCTION OF METAL POWDERS
- [54] INSTALLATION POUR LA PRODUCTION DE POUDRES METALLIQUES
- [72] HERRAIZ LALANA, ENRIQUE, ES
- [72] KODUKULA, UDAYA BHASKAR, US
- [71] ARCELORMITTAL, LU
- [85] 2023-10-07
- [86] 2022-04-26 (PCT/IB2022/053852)
- [87] (WO2022/229836)
- [30] IB (PCT/IB2021/053456) 2021-04-27
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- [25] EN
- [54] SOLUTIONS FOR SOLVENT SWELLING AND SOLVENT BONDING
- [54] SOLUTIONS POUR LE GONFLEMENT PAR SOLVANT ET LA LIAISON PAR SOLVANT
- [72] YADAV, SAROJ, US
- [72] BLAIR, PAUL, US
- [71] ILLINOIS TOOL WORKS INC., US
- [85] 2023-10-09
- [86] 2022-04-27 (PCT/US2022/026487)
- [87] (WO2022/221780)
- [30] US (63/173,809) 2021-04-12
- [30] US (17/713,997) 2022-04-05
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- [25] EN
- [54] TREATMENT OF LUPUS NEPHRITIS WITH ANTI-TYPE I INF RECEPTOR ANTIBODY ANIFROLUMAB
- [54] TRAITEMENT DE LA NEPHROPATHIE LUPIQUE AVEC ANIFROLUMAB ANTICORPS DU RECEPTEUR INF ANTI-TYPE I
- [72] LINDHOLM, CATHARINA, SE
- [72] CHIA, YEN LIN, US
- [72] TUMMALA, RAJENDRA, US
- [72] ROSKOS, LORIN, US
- [72] ALMQVIST, JOACHIM, SE
- [72] ROUSE, TOMAS, SE
- [72] TRASIEVA, TEODORA, SE
- [72] WHITE, WENDY, US
- [72] SINIBALDI, DOMINIC, US
- [72] RAMASWAMY, MADHU, US
- [72] NEWCOMBE, PAUL, GB
- [71] ASTRAZENECA AB, SE
- [85] 2023-10-10
- [86] 2022-04-22 (PCT/EP2022/060670)
- [87] (WO2022/223771)
- [30] US (63/178,745) 2021-04-23
- [30] US (63/221,986) 2021-07-15
- [30] US (63/270,091) 2021-10-21
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- [51] Int.Cl. C05G 5/12 (2020.01) C05C 9/00 (2006.01) C05D 9/00 (2006.01)
- [25] EN
- [54] METHOD OF PREPARING A MICRONIZED SULPHUR FERTILIZER PRODUCT WITH UREA
- [54] PROCEDE DE PREPARATION D'UN PRODUIT FERTILISANT DE SOUFRE MICRONISE AVEC DE L'UREE
- [72] IYER, SATISH, CA
- [71] SULVARIS INC., CA
- [85] 2023-10-10
- [86] 2022-04-08 (PCT/CA2022/050548)
- [87] (WO2022/213213)
- [30] US (63/173,409) 2021-04-10
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- [51] Int.Cl. A61L 26/00 (2006.01)
- [25] EN
- [54] FLOWABLE HEMOSTATIC PASTE
- [54] PATE HEMOSTATIQUE FLUIDE
- [72] CHEN, SHUANG, CN
- [72] XIE, TINGWAN, CN
- [72] WANG, YALIN, CN
- [72] LI, YUFU, US
- [71] GUANGZHOU BIOSEAL BIOTECH CO., LTD., CN
- [71] ETHICON, INC., US
- [85] 2023-10-10
- [86] 2021-04-14 (PCT/CN2021/087167)
- [87] (WO2022/217492)
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- [51] Int.Cl. C07C 69/80 (2006.01) C09D 7/20 (2018.01) C08F 283/01 (2006.01) C08K 5/10 (2006.01) C08K 5/103 (2006.01) C09D 167/06 (2006.01)
- [25] EN
- [54] NON-HAZARDOUS MONOMERS AS REACTIVE DILUENTS FOR RESINS
- [54] MONOMERES NON DANGEREUX EN TANT QUE DILUANTS REACTIFS POUR DES RESINES
- [72] FERNANDES, KEIZA, DE
- [72] TODTER-KONIG, SASCHA, DE
- [72] ROST, SIMON, DE
- [71] ELANTAS EUROPE GMBH, DE
- [85] 2023-10-10
- [86] 2022-05-09 (PCT/EP2022/062396)
- [87] (WO2022/238282)
- [30] EP (21173128.6) 2021-05-10
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 [25] EN  
 [54] TORREFACTION UNIT AND METHOD  
 [54] UNITE ET PROCEDE DE TORREFACTION  
 [72] EURLINGS, JOHANNES THEODORUS GERARDUS MARIE, NL  
 [71] RWE GENERATION NL B.V., NL  
 [85] 2023-10-10  
 [86] 2022-09-08 (PCT/EP2022/074950)  
 [87] (WO2023/052073)  
 [30] EP (21200579.7) 2021-10-01

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[13] A1

[51] Int.Cl. H05H 1/44 (2006.01)  
 [25] EN  
 [54] PLASMA TORCH ASSEMBLY AND OPERATION  
 [54] ENSEMBLE TORCHE A PLASMA ET FONCTIONNEMENT  
 [72] WIEKAMP, ATE, GB  
 [71] HIRO-X DEVELOPMENTS LIMITED, GB  
 [85] 2023-10-10  
 [86] 2022-04-13 (PCT/GB2022/050936)  
 [87] (WO2022/219339)  
 [30] GB (2105244.4) 2021-04-13

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[13] A1

[51] Int.Cl. A63B 63/08 (2006.01) E04H 12/18 (2006.01)  
 [25] EN  
 [54] PORTABLE BASKETBALL GOAL ASSEMBLY  
 [54] ENSEMBLE PANIER DE BASKET-BALL PORTATIF  
 [72] HALL, JASON, US  
 [72] PETERSON, RANDY, US  
 [72] POLK, LOUIS, US  
 [72] POLK IV, LOUIS, US  
 [72] SIMMS, BENJAMIN, US  
 [72] WHITE, RONALD, US  
 [71] RUSSELL BRANDS, LLC, US  
 [85] 2023-10-23  
 [86] 2022-01-05 (PCT/US2022/011309)  
 [87] (WO2022/231667)  
 [30] US (63/181,323) 2021-04-29  
 [30] US (17/537,753) 2021-11-30

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[51] Int.Cl. B01J 6/00 (2006.01) B01J 12/00 (2006.01) B01J 12/02 (2006.01) B01J 19/08 (2006.01) H05H 1/44 (2006.01)  
 [25] EN  
 [54] PLASMA TORCH REACTOR AND REACTION METHOD  
 [54] REACTEUR A TORCHE A PLASMA ET PROCEDE DE REACTION  
 [72] WIEKAMP, ATE, GB  
 [71] HIRO-X DEVELOPMENTS LIMITED, GB  
 [85] 2023-10-10  
 [86] 2022-04-13 (PCT/GB2022/050938)  
 [87] (WO2022/219341)  
 [30] GB (2105246.9) 2021-04-13  
 [30] GB (2105247.7) 2021-04-13

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[13] A1

[51] Int.Cl. E04B 1/14 (2006.01)  
 [25] FR  
 [54] BUILDING BLOCK FOR CONSTRUCTING A BUILDING AND METHOD FOR CONSTRUCTING A BUILDING  
 [54] BLOC DE CONSTRUCTION POUR LA FABRICATION D'UN BATIMENT ET PROCEDE DE FABRICATION D'UN BATIMENT  
 [72] NOCA, LAURENT, FR  
 [72] COCHET, FRANCOIS, FR  
 [71] NOCA, LAURENT, FR  
 [71] COCHET, FRANCOIS, FR  
 [85] 2023-10-23  
 [86] 2022-04-25 (PCT/EP2022/060936)  
 [87] (WO2022/223845)  
 [30] FR (FR2104267) 2021-04-23

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[51] Int.Cl. A61K 35/17 (2015.01)  
 [25] EN  
 [54] METHODS OF TREATMENT AND DOSING OF NATURAL KILLER CELL COMPOSITIONS  
 [54] METHODES DE TRAITEMENT ET DE DOSAGE DE COMPOSITIONS DE CELLULES TUEUSES NATURELLES  
 [72] DIPIERRO, GUY, US  
 [72] BIGLEY, AUSTIN, US  
 [71] INDAPTA THERAPEUTICS, INC., US  
 [85] 2023-10-23  
 [86] 2022-04-20 (PCT/US2022/025651)  
 [87] (WO2022/226130)  
 [30] US (63/177,956) 2021-04-21

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[13] A1

[51] Int.Cl. B26D 1/03 (2006.01) B26F 1/18 (2006.01)  
 [25] EN  
 [54] BAG OPENING DEVICE  
 [54] DISPOSITIF D'OUVERTURE DE SAC  
 [72] BIRKEDAL, MADS, DK  
 [71] AGRO BAG A/S, DK  
 [85] 2023-10-23  
 [86] 2022-04-05 (PCT/IB2022/000171)  
 [87] (WO2022/229698)  
 [30] PL (P.437722) 2021-04-28

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[13] A1

- [51] Int.Cl. A23J 1/14 (2006.01) A23J 3/14 (2006.01) A23J 3/22 (2006.01) A23J 3/30 (2006.01)
  - [25] EN
  - [54] WATER-SOLUBLE PLANT PROTEIN, METHOD FOR PRODUCING SAME, AND USE THEREOF
  - [54] PROTEINE VEGETALE HYDROSOLUBLE, PROCEDE POUR LA PRODUIRE ET UTILISATION ASSOCIEE
  - [72] BOUWERS, JANTJE, DE
  - [72] BOUKAMP, MARTINA, DE
  - [72] WOLL, KARL-LUDWIG, DE
  - [72] VENNEGERTS, NADJA, DE
  - [71] EMSLAND STARKE GMBH, DE
  - [85] 2023-10-23
  - [86] 2022-05-11 (PCT/DE2022/100356)
  - [87] (WO2022/237938)
  - [30] DE (20 2021 102 596.4) 2021-05-11
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[13] A1

- [51] Int.Cl. F16P 1/02 (2006.01) B65C 9/40 (2006.01)
  - [25] EN
  - [54] MACHINE FOR PROCESSING CONTAINERS
  - [54] MACHINE DESTINEE AU TRAITEMENT DE RECIPIENTS
  - [72] BONARDI, LUCA, IT
  - [71] P.E. LABELLERS S.P.A., IT
  - [85] 2023-10-23
  - [86] 2022-05-10 (PCT/EP2022/062690)
  - [87] (WO2022/243118)
  - [30] IT (102021000013058) 2021-05-20
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[13] A1

- [25] EN
- [54] METHODS FOR SYNTHESIS OF AN ADVANTAGEOUS N-HETEROCYCLIC CARBENE CATALYST
- [54] PROCEDES DE SYNTHESE D'UN CATALYSEUR DE CARBENE N-HETEROCYCLIQUE AVANTAGEUX
- [72] CAHANA, AVIAD, US
- [72] FARONE, WILLIAM A., US
- [71] XF TECHNOLOGIES INC., US
- [85] 2023-10-23
- [86] 2022-04-16 (PCT/US2022/025147)
- [87] (WO2022/225825)
- [30] US (63/178,381) 2021-04-22

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[13] A1

- [25] EN
  - [54] A FLOOR ELEMENT FOR FORMING A FLOOR COVERING AND A FLOOR COVERING
  - [54] ELEMENT DE SOL DESTINE A FORMER UN REVETEMENT DE SOL ET REVETEMENT DE SOL
  - [72] DE RICK, JAN, BE
  - [71] FLOORING INDUSTRIES LIMITED, SARL, LU
  - [85] 2023-10-23
  - [86] 2022-04-27 (PCT/IB2022/053902)
  - [87] (WO2022/234400)
  - [30] US (63/183,807) 2021-05-04
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[13] A1

- [51] Int.Cl. C07C 219/16 (2006.01) A61K 47/18 (2017.01)
- [25] EN
- [54] COMPOUND OR SALT THEREOF, LIPID PARTICLES, AND PHARMACEUTICAL COMPOSITION
- [54] COMPOSE OU SEL DE CELUI-CI, PARTICULES LIPIDIQUES ET COMPOSITION PHARMACEUTIQUE
- [72] TANABE, SHINTARO, JP
- [72] NITABARU, TATSUYA, JP
- [72] YAMAMOTO, MASAHIKO, JP
- [72] FUKUNAGA, HIROFUMI, JP
- [72] NAKAMURA, NAOTO, JP
- [72] KASAGI, NORIYUKI, JP
- [72] ENDO, TAISUKE, JP
- [72] SUZUKI, KEIKO, JP
- [71] FUJIFILM CORPORATION, JP
- [85] 2023-10-23
- [86] 2022-04-28 (PCT/JP2022/019220)
- [87] (WO2022/230964)
- [30] JP (2021-075525) 2021-04-28

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[13] A1

- [51] Int.Cl. A61K 35/17 (2015.01) A61K 35/12 (2015.01) C07K 14/725 (2006.01)
  - [25] EN
  - [54] STEM CELLS COMPRISING AN UNREARRANGED T CELL RECEPTOR (TCR) GENE LOCUS AND METHODS OF USE THEREOF
  - [54] CELLULES SOUCHES COMPRENANT UN LOCUS DE GENE DU RECEPTEUR DES LYMPHOCYTES T NON REARRANGE (TCR) ET LEURS PROCEDES D'UTILISATION
  - [72] ZUNIGA-PFLUCKER, JUAN CARLOS, CA
  - [71] SUNNYBROOK RESEARCH INSTITUTE, CA
  - [85] 2023-10-23
  - [86] 2022-04-22 (PCT/CA2022/050622)
  - [87] (WO2022/221962)
  - [30] US (63/178,990) 2021-04-23
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[13] A1

- [51] Int.Cl. B65B 17/02 (2006.01) B65B 49/08 (2006.01) B65B 49/10 (2006.01) B65B 49/12 (2006.01) B65B 49/14 (2006.01) B65D 71/46 (2006.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR PACKAGING ARTICLES WITHIN A CARTON
- [54] SYSTEME ET PROCEDE D'EMBALLAGE D'ARTICLES A L'INTERIEUR D'UN CARTON
- [72] BONNAIN, JEAN-CHRISTOPHE, FR
- [72] DAVAILLON, EMMANUEL, FR
- [71] WESTROCK PACKAGING SYSTEMS, LLC, US
- [85] 2023-10-23
- [86] 2022-04-22 (PCT/US2022/026000)
- [87] (WO2022/226343)
- [30] US (63/178,733) 2021-04-23

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[13] A1

- [51] Int.Cl. C07K 14/015 (2006.01) C07K 14/78 (2006.01)
- [25] EN
- [54] TISSUE-TARGETED MODIFIED AAV CAPSIDS AND METHODS OF USE THEREOF
- [54] CAPSIDES D'AAV MODIFIEES CIBLANT DES TISSUS ET LEURS METHODES D'UTILISATION
- [72] NACHTRAB, GREG, US
- [71] LOCANABIO, INC., US
- [85] 2023-10-23
- [86] 2022-04-22 (PCT/US2022/026048)
- [87] (WO2022/226374)
- [30] US (63/178,965) 2021-04-23
- [30] US (63/299,697) 2022-01-14

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[13] A1

- [25] EN
- [54] ADENO-ASSOCIATED VIRAL VECTOR CAPSIDS WITH IMPROVED TISSUE TROPISM
- [54] CAPSIDES DE VECTEUR DE VIRUS ADENO-ASSOCIE PRESENTANT UN TROPISME TISSULAIRE AMELIORE
- [72] HAN, SEUNGIL, US
- [72] LIU, YUHANG, US
- [72] RABINOWITZ, JOSEPH ELIAS, US
- [72] SHYNG, CHARLES, US
- [71] ALEXION PHARMA INTERNATIONAL OPERATIONS LIMITED, IE
- [85] 2023-10-23
- [86] 2022-04-22 (PCT/IB2022/053775)
- [87] (WO2022/229807)
- [30] US (63/179,968) 2021-04-26

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[13] A1

- [51] Int.Cl. B01D 53/02 (2006.01) B01J 41/05 (2017.01) B01J 20/08 (2006.01) B01J 20/18 (2006.01) B01J 20/20 (2006.01) B01J 20/22 (2006.01) B01J 20/26 (2006.01) B01J 20/28 (2006.01) B01J 20/32 (2006.01) B01J 20/34 (2006.01)
- [25] EN
- [54] SORBENT ARTICLE WITH SELECTIVE BARRIER LAYER
- [54] ARTICLE SORBANT AVEC COUCHE BARRIERE SELECTIVE
- [72] CULLY, EDWARD H., US
- [72] SCOTTI, CHRISTINE M., US
- [71] W.L. GORE & ASSOCIATES, INC., US
- [85] 2023-10-23
- [86] 2022-05-17 (PCT/US2022/029583)
- [87] (WO2022/245790)
- [30] US (63/189,750) 2021-05-18
- [30] US (63/235,426) 2021-08-20

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[13] A1

- [51] Int.Cl. G01N 33/86 (2006.01)
- [25] EN
- [54] METHOD FOR DIAGNOSING A PREDISPOSITION OF A LIVING BEING TO DEVELOP THROMBOCYTOPENIA
- [54] METHODE POUR DIAGNOSTIQUER UNE PREDISPOSITION D'UN ETRE VIVANT A DEVELOPPER UNE THROMBOCYTOPENIE
- [72] ALTHAUS, KARINA, DE
- [72] BAKCHOUL, TAMAM, DE
- [72] ZLAMAL, JAN, DE
- [71] EBERHARD KARLS UNIVERSITAET TUEBINGEN MEDIZINISCHE FAKULTAET, DE
- [85] 2023-10-23
- [86] 2022-05-05 (PCT/EP2022/062143)
- [87] (WO2022/234011)
- [30] EP (21172527.0) 2021-05-06

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[13] A1

- [51] Int.Cl. B02C 23/02 (2006.01) B02C 21/02 (2006.01) B07B 13/16 (2006.01)
- [25] EN
- [54] SELF-LOCKING FOLDING HOPPER AND A LOCKING METHOD THEREOF
- [54] TREMIE PLIANTE A VERROUILLAGE AUTOMATIQUE ET SON PROCEDE DE VERROUILLAGE
- [72] GRAYDON, STUART, GB
- [72] SMYTH, STUART, GB
- [71] SANDVIK LTD, GB
- [85] 2023-10-23
- [86] 2022-04-26 (PCT/EP2022/061002)
- [87] (WO2022/238106)
- [30] EP (21173175.7) 2021-05-11

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[13] A1

- [51] Int.Cl. B01F 23/60 (2022.01) B01F 27/90 (2022.01) B01F 33/81 (2022.01) B01F 35/22 (2022.01) B28C 5/12 (2006.01) B28C 5/16 (2006.01) C04B 7/12 (2006.01) C04B 7/153 (2006.01) C04B 7/22 (2006.01) C04B 7/24 (2006.01) C04B 28/06 (2006.01) C04B 28/10 (2006.01) C04B 28/12 (2006.01)
- [25] EN
- [54] ALKALINE ACTIVATED CEMENT PRECURSOR FORMING CEMENTITIOUS DRY AND WET MIXTURE, METHODS AND SYSTEMS
- [54] PROCEDES ET COMPOSITIONS SE RAPPORTANT AU CIMENT A ACTIVATION ALCALINE
- [72] GILLIGAN, ELIZABETH, GB
- [72] WITT, ERIC, US
- [71] MATERIAL. EVOLUTION LTD., GB
- [85] 2023-10-23
- [86] 2022-04-25 (PCT/US2022/026207)
- [87] (WO2022/226417)
- [30] US (63/179,141) 2021-04-23

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[21] **3,216,425**  
[13] A1

[51] Int.Cl. F15B 1/02 (2006.01) F17C  
13/02 (2006.01)  
[25] EN  
[54] INHIBITING THE CHAMPAGNE  
EFFECT IN HYDROSTATICALLY  
COMPENSATED CAES SYSTEMS  
[54] INHIBITION DE L'EFFET  
CHAMPAGNE DANS DES  
SYSTEMES CAES A  
COMPENSATION  
HYDROSTATIQUE  
[72] YOUNG, DAVIN, CA  
[72] BRANCH, CRAIG, GB  
[72] BROWN, DAVID, CA  
[71] HYDROSTOR INC., CA  
[85] 2023-10-23  
[86] 2022-04-28 (PCT/CA2022/050656)  
[87] (WO2022/226656)  
[30] US (63/181,327) 2021-04-29

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[21] **3,216,426**  
[13] A1

[51] Int.Cl. H02J 3/32 (2006.01)  
[25] EN  
[54] POWER PROCESSING AND  
ENERGY STORAGE  
[54] TRAITEMENT DE PUISSANCE ET  
STOCKAGE D'ENERGIE  
[72] AVESTRUZ, AL-THADDEUS, US  
[72] CUI, XIAOFAN, US  
[72] SIEGEL, JASON, US  
[71] THE REGENTS OF THE  
UNIVERSITY OF MICHIGAN, US  
[85] 2023-10-23  
[86] 2022-04-22 (PCT/US2022/025990)  
[87] (WO2022/226335)  
[30] US (63/178,638) 2021-04-23

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[21] **3,216,427**  
[13] A1

[51] Int.Cl. C10G 9/36 (2006.01) C10G  
1/10 (2006.01) C10G 29/16 (2006.01)  
C10G 45/38 (2006.01) C10G 45/40  
(2006.01) C10G 53/04 (2006.01) C10G  
53/08 (2006.01) C10G 53/12 (2006.01)  
C10G 65/02 (2006.01) C10G 69/04  
(2006.01) C10G 69/06 (2006.01)

[25] FR  
[54] METHOD FOR PURIFYING  
HYDROCARBON FEEDSTOCK  
AND USE THEREOF  
[54] PROCEDE DE PURIFICATION DE  
CHARGE HYDROCARBONEE ET  
UTILISATION  
[72] COUSTHAM, THOMAS, FR  
[72] LEGRAND, CHRISTINE, FR  
[72] COULOMBEAU-LEROY, HELENE,  
FR  
[71] TOTALENERGIES ONETECH, FR  
[85] 2023-10-23  
[86] 2022-05-02 (PCT/FR2022/050844)  
[87] (WO2022/234226)  
[30] FR (FR2104617) 2021-05-03

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[13] A1

[51] Int.Cl. C12Q 1/6886 (2018.01) C12Q  
1/6827 (2018.01) C12Q 1/6874  
(2018.01) C12Q 1/6883 (2018.01)  
G16B 20/20 (2019.01)  
[25] EN  
[54] METHODS AND SYSTEMS FOR  
ANALYZING NUCLEIC ACID  
MOLECULES  
[54] PROCEDES ET SYSTEMES POUR  
ANALYSER DES MOLECULES  
D'ACIDE NUCLEIQUE  
[72] CHABON, JACOB J., US  
[72] KURTZ, DAVID M., US  
[72] DIEHN, MAXIMILIAN, US  
[72] ALIZADEH, ARASH ASH, US  
[71] THE BOARD OF TRUSTEES OF THE  
LELAND STANFORD JUNIOR  
UNIVERSITY, US  
[85] 2023-10-23  
[86] 2022-04-15 (PCT/US2022/071759)  
[87] (WO2022/236221)  
[30] US (17/308,958) 2021-05-05  
[30] US (63/224,795) 2021-07-22  
[30] US (63/188,410) 2021-05-13

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[13] A1

[51] Int.Cl. B01D 29/64 (2006.01) B01D  
29/68 (2006.01) B01D 29/94 (2006.01)  
D06F 39/10 (2006.01)  
[25] EN  
[54] A PRESSURE CONSUMPTION  
REGENERATING FILTER  
[54] FILTRE A REGENERATION DE  
CONSOMMATION DE PRESSION  
[72] LAWRENCE-OWEN, MICHAEL, GB  
[72] D'ORTON GIBSON, REUBEN, GB  
[72] KETTLE AIERS, REUBEN, GB  
[72] FEENEY, FERGAL, GB  
[72] ROOT, ADAM, GB  
[71] INHERITING EARTH LIMITED, GB  
[85] 2023-10-23  
[86] 2022-04-29 (PCT/EP2022/061489)  
[87] (WO2022/229388)  
[30] GB (2106260.9) 2021-04-30  
[30] GB (2116312.6) 2021-11-12

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[21] **3,216,430**  
[13] A1

[25] EN  
[54] COMPOSITIONS AND METHODS  
FOR PHOSPHORAMEDITE-FREE  
ENZYMATIC SYNTHESIS OF  
NUCLEIC ACIDS  
[54] COMPOSITIONS ET PROCEDES  
POUR LA SYNTHESE  
ENZYMATIQUE EXEMPTE DE  
PHOSPHORAMEDITE D'ACIDES  
NUCLEIQUES  
[72] STEMPLE, DEREK, GB  
[72] MANKOWSKA, SYLWIA, GB  
[72] BELL, NEIL, GB  
[71] CAMENA BIOSCIENCE LIMITED,  
GB  
[85] 2023-10-23  
[86] 2022-04-26 (PCT/US2022/026333)  
[87] (WO2022/232134)  
[30] US (63/179,828) 2021-04-26

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[13] A1

- [51] Int.Cl. B01D 29/68 (2006.01)
  - [25] EN
  - [54] A PUMP-EQUIPPED SEPARATOR
  - [54] SEPARATEUR EQUIPE D'UNE POMPE
  - [72] D'ORTON GIBSON, REUBEN, GB
  - [72] LAWRENCE-OWEN, MICHAEL, GB
  - [72] KETTLE AIERS, REUBEN, GB
  - [72] FEENEY, FERGAL, GB
  - [72] ROOT, ADAM, GB
  - [71] INHERITING EARTH LIMITED, GB
  - [85] 2023-10-23
  - [86] 2022-04-29 (PCT/EP2022/061490)
  - [87] (WO2022/229389)
  - [30] GB (2106272.4) 2021-04-30
  - [30] GB (2116312.6) 2021-11-12
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[13] A1

- [51] Int.Cl. A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61P 23/02 (2006.01) A61P 29/02 (2006.01)
  - [25] EN
  - [54] INJECTABLE ANESTHETIC SOLUTION WITH A REDUCED BITTERNESS
  - [54] SOLUTION ANESTHESIQUE INJECTABLE A AMERTUME REDUITE
  - [72] RICHARD, GILLES, FR
  - [72] PISANI, EMILIA, FR
  - [72] BALESTRA, RICHARD, FR
  - [72] ARTAUD, LAURENT, FR
  - [71] SEPTODONT OU SEPTODONT SAS OU SPECIALITES SEPTODONT, FR
  - [85] 2023-10-23
  - [86] 2022-04-29 (PCT/EP2022/061597)
  - [87] (WO2022/229446)
  - [30] EP (21305567.6) 2021-04-30
  - [30] US (63/182,097) 2021-04-30
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[13] A1

- [25] EN
  - [54] TARGET MEASUREMENT
  - [54] MESURE DE CIBLE
  - [72] O'LUANAIGH, NIAMH, IE
  - [72] SCHMIDT, MARTIN JEFFERSON, US
  - [72] SHAUGHNESSY, RONAN, IE
  - [72] MILLS, DANIEL, IE
  - [72] SHKILNYK, OKSANA, IE
  - [72] ELVINGTON, MICHELLE LYNN, US
  - [71] KYPHA, INC., US
  - [85] 2023-10-23
  - [86] 2022-05-05 (PCT/US2022/027941)
  - [87] (WO2022/235983)
  - [30] US (63/185,696) 2021-05-07
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[13] A1

- [51] Int.Cl. B28C 5/12 (2006.01) B28C 5/16 (2006.01)
  - [25] EN
  - [54] ALKALINE ACTIVATED CEMENT PRECURSOR FORMING CEMENTITIOUS DRY AND WET MIXTURE, METHODS AND SYSTEMS
  - [54] PROCEDES ET COMPOSITIONS SE RAPPORTANT AU CIMENT A ACTIVATION ALCALINE
  - [72] WITT, ERIC, US
  - [72] GILLIGAN, ELIZABETH, GB
  - [71] MATERIAL. EVOLUTION LTD., GB
  - [85] 2023-10-23
  - [86] 2022-04-25 (PCT/US2022/026209)
  - [87] (WO2022/226418)
  - [30] US (63/179,142) 2021-04-23
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[13] A1

- [25] FR
  - [54] SACRIFICIAL COMPOSITE PART THAT ABSORBS ENERGY DURING A VEHICLE COLLISION
  - [54] PIECE COMPOSITE SACRIFICIELLE ABSORBANT L'ENERGIE LORS D'UNE COLLISION D'UN VEHICULE
  - [72] VALEMBOIS, GUY, FR
  - [71] HUTCHINSON, FR
  - [85] 2023-10-23
  - [86] 2022-04-26 (PCT/EP2022/061096)
  - [87] (WO2022/229216)
  - [30] FR (FR2104352) 2021-04-27
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[13] A1

- [51] Int.Cl. C22B 60/02 (2006.01)
  - [25] EN
  - [54] THORIUM PEROXIDE-BASED GENERATOR FOR AC-225 GENERATION
  - [54] GENERATEUR A BASE DE PEROXYDE DE THORIUM POUR LA GENERATION D'AC-225
  - [72] Czerwinski, KEN, US
  - [72] FITZGERALD, HILARY, US
  - [71] TERRAPOWER, LLC, US
  - [85] 2023-10-23
  - [86] 2022-05-12 (PCT/US2022/028906)
  - [87] (WO2022/241070)
  - [30] US (63/187,728) 2021-05-12
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[13] A1

- [51] Int.Cl. E05F 3/10 (2006.01) E05F 3/12 (2006.01) E05F 3/20 (2006.01) E05D 7/081 (2006.01)
  - [25] EN
  - [54] HYDRAULIC HINGE FOR THE CONTROLLED ROTARY MOVEMENT OF A DOOR, A LEAF OR THE LIKE
  - [54] CHARNIERE HYDRAULIQUE PERMETTANT LE MOUVEMENT ROTATIF COMMANDÉ D'UNE PORTE, D'UN BATTANT OU ANALOGUE
  - [72] BACCHETTI, LUCIANO, IT
  - [71] IN & TEC S.R.L., IT
  - [85] 2023-10-23
  - [86] 2022-04-27 (PCT/IB2022/053913)
  - [87] (WO2022/229878)
  - [30] IT (102021000010823) 2021-04-29
  - [30] IT (102021000010829) 2021-04-29
  - [30] IT (102021000010835) 2021-04-29
  - [30] IT (102021000010841) 2021-04-29
  - [30] IT (102021000010856) 2021-04-29
  - [30] IT (102021000010859) 2021-04-29
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[13] A1

- [25] EN
- [54] METHOD, SYSTEM AND ELECTRONIC WEARABLE UNIT FOR CONTROLLING ELECTRICAL STIMULATION TO PELVIC REGION OF SUBJECT
- [54] PROCEDE, SYSTEME ET UNITE VESTIMENTAIRE ELECTRONIQUE POUR COMMANDER UNE STIMULATION ELECTRIQUE SUR LA REGION PELVIENNE D'UN SUJET
- [72] ARORA, MANISH, IN
- [72] SHAH, KOMAL, IN
- [71] INDIAN INSTITUTE OF SCIENCE, IN
- [85] 2023-10-23
- [86] 2022-04-24 (PCT/IB2022/053798)
- [87] (WO2022/224227)
- [30] IN (202141012868) 2021-04-24

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[13] A1

[51] Int.Cl. G06F 7/20 (2006.01) G06N 20/00 (2019.01) G06V 30/416 (2022.01) G06V 30/418 (2022.01) G06N 3/02 (2006.01)  
[25] EN  
[54] SOFTWARE TESTING  
[54] REALISATION DE TESTS SUR UN LOGICIEL  
[72] SEATON, JONATHON R., US  
[72] CSER, TAMAS, US  
[71] FUNCTIONIZE, INC., US  
[85] 2023-10-23  
[86] 2022-04-20 (PCT/US2022/025554)  
[87] (WO2022/226075)  
[30] US (63/178,502) 2021-04-22

[21] **3,216,441**  
[13] A1

[25] EN  
[54] VEHICLE WASH SYSTEM HAVING DRYER MEDIA DEVICES AND AN AIR MOVING ASSEMBLY FOR REMOVING MOISTURE FROM THE DRYER MEDIA DEVICES  
[54] SYSTEME DE LAVAGE DE VEHICULE AYANT DES DISPOSITIFS DE SUPPORT DE SECHOIR ET UN ENSEMBLE DE DEPLACEMENT D'AIR POUR ELIMINER L'EXCES D'HUMIDITE DES DISPOSITIFS DE SUPPORT DE SECHOIR  
[72] TURNER, BARRY S., US  
[72] PRATER, CURTIS S., US  
[72] UKKOLA, KIMMO A., US  
[72] SAYYAE, MICHAEL S., US  
[71] BELANGER, INC., US  
[85] 2023-10-23  
[86] 2022-04-25 (PCT/US2022/026205)  
[87] (WO2022/226415)  
[30] US (63/178,847) 2021-04-23

[21] **3,216,442**  
[13] A1

[51] Int.Cl. C03C 3/078 (2006.01) C03C 3/091 (2006.01) C03C 13/04 (2006.01) C03C 13/06 (2006.01)  
[25] FR  
[54] METHOD FOR MANUFACTURING GLASS FIBERS FROM UNPROCESSED MINERAL MATERIALS  
[54] PROCEDE DE FABRICATION DE FIBRES DE VERRE A PARTIR DE MATIERES MINERALES NON TRANSFORMEES  
[72] DI PIERRO, SIMONPIETRO, FR  
[72] CINTORA GONZALEZ, OCTAVIO, FR  
[72] COCHARD, JEAN-PATRICK, FR  
[72] ORTIZ, AURELIE, FR  
[71] SAINT-GOBAIN ISOVER, FR  
[71] SAINT-GOBAIN ADFORS, FR  
[85] 2023-10-23  
[86] 2022-04-28 (PCT/FR2022/050821)  
[87] (WO2022/229571)  
[30] FR (FR2104440) 2021-04-28

[21] **3,216,443**  
[13] A1

[51] Int.Cl. B28C 5/12 (2006.01) B28C 5/16 (2006.01)  
[25] EN  
[54] ALKALINE ACTIVATED CEMENT METHODS AND COMPOSITIONS  
[54] PROCEDES ET COMPOSITIONS DE CIMENT A ACTIVATION ALCALINE  
[72] WITT, ERIC, US  
[72] GILLIGAN, ELIZABETH, GB  
[71] MATERIAL EVOLUTION LTD., GB  
[85] 2023-10-23  
[86] 2022-04-25 (PCT/US2022/026212)  
[87] (WO2022/226419)  
[30] US (63/179,144) 2021-04-23

[21] **3,216,444**  
[13] A1

[51] Int.Cl. H03H 9/46 (2006.01)  
[25] EN  
[54] FILTERING STRUCTURE AND ELECTRONIC DEVICE  
[54] STRUCTURE DE FILTRE ET DISPOSITIF ELECTRONIQUE  
[72] SUI, KEHAN, CN  
[72] BAI, XINHAO, CN  
[72] ZHOU, YAN, CN  
[72] CAI, YUANBIN, CN  
[71] HUAWEI TECHNOLOGIES CO., LTD., CN  
[85] 2023-10-23  
[86] 2022-03-30 (PCT/CN2022/084218)  
[87] (WO2022/222723)  
[30] CN (202110444520.1) 2021-04-23

[21] **3,216,446**  
[13] A1

[25] EN  
[54] ORAL FLUID COLLECTION DEVICE  
[54] DISPOSITIF DE COLLECTE DE FLUIDE ORAL  
[72] NEMETH, ATILLA, CA  
[72] JACKSON, ADELE, CA  
[72] BEYERS, KOEN CATHARINA LODEWIJK, BE  
[71] ORASURE TECHNOLOGIES, INC., US  
[85] 2023-10-23  
[86] 2022-03-31 (PCT/US2022/022741)  
[87] (WO2022/231756)  
[30] US (63/179,780) 2021-04-26

[21] **3,216,447**  
[13] A1

[25] EN  
[54] INTERMITTENT CATHETER  
[54] CATHETER INTERMITTENT  
[72] NOVAK, MARIAN, GB  
[72] DONNELLY, DAVID, GB  
[71] CONVATEC LIMITED, GB  
[85] 2023-10-23  
[86] 2022-04-22 (PCT/GB2022/051010)  
[87] (WO2022/223978)  
[30] GB (2105817.7) 2021-04-23

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[21] 3,216,448  
[13] A1

[51] **Int.Cl. C22B 26/12 (2006.01) C22B 3/24 (2006.01)**  
[25] EN  
[54] **LITHIUM EXTRACTION METHOD FOR ALKALINE SOLUTION**  
[54] **PROCEDE D'EXTRACTION DE LITHIUM POUR SOLUTION ALCALINE**  
[72] LI, SUIDANG, CN  
[72] KOU, XIAOKANG, CN  
[72] GUO, FUMIN, CN  
[72] YU, JIA, CN  
[72] GAO, WENJIN, CN  
[72] FAN, LILI, CN  
[72] CHU, KAILE, CN  
[72] BIAN, WEINA, CN  
[72] WANG, YAO, CN  
[72] XIANG, PENG, CN  
[72] LIU, QIONG, CN  
[71] SUNRESIN NEW MATERIALS CO. LTD., CN  
[85] 2023-10-23  
[86] 2022-08-09 (PCT/CN2022/111010)  
[87] (WO2023/040511)  
[30] CN (202111076775.3) 2021-09-14

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[13] A1

[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/10 (2012.01) G06Q 20/32 (2012.01) G06F 21/35 (2013.01) G06F 16/955 (2019.01)**  
[25] EN  
[54] **SYSTEMS AND TECHNIQUES TO UTILIZE AN ACTIVE LINK IN A UNIFORM RESOURCE LOCATOR TO PERFORM A MONEY EXCHANGE**  
[54] **SYSTEMES ET TECHNIQUES POUR UTILISER UN LIEN ACTIF DANS UN LOCALISATEUR UNIFORME DE RESSOURCE EN VUE D'EFFECTUER UN ECHANGE D'ARGENT**  
[72] RULE, JEFFREY, US  
[72] BERGERON, GEORGE, US  
[72] NEWMAN, KAITLIN, US  
[72] HART, COLIN, US  
[71] CAPITAL ONE SERVICES, LLC, US  
[85] 2023-10-23  
[86] 2022-03-22 (PCT/US2022/021272)  
[87] (WO2022/240484)  
[30] US (17/317,262) 2021-05-11

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[21] 3,216,451  
[13] A1

[25] EN  
[54] **DIRECT SAMPLE COLLECTION PAD AND METHOD OF USE FOR ASSAY DIAGNOSIS**  
[54] **TAMPON DE PRELEVEMENT D'ECHANTILLON DIRECT ET METHODE D'UTILISATION POUR LE DIAGNOSTIC DE DOSAGE**  
[72] FISCHL, MARK, US  
[72] EMRICK, MARK, US  
[72] KARDOS, KEITH, US  
[71] ORASURE TECHNOLOGIES, INC., US  
[85] 2023-10-23  
[86] 2022-03-31 (PCT/US2022/022727)  
[87] (WO2022/231755)  
[30] US (63/179,768) 2021-04-26

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[21] 3,216,452  
[13] A1

[25] EN  
[54] **INTERMITTENT CATHETER**  
[54] **CATHETER INTERMITTENT**  
[72] PIASHEVICH, ALIAKSANDR, GB  
[72] NOVAK, MARIAN, GB  
[72] D'ANNIBALE, JARROD, US  
[72] LINDEN, COREY, US  
[72] DEDIONISIO, TONY, US  
[72] BRYANT, JASON, US  
[71] CONVATEC LIMITED, GB  
[85] 2023-10-23  
[86] 2022-04-22 (PCT/GB2022/051011)  
[87] (WO2022/223979)  
[30] GB (2105819.3) 2021-04-23

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[21] 3,216,453  
[13] A1

[51] **Int.Cl. A61M 5/158 (2006.01)**  
[25] EN  
[54] **MINIATURIZED PATCH PUMP SYSTEM**  
[54] **SYSTÈME DE POMPE PATCH MINIATURISE**  
[72] OTHEL-JACOBSEN, ERIK, DK  
[71] UNOMEDICAL A/S, DK  
[85] 2023-10-23  
[86] 2022-04-22 (PCT/EP2022/060652)  
[87] (WO2022/223757)  
[30] US (63/178,816) 2021-04-23

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[21] 3,216,454  
[13] A1

[25] EN  
[54] **INTERMITTENT CATHETER**  
[54] **CATHETER INTERMITTENT**  
[72] DONNELLY, DAVID, GB  
[72] PIASHEVICH, ALIAKSANDR, GB  
[72] BRYANT, JASON, US  
[71] CONVATEC LIMITED, GB  
[85] 2023-10-23  
[86] 2022-04-22 (PCT/GB2022/051014)  
[87] (WO2022/223982)  
[30] GB (2105822.7) 2021-04-23

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[21] 3,216,455  
[13] A1

[25] EN  
[54] **ADHESIVE PATCH**  
[54] **TIMBRE ADHESIF**  
[72] OTHEL-JACOBSEN, ERIK, DK  
[71] UNOMEDICAL A/S, DK  
[85] 2023-10-23  
[86] 2022-04-22 (PCT/EP2022/060649)  
[87] (WO2022/223754)  
[30] US (63/178,808) 2021-04-23

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[21] 3,216,456  
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) C07D 487/14 (2006.01)**  
[25] EN  
[54] **5-HT2A AND/OR 5-HT2C RECEPTOR AGONISTS**  
[54] **AGONISTES DU RECEPTEUR 5-HT2A ET/OU 5-HT2C**  
[72] ISAAC, METHVIN, CA  
[71] DIAMOND THERAPEUTICS INC., CA  
[85] 2023-10-23  
[86] 2022-05-04 (PCT/IB2022/000254)  
[87] (WO2022/234339)  
[30] US (63/184,715) 2021-05-05

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[25] EN
[54] USES OF A SOMATOSTATIN MODULATOR FOR THE TREATMENT OF DISEASE
[54] UTILISATIONS D'UN MODULATEUR DE SOMATOSTATINE POUR LE TRAITEMENT D'UNE MALADIE
[72] MADAN, AJAY, US
[72] LUO, SHA ROSA, US
[72] KRASNER, ALAN S., US
[71] CRINETICS PHARMACEUTICALS, INC., US
[85] 2023-10-23
[86] 2022-05-24 (PCT/US2022/030721)
[87] (WO2022/251212)
[30] US (63/193,010) 2021-05-25
[30] US (63/274,409) 2021-11-01

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[51] Int.Cl. A61M 5/158 (2006.01)
[25] EN
[54] NEEDLE AND HOUSING
[54] AIGUILLE ET BOITIER
[72] ERIK, OTHEL-JACOBSEN, DK
[71] UNOMEDICAL A/S, DK
[85] 2023-10-23
[86] 2022-04-22 (PCT/EP2022/060650)
[87] (WO2022/223755)
[30] US (63/179,002) 2021-04-23

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[51] Int.Cl. C09K 17/18 (2006.01) C05G 3/70 (2020.01) C08G 65/00 (2006.01)
[25] EN
[54] IMPROVED COMPOSITION FOR WETTING OF HYDROPHOBIC SOILS
[54] COMPOSITION AMELIOREE POUR LE MOUILLAGE DE SOLS HYDROPHOBES
[72] PALMER, CHARLES F. JR., US
[72] FLOYD, WILLIAM C., III, US
[72] HANEY, LESTER A., III, US
[72] TOBIAS, ANDREW K. JR., US
[72] LOWE, ELIZABETH H., US
[71] ETHOX CHEMICALS, LLC, US
[85] 2023-10-10
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[87] (WO2022/226262)
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[54] AIGUILLE FLEXIBLE
[72] OTHEL-JACOBSEN, ERIK, DK
[71] UNOMEDICAL A/S, DK
[85] 2023-10-23
[86] 2022-04-22 (PCT/EP2022/060653)
[87] (WO2022/223758)
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[51] Int.Cl. C12M 1/00 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01)
[25] EN
[54] DYNAMIC NUTRIENT CONTROL PROCESSES
[54] PROCEDES DYNAMIQUES DE REGULATION DES NUTRIMENTS
[72] PRICE, JAMES, US
[72] BERGES-VORSANGER, STEPHANIE, US
[72] LEVY, AMALIE, US
[72] SAVAGE, STEVEN, US
[72] WEITH, ABBEY, US
[71] JANSEN BIOTECH, INC., US
[85] 2023-10-10
[86] 2022-04-12 (PCT/US2022/024404)
[87] (WO2022/221269)
[30] US (63/174,143) 2021-04-13

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[51] Int.Cl. B01J 6/00 (2006.01) B01J 12/00 (2006.01) B01J 12/02 (2006.01) B01J 19/08 (2006.01) H05H 1/44 (2006.01)
[25] EN
[54] METHOD FOR OPERATION OF A PLASMA TORCH IN A CHEMICAL REACTOR
[54] PROCEDE DE FONCTIONNEMENT D'UNE TORCHE A PLASMA DANS UN REACTEUR CHIMIQUE
[72] WIEKAMP, ATE, GB
[71] HIIROC-X DEVELOPMENTS LIMITED, GB
[85] 2023-10-10
[86] 2022-04-13 (PCT/GB2022/050939)
[87] (WO2022/219342)
[30] GB (2105246.9) 2021-04-13
[30] GB (2105247.7) 2021-04-13

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[25] EN
[54] ANTI-CD70 ANTIBODIES, CONJUGATES THEREOF AND METHODS OF USING THE SAME
[54] ANTICORPS ANTI-CD70, LEURS CONJUGUES ET LEURS PROCEDES D'UTILISATION
[72] ZHAO, BAITENG, US
[72] WANG, LEI, CN
[71] PROFOUND BIO US CO., US
[85] 2023-10-23
[86] 2022-04-22 (PCT/US2022/025966)
[87] (WO2022/226317)
[30] CN (PCT/CN2021/089164) 2021-04-23

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- [25] EN
- [54] A GUIDEWIRE DELIVERY CATHETER WITH AN EXPANDABLE ANCHORING MECHANISM FOR USE IN THE CORONARY SINUS
- [54] CATHETER DE POSE DE FIL-GUIDE POURVU D'UN MECANISME D'ANCRAGE EXTENSIBLE A UTILISER DANS LE SINUS CORONAIRE
- [72] RICKERSON, COOPER RYAN, US
- [72] COUTTEAU, STEVEN CHARLES, US
- [72] HALL, BETHANY JO, US
- [72] HADDAD, JASON JAMES RAID, US
- [71] EDWARDS LIFESCIENCES CORPORATION, US
- [85] 2023-10-10
- [86] 2022-04-26 (PCT/US2022/026332)
- [87] (WO2022/232133)
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- [25] EN
- [54] RECOMBINANT CHIMERIC BOVINE/HUMAN PARAINFLUENZA VIRUS 3 EXPRESSING SARS-COV-2 SPIKE PROTEIN AND ITS USE
- [54] VIRUS DE PARAINFLUENZA HUMAIN/BOVIN CHIMERIQUE RECOMBINANT DE TYPE 3 EXPRIMANT UNE PROTEINE SPIKE SRAS-COV-2 ET SON UTILISATION
- [72] BUCHHOLZ, URSULA J., US
- [72] MUNIR, SHIRIN, US
- [72] LE NOUEN, CYRIL, US
- [72] LIU, XUEQIAO, US
- [72] LUONGO, CINDY, US
- [72] COLLINS, PETER L., US
- [71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
- [85] 2023-10-10
- [86] 2022-04-27 (PCT/US2022/026576)
- [87] (WO2022/232300)
- [30] US (63/180,534) 2021-04-27
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- [51] Int.Cl. C02F 1/28 (2006.01) C02F 3/12 (2006.01) B01D 69/06 (2006.01) B01D 69/08 (2006.01) B01J 20/28 (2006.01) C02F 1/44 (2006.01) C02F 1/52 (2006.01) C02F 3/00 (2006.01)
- [25] EN
- [54] METHOD FOR PURIFYING CONTAMINATED WATER
- [54] PROCEDE DE PURIFICATION D'UNE EAU CONTAMINEE
- [72] WERNER, MAXIMILIAN, DE
- [72] SCHREIER, DOMINIK, DE
- [72] HETSCHEL, MARTIN, DE
- [71] MANN+HUMMEL LIFE SCIENCES & ENVIRONMENT HOLDING SINGAPORE PTE. LTD., SG
- [85] 2023-10-10
- [86] 2022-04-26 (PCT/IB2022/053857)
- [87] (WO2022/229840)
- [30] DE (10 2021 110 765.2) 2021-04-27
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[13] A1

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- [25] EN
- [54] VHH POLYPEPTIDES THAT BIND TO INTERLEUKIN 6 (IL-6), COMPOSITIONS AND METHODS OF USE THEREOF
- [54] POLYPEPTIDES VHH QUI SE LIENT A L'INTERLEUKINE 6 (IL-6), LEURS COMPOSITIONS ET METHODES D'UTILISATION
- [72] SHOEMAKER, CHARLES B., US
- [72] KANSRA, VIKRAM, US
- [71] TRUSTEES OF TUFTS COLLEGE, US
- [71] VICERO, INC., US
- [85] 2023-10-10
- [86] 2022-05-03 (PCT/US2022/027439)
- [87] (WO2022/235645)
- [30] US (63/184,441) 2021-05-05
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[13] A1

- [51] Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2018.01)
- [25] EN
- [54] TRANSGENIC PLANTS WITH IMPROVED TRAITS
- [54] PLANTES TRANSGENIQUES PRESENTANT DES CARACTERISTIQUES AMELIOREEES
- [72] SHALITIN, DROR, IL
- [72] GRIMBERG, NOAM, IL
- [72] KATZ, AVIVA, IL
- [71] PLANTARC BIO LTD., IL
- [85] 2023-10-10
- [86] 2022-04-19 (PCT/IL2022/050404)
- [87] (WO2022/224250)
- [30] US (63/178,171) 2021-04-22
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[13] A1

- [51] Int.Cl. B01D 67/00 (2006.01) B01D 69/08 (2006.01)
- [25] EN
- [54] POLYMERIC MEMBRANE AND METHODS FOR THE PRODUCTION OF SAME
- [54] MEMBRANE POLYMERIQUE ET SES PROCEDES DE PRODUCTION
- [72] SCHWINN, BRODIE, US
- [72] TEO, JIUNN, US
- [71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
- [85] 2023-10-10
- [86] 2022-05-10 (PCT/US2022/028414)
- [87] (WO2022/240782)
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[51] Int.Cl. G06T 19/00 (2011.01) G06F  
16/909 (2019.01) G06V 20/20  
(2022.01)

[25] EN

[54] AUGMENTED REALITY  
CONTENT EXPERIENCE  
SHARING USING DIGITAL  
MULTIMEDIA FILES

[54] PARTAGE DE RESENTI D'UN  
CONTENU DE REALITE  
AUGMENTEE A L'AIDE DE  
FICHERS MULTIMEDIA  
NUMERIQUES

[72] CHEN, YEN-LIN, US  
[71] GOOGLE LLC, US  
[85] 2023-10-10  
[86] 2022-04-07 (PCT/US2022/071595)  
[87] (WO2022/217256)  
[30] US (17/301,596) 2021-04-08

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[13] A1

[51] Int.Cl. B01D 53/62 (2006.01) C01B  
32/50 (2017.01) C01B 32/60 (2017.01)  
B01D 53/14 (2006.01) B01D 53/34  
(2006.01) B01D 53/78 (2006.01) C01F  
5/24 (2006.01) C01F 11/18 (2006.01)

[25] EN

[54] METHODS AND COMPOSITIONS  
FOR THE SEQUESTRATION OF  
CARBON DIOXIDE

[54] PROCEDES ET COMPOSITIONS  
POUR LA SEQUESTRATION DE  
DIOXYDE DE CARBONE

[72] JONES, JOE, US  
[71] CARBONFREE CHEMICALS  
HOLDINGS, LLC, US  
[85] 2023-10-10  
[86] 2022-04-14 (PCT/US2022/071726)  
[87] (WO2022/221861)  
[30] US (63/174,977) 2021-04-14

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[13] A1

[51] Int.Cl. A46B 9/02 (2006.01) A46B 3/12  
(2006.01) A46B 9/06 (2006.01) A46D  
1/00 (2006.01)

[25] EN

[54] PAINT BRUSH

[54] PINCEAU

[72] LU, JIANXIN, CN  
[72] ROE, MATTHEW LEE, AU  
[72] MAPSTONE, JAMIE LEIGH, AU  
[72] VON WALD, MATTHEW BURKE,  
AU

[71] AUSTRALIAN BRUSHWARE  
CORPORATION PTY LTD, AU  
[85] 2023-10-11  
[86] 2022-04-26 (PCT/AU2022/050382)  
[87] (WO2022/226586)  
[30] CN (PCT/CN2021/091471) 2021-04-30

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[21] **3,216,472**  
[13] A1

[51] Int.Cl. A47J 37/06 (2006.01) A47J  
37/07 (2006.01)

[25] EN

[54] BBQ-GRILL HOOD FOR  
ALLOWING ONE TO BAKE WITH  
THE BBQ-GRILL, AND RELATED  
SYSTEMS AND METHODS

[54] COUVERCLE DE BARBECUE-  
GRIL PERMETTANT DE  
REALISER UNE CUISSON AU  
MOYEN DU BARBECUE-GRIL, ET  
SYSTEMES ET PROCEDES  
ASSOCIES

[72] PETERSON, RICHARD, US  
[71] PETERSON, RICHARD, US  
[85] 2023-10-10  
[86] 2022-01-26 (PCT/US2022/013879)  
[87] (WO2022/216347)  
[30] US (63/172,436) 2021-04-08

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[13] A1

[51] Int.Cl. E21B 49/08 (2006.01) G01N  
1/02 (2006.01)

[25] EN

[54] MATERIAL TEST SUB  
INCLUDING ONE OR MORE  
RETAINER ASSEMBLIES FOR  
DOWNHOLE ENVIRONMENTAL  
EXPOSURE

[54] RACCORD DE TEST DE  
MATERIAU COMPRENANT UN  
OU PLUSIEURS ENSEMBLES DE  
REtenUE POUR EXPOSITION A  
UN ENVIRONNEMENT DE FOND  
DE TROU

[72] MURRAY, FRASER, SG  
[72] YU, SHANSHAN, SG  
[72] VU, THANH NAM, SG  
[71] HALLIBURTON ENERGY  
SERVICES, INC., US  
[85] 2023-10-04  
[86] 2022-06-16 (PCT/US2022/033722)  
[87] (WO2022/266282)  
[30] US (63/211,973) 2021-06-17  
[30] US (17/841,111) 2022-06-15

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[13] A1

[51] Int.Cl. H05H 1/34 (2006.01)

[25] EN

[54] PLASMA TORCH AND METHOD  
OF OPERATION

[54] TORCHE A PLASMA ET  
PROCEDE DE  
FONCTIONNEMENT

[72] WIEKAMP, ATE, GB  
[71] HIIROC-X DEVELOPMENTS  
LIMITED, GB  
[85] 2023-10-11  
[86] 2022-04-13 (PCT/GB2022/050935)  
[87] (WO2022/219338)  
[30] GB (2105248.5) 2021-04-13

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[13] A1

[51] Int.Cl. H05H 1/34 (2006.01) B01J  
19/08 (2006.01) B01J 19/28 (2006.01)  
C09C 1/48 (2006.01)

[25] EN

[54] GAS SUPPLY TO PLASMA TORCH

[54] ALIMENTATION EN GAZ D'UNE  
TORCHE A PLASMA

[72] WIEKAMP, ATE, GB  
[71] HIIROC-X DEVELOPMENTS  
LIMITED, GB  
[85] 2023-10-11  
[86] 2022-04-13 (PCT/GB2022/050937)  
[87] (WO2022/219340)  
[30] GB (2105245.1) 2021-04-13

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 [25] EN  
**[54] OFATUMUMAB FOR TREATING MULTIPLE SCLEROSIS IN ASIAN PATIENTS**  
**[54] OFATUMUMAB POUR LE TRAITEMENT DE LA SCLEROSE EN PLAQUES CHEZ DES PATIENTS ASIATIQUES**  
 [72] PINGILI, RATNAKAR, US  
 [71] NOVARTIS AG, CH  
 [85] 2023-10-11  
 [86] 2022-04-13 (PCT/EP2022/059900)  
 [87] (WO2022/219057)  
 [30] US (63/174,765) 2021-04-14

**[21] 3,216,480**

[13] A1

- [51] Int.Cl. A61K 31/137 (2006.01) C07B 53/00 (2006.01) C07C 45/44 (2006.01)  
 [25] EN  
**[54] NOVEL METHODS FOR SYNTHETIZING ENANTIPURE (S)-METHADONE, (R)-METHADONE, RACEMIC (R,S)-METHADONE AND RELATED ANALOGUE SUBSTANCES**  
**[54] NOUVEAUX PROCEDES DE SYNTHESE D'ENANTIOPURE (S)-METHADONE, (R)-METHADONE, (R,S)-METHADONE RACEMIQUE ET SUBSTANCES ANALOGUES ASSOCIEES**  
 [72] MANFREDI, PAOLO L., US  
 [72] INTURRISI, CHARLES E., US  
 [72] MATTAREI, ANDREA, IT  
 [72] BANZATO, MARCO, IT  
 [72] FURLAN, ALBERTO, IT  
 [72] ONGARO, ALBERTO, IT  
 [72] HEASLEY, BRIAN H., US  
 [72] TUCKER, ZACHARY D., US  
 [71] MANFREDI, PAOLO L., US  
 [71] INTURRISI, CHARLES E., US  
 [85] 2023-10-10  
 [86] 2022-04-08 (PCT/US2022/023950)  
 [87] (WO2022/217013)  
 [30] US (63/172,901) 2021-04-09

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[13] A1

- [51] Int.Cl. B29C 65/00 (2006.01) B29C 65/08 (2006.01)  
 [25] EN  
**[54] ULTRASOUND THREAD WELDING**  
**[54] SOUDAGE DE FIL PAR ULTRASONS**  
 [72] TJADER, TAINA, FI  
 [72] MIKKONEN, JOONAS, FI  
 [72] TOYRYLA, ANTTI, FI  
 [72] RISKI, JARI, FI  
 [72] PERALA, PETRI, FI  
 [72] LYTYKAINEN, HEIKKI, FI  
 [72] MOISALA, ESKO, FI  
 [72] POHJOLA, JUUSO, FI  
 [72] ROINE, JORMA, FI  
 [71] BAYER OY, FI  
 [85] 2023-10-11  
 [86] 2022-04-07 (PCT/EP2022/059213)  
 [87] (WO2022/218797)  
 [30] EP (21168237.2) 2021-04-14

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[13] A1

- [51] Int.Cl. H05B 47/115 (2020.01) H05B 45/12 (2020.01) H05B 45/22 (2020.01)  
 [25] EN  
**[54] TECHNOLOGIES FOR MEASURING AND ANALYZING ROADWAY OR PATHWAY LIGHTING DATA**  
**[54] TECHNOLOGIES DE MESURE ET D'ANALYSE DE DONNEES D'ECLAIRAGE DE CHAUSSEE OU DE VOIE**  
 [72] LILIEN, ADAM, US  
 [71] UL LLC, US  
 [85] 2023-10-10  
 [86] 2022-04-12 (PCT/US2022/024329)  
 [87] (WO2022/221224)  
 [30] US (63/174,203) 2021-04-13

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[13] A1

- [51] Int.Cl. A47K 5/12 (2006.01)  
 [25] EN  
**[54] WALL-MOUNTED DISPENSER**  
**[54] DISTRIBUTEUR MURAL**  
 [72] SCHMIDT, JOHANNES, DE  
 [72] CEPIN, MITJA, SI  
 [71] ADA COSMETICS INTERNATIONAL GMBH, DE  
 [85] 2023-10-11  
 [86] 2022-04-20 (PCT/EP2022/060338)  
 [87] (WO2022/223571)  
 [30] DE (20 2021 102 144.6) 2021-04-21  
 [30] DE (20 2021 102 840.8) 2021-05-25  
 [30] DE (10 2021 126 809.5) 2021-10-15

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[13] A1

- [51] Int.Cl. B27N 1/00 (2006.01) A47G 19/00 (2006.01) B27N 3/00 (2006.01) B27N 3/14 (2006.01) B27N 3/18 (2006.01) B27N 3/20 (2006.01) B27N 3/26 (2006.01) B27N 5/00 (2006.01)  
 [25] EN  
**[54] METHOD AND APPARATUS FOR DRY MANUFACTURING RIGID CELLOLUSE PRODUCTS**  
**[54] PROCEDE ET APPAREIL DE FABRICATION PAR VOIE SECHE DE PRODUITS CELLULOSES RIGIDES**  
 [72] ENGLANDER, MARIA, SE  
 [72] CORIN, MARCUS, SE  
 [72] ALTNER, ANNA, SE  
 [72] EDWARDSSON, GUNNAR, SE  
 [71] YANGI AB, SE  
 [85] 2023-10-11  
 [86] 2022-01-17 (PCT/EP2022/050866)  
 [87] (WO2022/238017)  
 [30] SE (2150604-3) 2021-05-12

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- [25] EN
- [54] METABOLIC INHIBITORS FOR CONTROLLING BIOFILM
- [54] INHIBITEURS METABOLIQUES POUR LUTTER CONTRE UN BIOFILM
- [72] DAVE. HITESHKUMAR, US
- [72] STENZEL, OLIVIA, US
- [71] MC (US) 3 LLC, US
- [85] 2023-10-10
- [86] 2022-04-15 (PCT/US2022/025027)
- [87] (WO2022/221664)
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- [25] EN
- [54] METHODS AND COMPOSITIONS FOR TREATMENT OF CYSTIC FIBROSIS
- [54] PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DE LA FIBROSE KYSTIQUE
- [72] SMITH, MARK, US
- [72] EXCOFFON, KATHERINE, US
- [72] LIN, SHEN, US
- [72] MAHANKALI, MADHUPRIYA, US
- [72] YUEN, ERIC, US
- [72] KOLBECK, ROLAND, US
- [72] GLATFELTER, MATTHEW, US
- [71] SPIROVANT SCIENCES, INC., US
- [85] 2023-10-10
- [86] 2022-04-15 (PCT/US2022/025061)
- [87] (WO2022/221684)
- [30] US (63/175,507) 2021-04-15
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- [25] EN
- [54] METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCT FOR DISPENSING DRUG PRODUCT IN A DRUG PRODUCT PACKAGING SYSTEM USING ROUND-ROBIN DRAW DOWN FROM HOLDING CANISTERS
- [54] PROCEDES, SYSTEMES ET PRODUIT-PROGRAMME D'ORDINATEUR POUR DISTRIBUER UN PRODUIT MEDICAMENTEUX DANS UN SYSTEME D'EMBALLAGE DE PRODUIT MEDICAMENTEUX A L'AIDE D'UN TIRAGE A TOUR DE ROLE A PARTIR DE CARTOUCHES DE MAINTIEN
- [72] BISHOP, BRIAN, US
- [71] PARATA SYSTEMS, LLC, US
- [85] 2023-10-10
- [86] 2022-04-25 (PCT/US2022/026137)
- [87] (WO2022/232020)
- [30] US (63/179,738) 2021-04-26

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- [25] EN
- [54] FEEDING SYSTEM FOR INTERNAL COMBUSTION ROTARY ENGINES AND TURBINES
- [54] SYSTEME D'ALIMENTATION POUR MOTEURS ROTATIFS ET TURBINES A COMBUSTION INTERNE
- [72] MUÑOZ SAIZ, MANUEL, ES
- [71] MUÑOZ SAIZ, MANUEL, ES
- [85] 2023-10-05
- [86] 2022-04-04 (PCT/ES2022/000016)
- [87] (WO2022/214716)
- [30] ES (U202100152) 2021-04-05
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- [25] EN
- [54] APPLICATIONS OF GHR-106 MONOClonal antibody AS A GNRH ANTAGONIST
- [54] APPLICATIONS D'UN ANTICORPS MONOClonal GHR-106 EN TANT QU'ANTAGONISTE DE GNRH
- [72] LEE, CHI-YU GREGORY, CA
- [71] VANCOUVER BIOTECH LTD., CA
- [85] 2023-10-11
- [86] 2022-05-17 (PCT/CA2022/050777)
- [87] (WO2022/241549)
- [30] US (63/189,852) 2021-05-18
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- [25] FR
- [54] ASSEMBLY OF DIAGONAL TUBES ON A MAIN TUBE OF A LATTICE BEAM MADE OF COMPOSITE MATERIAL
- [54] ASSEMBLAGE DE TUBES DIAGONAUX SUR UN TUBE PRINCIPAL D'UNE POUTRE TREILLIS EN MATERIAU COMPOSITE
- [72] PORTOLES, JOSE, FR
- [72] FERRER, DENIS, FR
- [71] EPSILON COMPOSITE, FR
- [85] 2023-10-24
- [86] 2022-03-31 (PCT/FR2022/050615)
- [87] (WO2022/243614)
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[25] EN  
[54] METHOD OF TESTING THE THERMAL PERFORMANCE OF AN OBJECT  
[54] PROCEDE DE TEST DE PERFORMANCE THERMIQUE D'UN OBJET  
[72] SCHLYTTER-HENRICHSEN, CHRISTIAN, NO  
[71] FAVUSEAL AS, NO  
[85] 2023-10-11  
[86] 2022-04-08 (PCT/EP2022/059464)  
[87] (WO2022/218864)  
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[25] EN  
[54] STATICALLY OPTIMIZED HYBRID ROLLER BEARING  
[54] ROULEMENT A ROULEAUX HYBRIDE A OPTIMISATION STATIQUE  
[72] MOSHAMMER, HORST, DE  
[71] IGUS GMBH, DE  
[85] 2023-10-10  
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C07F 9/6561 (2006.01) C07F 9/6568 (2006.01)  
[25] EN  
[54] PHOSPHORUS DERIVATIVES AS NOVEL SOS1 INHIBITORS  
[54] UTILISATION DE DERIVES DE PHOSPHORE EN TANT QUE NOUVEAUX INHIBITEURS DE SOS1  
[72] PAPE, FELIX, DE  
[72] GRESSIES, STEFFEN, DE  
[72] STELLFELD, TIMO, DE  
[72] MORTIER, JEREMIE XAVIER, DE  
[72] ATANAS MARINOV, KAMBUROV, DE  
[72] BADER, BENJAMIN, DE  
[72] GRAHAM, KEITH, DE  
[72] HILLIG, ROMAN, AU  
[72] SCHRODER, JENS, DE  
[72] HETHEY, CHRISTOPH PHILIPP, DE  
[72] ARLT, MATTHIAS, DE  
[72] SIEMEISTER, GERHARD, DE  
[72] ERKELENZ, MICHAEL, DE  
[72] NOWAK-REPPEL, KATRIN, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[85] 2023-10-11  
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[87] (WO2022/219035)  
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[51] Int.Cl. F16C 29/02 (2006.01) F16C 33/20 (2006.01) F16J 1/02 (2006.01)  
[25] EN  
[54] PLAIN BEARING ASSEMBLY HAVING A RAIL AND A SLIDE  
[54] ENSEMBLE PALIER LISSE DOTE D'UN RAIL ET D'UNE CURSEUR  
[72] KOCHING, FABIAN, DE  
[71] IGUS GMBH, DE  
[85] 2023-10-11  
[86] 2022-04-08 (PCT/EP2022/059515)  
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[30] DE (20 2021 101 946.8) 2021-04-12

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[25] EN  
[54] NOVEL HETEROCYCLIC COMPOUNDS  
[54] NOUVEAUX COMPOSES HETEROCYCLIQUES  
[72] STOICESCU, DAN FLORIN, CH  
[71] FLORATEK PHARMA SA, CH  
[85] 2023-10-11  
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[25] EN  
[54] MANUFACTURING PROCESS FOR MOLDED FOOTWEAR  
[54] PROCESSUS DE FABRICATION POUR UNE CHAUSSURE MOULEE  
[72] ANDREWS, SAMUEL S., US  
[72] JOELSON, ALEXANDRA B., US  
[72] BROWERS, JACK A., US  
[72] KHAN, SHAHWAZ, US  
[71] WAYVE, INC., US  
[85] 2023-10-11  
[86] 2022-04-05 (PCT/US2022/023541)  
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- [25] EN
- [54] PYRIDINE DERIVATIVES WITH C-LINKED CYCLIC SUBSTITUENTS AS CGAS INHIBITORS
- [54] DERIVES DE PYRIDINE AYANT DES SUBSTITUANTS CYCLIQUES LIES A C EN TANT QU'INHIBITEURS DE CGAS
- [72] HEIMANN, ANNEKATRIN CHARLOTTE, DE
- [72] GNAMM, CHRISTIAN, DE
- [72] GODBOUT, CEDRICKX, DE
- [72] GROSS, PATRICK, DE
- [72] HANDSCHUH, SANDRA RUTH, DE
- [72] HOENKE, CHRISTOPH, DE
- [72] KLEY, JOERG, DE
- [72] KUTTRUFF, CHRISTIAN ANDREAS, DE
- [72] REINERT, DIRK, DE
- [72] STUBER, RAPHAEL, DE
- [72] GRUNDL, MARC ALEXANDER, DE
- [72] THEIS, THEODOR, DE
- [71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
- [85] 2023-10-11
- [86] 2022-05-09 (PCT/EP2022/062496)
- [87] (WO2022/238335)
- [30] EP (21173693.9) 2021-05-12
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- [25] EN
- [54] PRECISION SLIDING BEARING
- [54] PALIER LISSE DE PRECISION
- [72] NIERMANN, STEFAN, DE
- [72] JAEKEL, MARCO, DE
- [72] KLEINE, FABIAN, DE
- [72] POLLE, SEBASTIAN, DE
- [72] RUGE, JOHANNES, DE
- [72] TURKER, MUHAMMET ERKAM, DE
- [71] IGUS GMBH, DE
- [85] 2023-10-11
- [86] 2022-04-08 (PCT/EP2022/059520)
- [87] (WO2022/218880)
- [30] DE (20 2021 101 949.2) 2021-04-12

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- [25] EN
- [54] USE OF FUNCTIONALISED CHITOSAN IN THE TREATMENT OF INFLAMMATORY/FIBROTIC PATHOLOGIES OF THE RESPIRATORY TRACT AND HEPATIC PATHOLOGIES

- [54] UTILISATION DE CHITOSANE FONCTIONNALISE DANS LE TRAITEMENT DE PATHOLOGIES INFLAMMATOIRES/FIBROTIQUE S DES VOIES RESPIRATOIRES ET DE PATHOLOGIES HEPATIQUES

- [72] CALLEGARO, LANFRANCO, IT
- [72] BIANCHINI, GIULIO, IT
- [71] GLYCOCORE PHARMA SRL, IT
- [85] 2023-10-11
- [86] 2022-04-19 (PCT/IB2022/053638)
- [87] (WO2022/224131)
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- [25] EN
- [54] TRIAZOLONES, TETRAZOLONES, AND IMIDAZOLONES, OR THEIR SALTS, AND PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME
- [54] TRIAZOLONES, TETRAZOLONES ET IMIDAZOLONES, OU LEURS SELS, ET COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT
- [72] TAK, HEE JAE, KR
- [72] KIM, EUN KYUNG, KR
- [72] CHO, HYOK JUN, KR
- [72] LIM, CHEOL HEE, KR
- [71] YUHAN CORPORATION, KR
- [85] 2023-10-11
- [86] 2022-04-21 (PCT/IB2022/053747)
- [87] (WO2022/224195)
- [30] KR (10-2021-0052441) 2021-04-22

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- [25] EN
- [54] METHODS FOR THE ADMINISTRATION OF ADAMTS BINDING IMMUNOGLOBULINS
- [54] PROCEDES D'ADMINISTRATION D'IMMUNOGLOBULINES SE LIANT A ADAMTS
- [72] FLESCH, GERARD, CH
- [72] GUEHRING, HANS, DE
- [72] SCHIEKER, MATTHIAS KLAUS, CH
- [71] NOVARTIS AG, CH
- [71] MERCK PATENT GMBH, DE
- [85] 2023-10-11
- [86] 2022-04-29 (PCT/IB2022/054001)
- [87] (WO2022/229922)
- [30] US (63/182,561) 2021-04-30
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[25] EN
[54] OPTICAL ISOLATOR
[54] ISOLATEUR OPTIQUE
[72] YAHAGI, AKIRA, JP
[72] MAKIKAWA, SHINJI, JP
[71] SHIN-ETSU CHEMICAL CO., LTD., JP
[85] 2023-10-11
[86] 2022-03-28 (PCT/JP2022/014940)
[87] (WO2022/230528)
[30] JP (2021-075903) 2021-04-28

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[25] EN
[54] BULLET FOR AMMUNITION
[54] PROJECTILE POUR MUNITIONS
[72] MUSTER, MICHAEL, CH
[72] GRUNIG, MARKUS, CH
[72] MEYER, DONALD, CH
[71] RUAG AMMOTEC AG, CH
[85] 2023-10-24
[86] 2022-05-04 (PCT/EP2022/062059)
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[30] DE (10 2021 112 014.4) 2021-05-07

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[25] EN
[54] APPARATUS FOR AUDIO TRANSMISSION FOR A SPORTS FIELD
[54] APPAREIL DE TRANSMISSION AUDIO POUR UN TERRAIN DE SPORT
[72] PANELLA, ENNIO, IT
[71] PANELLA, ENNIO, IT
[85] 2023-10-11
[86] 2022-10-13 (PCT/IB2022/059814)
[87] (WO2023/062572)
[30] IT (102021000026354) 2021-10-14

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[25] EN
[54] A SYSTEM AND A METHOD FOR NON-VERBAL COMMUNICATION
[54] SYSTEME ET PROCEDE DE COMMUNICATION NON VERBALE
[72] BELLANI, GIACOMO, IT
[71] DICO TECHNOLOGIES S.R.L., IT
[85] 2023-10-24
[86] 2022-05-06 (PCT/IB2022/054194)
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[30] IT (102021000013235) 2021-05-21

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[25] EN
[54] PROPYLENE-BASED COPOLYMER, PREPARATION METHOD THEREFOR AND USE THEREOF, AND POLYPROPYLENE COMPOSITION CONTAINING SAME
[54] COPOLYMER A BASE DE PROPYLENE, PROCEDE DE PREPARATION ASSOCIE ET UTILISATION CORRESPONDANTE, ET COMPOSITION DE POLYPROPYLENE LE CONTENANT
[72] SONG, WENDO, CN
[72] FANG, YUANYUAN, CN
[72] HAN, SHULIANG, CN
[72] JIN, ZHAO, CN
[72] WANG, LUSHENG, CN
[72] LYU, JINGLAN, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[85] 2023-10-24
[86] 2022-04-21 (PCT/CN2022/088102)
[87] (WO2022/228260)
[30] CN (202110448666.3) 2021-04-25
[30] CN (202110449881.5) 2021-04-25
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- [25] EN
- [54] PLASMA TORCH, PLASMA THERMAL SPRAYING DEVICE, AND CONTROL METHOD FOR PLASMA TORCH
- [54] TORCHE A PLASMA, DISPOSITIF DE PULVERISATION DE PLASMA ET PROCEDE DE COMMANDE DE TORCHE A PLASMA
- [72] KIMURA, TAKEHIRO, JP
- [72] KIMURA, SO, JP
- [72] TANAKA, YUTA, JP
- [72] NOSE, ATSUSHI, JP
- [71] KINBOSHI INC., JP
- [85] 2023-10-11
- [86] 2022-12-27 (PCT/JP2022/048138)
- [87] (WO2023/157488)
- [30] JP (2022-022196) 2022-02-16

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- [51] Int.Cl. C12N 5/0783 (2010.01) A61K  
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- [25] EN
- [54] A METHOD OF ACTIVATING AND PROLIFERATING EXHAUSTED CD8 T CELLS, CD8 T CELLS WITH ENHANCED ACTIVITY PREPARED BY THE SAME, AND USE THEREOF
- [54] PROCEDE D'ACTIVATION ET DE PROLIFERATION DE LYMPHOCYTES T CD8 EXPOSES A UN ANTIGENE, LYMPHOCYTES T CD8, PREPARE PAR CE PROCEDE, AYANT UNE ACTIVITE ANTICANCEREUSE AMELIOREE, ET LEUR UTILISATION
- [72] SEONG, RHO HYUN, KR
- [72] NAH, JIN WOO, KR
- [71] MEDGENE THERAPEUTICS, INC., US
- [85] 2023-10-11
- [86] 2022-03-11 (PCT/KR2022/003482)
- [87] (WO2022/220412)
- [30] KR (10-2021-0047002) 2021-04-12
- [30] US (17/478,445) 2021-09-17

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- [25] EN
- [54] INORGANIC PIGMENT WITH THE FUNCTION OF LIGHT ACTIVATED CATALYST
- [54] PIGMENT INORGANIQUE A FONCTION DE CATALYSEUR ACTIVE PAR LA LUMIERE
- [72] BUCURESTEANU, RAZVAN-CATALIN, RO
- [71] SPECTRUM BLUE AS, NO
- [85] 2023-10-11
- [86] 2022-04-13 (PCT/RO2022/050005)
- [87] (WO2022/220702)
- [30] RO (a 2021 00176) 2021-04-15

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[13] A1

- [51] Int.Cl. D04H 3/11 (2012.01) D04H  
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- [25] EN
- [54] APERTURED HYDRO-PATTERRED NONWOVEN AND METHOD OF MAKING THE SAME
- [54] NON-TISSE AJOURE A HYDRO-MOTIFS ET SON PROCEDE DE FABRICATION
- [72] RAMARATNAM, KARTHIK, US
- [72] ZAJACZKOWSKI, PETER, US
- [72] PARSONS, JOHN C., US
- [72] KAUSCHKE, MICHAEL HEINZ, DE
- [72] DE BEER, ANTONIUS LAMBERTUS JOHANNES, US
- [71] PFNONWOVENS LLC, US
- [71] PFNONWOVENS HOLDING S.R.O., CZ
- [85] 2023-10-24
- [86] 2022-05-03 (PCT/US2022/027449)
- [87] (WO2022/235652)
- [30] US (63/183,190) 2021-05-03

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[13] A1

- [51] Int.Cl. B22D 41/34 (2006.01) B22D  
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- [25] EN
- [54] METHOD FOR MAINTAINING A SLIDE GATE ON A VESSEL CONTAINING A METAL MELT, AND A SLIDE GATE
- [54] PROCEDE DE MAINTENANCE D'UN ELEMENT DE FERMETURE COUILLANT SUR UN RECIPIENT CONTENANT UN METAL FONDU ET ELEMENT DE FERMETURE COUILLANT
- [72] RENGLI, RAPHAEL, CH
- [72] BUTTIGNOL, STEFANO, CH
- [71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT
- [85] 2023-10-24
- [86] 2022-05-13 (PCT/EP2022/063048)
- [87] (WO2022/238564)
- [30] EP (21173829.9) 2021-05-14

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[13] A1

- [51] Int.Cl. C40B 60/14 (2006.01) B01L  
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- [25] EN
- [54] CAPS FOR ASSAY DEVICES
- [54] CAPUCHONS POUR DISPOSITIFS DE DOSAGE
- [72] MAHAKALKAR, KAMIL, US
- [72] CHUNG, KENNETH, US
- [72] LU, JESSE, US
- [72] GUTIERREZ, EDGAR, US
- [72] ZHANG, YI, US
- [71] PLEXIUM, INC., US
- [85] 2023-10-11
- [86] 2021-04-16 (PCT/US2021/027762)
- [87] (WO2022/220843)

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[51] Int.Cl. H04L 9/32 (2006.01) G06Q 20/36 (2012.01) G06Q 20/38 (2012.01) G06F 15/16 (2006.01)

[25] EN

[54] COMPUTER NETWORK SYSTEMS FOR CRYPTOGRAPHICALLY-SECURED, TOKEN-BASED OPERATIONS AND METHODS OF USE THEREOF

[54] SYSTEMES DE RESEAUX INFORMATIQUES POUR OPERATIONS BASEES SUR DES JETONS ET SECURISEES PAR CRYPTOGRAPHIE ET LEURS PROCEDES D'UTILISATION

[72] BARAKAT, HORACIO, US

[72] KOLAGANI, HARSHA, US

[72] SESAGIRI, KISHORE, US

[72] SHAIK, ASHFAQ, US

[72] GARAHAN, JOHN, US

[72] MAYADAS, VIJAY, US

[72] MCMAHON, MICHAEL, US

[71] BROADRIDGE FINANCIAL SOLUTIONS, INC., US

[85] 2023-10-11

[86] 2022-03-28 (PCT/US2022/022212)

[87] (WO2022/204604)

[30] US (63/166,917) 2021-03-26

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[13] A1

[25] EN

[54] FECAL COLLECTION SYSTEMS AND METHODS

[54] SYSTEMES ET PROCEDES DE COLLECTE DE MATIERES FÉCALES

[72] SEXTON, KRISTIN M., US

[72] BOULOS, CATHERINE S., US

[72] ECKLUND, BRIAN J., US

[72] SESHAM, MEDHA, US

[72] VANHOOZER, JUSTIN L., US

[71] SAGE PRODUCTS, LLC, US

[85] 2023-10-24

[86] 2023-03-15 (PCT/US2023/064415)

[87] (WO2023/178166)

[30] US (63/319,790) 2022-03-15

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[13] A1

[51] Int.Cl. G05B 17/02 (2006.01)

[25] EN

[54] AUTOMATED OUTLIER REMOVAL FOR MULTIVARIATE MODELING

[54] ELIMINATION AUTOMATISEE DE VALEURS ABERRANTES POUR UNE MODELISATION MULTIDIMENSIONNELLE

[72] GARVIN, CHRISTOPHER J., US

[72] NGUYEN, PHONG, US

[72] RUMBERGER, SEAN M., US

[71] AMGEN INC., US

[85] 2023-10-11

[86] 2022-04-06 (PCT/US2022/023607)

[87] (WO2022/221109)

[30] US (63/174,805) 2021-04-14

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[13] A1

[51] Int.Cl. A61K 35/76 (2015.01) A61P 27/02 (2006.01) C12N 15/35 (2006.01)

[25] EN

[54] METHODS AND COMPOSITIONS FOR TREATING OCULAR DISEASES AND DISORDERS

[54] METHODES ET COMPOSITIONS POUR TRAITER DES MALADIES ET TROUBLES OCULAIRES

[72] PADEGIMAS, LINAS, US

[72] KEVANY, BRIAN, US

[71] ABEONA THERAPEUTICS INC., US

[85] 2023-10-24

[86] 2022-05-18 (PCT/US2022/029797)

[87] (WO2022/245919)

[30] US (63/189,836) 2021-05-18

[30] US (63/275,527) 2021-11-04

[30] US (63/334,949) 2022-04-26

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[13] A1

[51] Int.Cl. C12N 5/00 (2006.01) C12N 5/077 (2010.01)

[25] EN

[54] CARDIOMYOCYTES AND COMPOSITIONS AND METHODS FOR PRODUCING THE SAME

[54] MYOCYTES CARDIAQUES ET COMPOSITIONS ET PROCEDES DE PRODUCTION ASSOCIES

[72] LEE, RICHARD, T., US

[72] GARBERN, JESSICA, US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[71] THE CHILDREN'S MEDICAL CENTER CORPORATION, US

[85] 2023-10-11

[86] 2022-03-29 (PCT/US2022/022402)

[87] (WO2022/221051)

[30] US (63/173,489) 2021-04-11

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[21] 3,216,540  
[13] A1

[51] Int.Cl. A24F 40/90 (2020.01) A24F 40/95 (2020.01)

[25] EN

[54] A CHARGING CASE

[54] BOITIER DE CHARGE

[72] LAI, SAM, GB

[72] CHEN, PING CHOU, GB

[72] MASIH-UD-DIN, MOHSIN, GB

[71] NICOVENTURES TRADING LIMITED, GB

[85] 2023-10-24

[86] 2022-05-25 (PCT/GB2022/051327)

[87] (WO2022/248857)

[30] GB (2107603.9) 2021-05-27

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[13] A1

[51] Int.Cl. A24F 40/95 (2020.01)

[25] EN

[54] A CHARGING CASE

[54] BOITIER DE CHARGE

[72] LAI, SAM, GB

[72] CHEN, PING CHOU, GB

[72] MASIH-UD-DIN, MOHSIN, GB

[71] NICOVENTURES TRADING LIMITED, GB

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[30] GB (2107602.1) 2021-05-27

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- [25] EN
- [54] COMPOSITIONS AND METHODS FOR TREATING CANCER
- [54] COMPOSITIONS ET METHODES DE TRAITEMENT DU CANCER
- [72] LIM, CHAEMIN, US
- [72] BANOGLU, ERDEN, TR
- [72] CALISKAN, BURCU, TR
- [72] SAHIN, OZGUR, US
- [72] VEMPATI, SRIDHAR, US
- [72] LENGERLI, DENIZ, TR
- [72] IBIS, KUBRA, TR
- [72] CRUZ, EMMANUEL, US
- [71] A2A PHARMACEUTICALS, INC., US
- [71] ONCOCUBE THERAPEUTICS LLC, US
- [85] 2023-10-11
- [86] 2022-04-11 (PCT/US2022/024263)
- [87] (WO2022/221194)
- [30] US (63/173,796) 2021-04-12

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[13] A1

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- [25] EN
- [54] TREATMENT OF ESSENTIAL TREMOR
- [54] TRAITEMENT DE TREMBLEMENTS ESSENTIELS
- [72] COLQUHOUN, HELEN ANNE, US
- [72] BANKOLE, OLUWAKEMI, GB
- [72] ELDAR-LISSAI, ADI, US
- [72] GERBASI, MARGARET ELIZABETH, US
- [72] WALD, JEFFREY A., US
- [71] SAGE THERAPEUTICS, INC., US
- [85] 2023-10-11
- [86] 2022-04-11 (PCT/US2022/024264)
- [87] (WO2022/221195)
- [30] US (63/173,867) 2021-04-12

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[13] A1

- [51] Int.Cl. A61K 31/05 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01)
- [25] EN
- [54] WOUND TREATMENT COMPOSITION
- [54] COMPOSITION DE TRAITEMENT DE PLAIES
- [72] HENRIKSEN, LONE, DK
- [71] CS MEDICA A/S, DK
- [85] 2023-10-24
- [86] 2022-05-05 (PCT/EP2022/062150)
- [87] (WO2022/234015)
- [30] DK (PA 2021 70213) 2021-05-06

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[13] A1

- [51] Int.Cl. C07D 487/08 (2006.01) A61K 31/4995 (2006.01) A61P 25/00 (2006.01)
- [25] EN
- [54] CRYSTALLINE COMPOUND OF MUSCARINIC ACETYLCHOLINE M1 RECEPTOR ANTAGONISTS
- [54] COMPOSE CRISTALLIN D'ANTAGONISTES DES RECEPTEURS MUSCARINIQUES M1 DE L'ACETYLCHOLINE
- [72] ROPPE, JEFFREY, US
- [72] BACCEI, JILL MELISSA, US
- [72] CHEN, AUSTIN CHIH-YU, US
- [72] XIONG, YIFENG, US
- [72] SCHRADER, THOMAS, US
- [72] BRAVO, YALDA, US
- [71] PIPELINE THERAPEUTICS, INC., US
- [85] 2023-10-11
- [86] 2022-04-13 (PCT/US2022/024684)
- [87] (WO2022/221450)
- [30] US (63/174,415) 2021-04-13

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- [25] EN
- [54] WATER-SOLUBLE UNIT DOSE ARTICLE INCLUDING WATER-SOLUBLE CORE CONSTRUCTION
- [54] ARTICLE EN DOSE UNITAIRE SOLUBLE DANS L'EAU COMPRENANT UNE STRUCTURE DE NOYAU SOLUBLE DANS L'EAU
- [72] KNIGHT, JONATHON D., US
- [72] BRIDEWELL, VICTORIA, US
- [72] RAMASWAMY, RAMYA, US
- [72] SLOPEK, RYAN, US
- [71] MONOSOL, LLC, US
- [85] 2023-10-24
- [86] 2022-05-06 (PCT/US2022/028211)
- [87] (WO2022/236149)
- [30] US (63/185,592) 2021-05-07
- [30] US (17/737,913) 2022-05-05

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[13] A1

- [51] Int.Cl. C02F 5/10 (2006.01) C02F 1/68 (2006.01)
- [25] EN
- [54] WATER SOFTENER SYSTEM
- [54] SYSTEME ADOUCISSEUR D'EAU
- [72] WASHBURN, BYRON LAIRD, US
- [71] NUVO RESIDENTIAL, LLC DBA NUVOH2O, US
- [85] 2023-10-11
- [86] 2022-04-13 (PCT/US2022/024713)
- [87] (WO2022/221474)
- [30] US (63/174,133) 2021-04-13

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[13] A1

- [51] Int.Cl. G06N 20/00 (2019.01)
- [25] EN
- [54] INDUSTRY SPECIFIC MACHINE LEARNING APPLICATIONS
- [54] APPLICATIONS D'APPRENTISSAGE AUTOMATIQUE SPECIFIQUES D'UNE INDUSTRIE
- [72] KANTER, JAMES MAX, US
- [72] VEERAMACHANENI, KALYAN KUMAR, US
- [71] ALTERYX, INC., US
- [85] 2023-10-24
- [86] 2022-04-22 (PCT/US2022/025903)
- [87] (WO2022/231963)
- [30] US (17/242,927) 2021-04-28

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- [51] Int.Cl. C08G 18/75 (2006.01) C08G 18/24 (2006.01) C08G 18/28 (2006.01) C08G 18/32 (2006.01) C08G 18/34 (2006.01) C08G 18/67 (2006.01) C08G 18/73 (2006.01)
- [25] EN
- [54] POWDER COATING AND CRYSTALLINE PRECURSOR CATALYST
- [54] CATALYSEUR PRECURSEUR DE REVETEMENT EN POUDRE
- [72] BRINKHUIS, RICHARD HENDRIKUS GERRIT, NL
- [72] YANG, PENGCHENG, NL
- [71] ALLNEX NETHERLANDS B.V., NL
- [85] 2023-10-24
- [86] 2022-07-05 (PCT/EP2022/068538)
- [87] (WO2023/280823)
- [30] EP (21183708.3) 2021-07-05

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- [25] EN
- [54] WATER-DISPERSIBLE ARTICLE INCLUDING WATER-DISPERSIBLE CORE CONSTRUCTION
- [54] ARTICLE DISPERSIBLE DANS L'EAU COMPORTANT UNE CONSTRUCTION DE C2UR DISPERSIBILE DANS L'EAU
- [72] KNIGHT, JONATHON D., US
- [72] BRIDEWELL, VICTORIA, US
- [72] RAMASWAMY, RAMYA, US
- [72] SLOPEK, RYAN, US
- [71] MONOSOL, LLC, US
- [85] 2023-10-24
- [86] 2022-05-06 (PCT/US2022/028212)
- [87] (WO2022/236150)
- [30] US (63/185,632) 2021-05-07
- [30] US (17/737,946) 2022-05-05

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[13] A1

- [51] Int.Cl. B62D 43/02 (2006.01) B60R 9/06 (2006.01) B62D 9/02 (2006.01) B62D 43/04 (2006.01)
- [25] EN
- [54] TIRE CARRIER AND BEDSLIDE ATTACHMENT SYSTEMS
- [54] PORTE-PNEU ET SYSTEMES DE FIXATION DE GLISSEUSE DE PLATE-FORME
- [72] DYLEWSKI, EUGENE A. II, US
- [72] ALEVA, JOHN L., US
- [71] LEER GROUP, US
- [85] 2023-10-24
- [86] 2022-04-27 (PCT/US2022/026494)
- [87] (WO2022/235465)
- [30] US (63/185,001) 2021-05-06
- [30] US (17/727,973) 2022-04-25

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[13] A1

- [51] Int.Cl. C07K 14/705 (2006.01) A61K 38/00 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) C07K 7/00 (2006.01) G01N 33/53 (2006.01)
- [25] EN
- [54] MAGEC2 IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING MAGEC2 IMMUNOGENIC PEPTIDES, AND USES THEREOF
- [54] PEPTIDES IMMUNOGENES MAGEC2, PROTEINES DE LIAISON RECONNAISSANT LES PEPTIDES IMMUNOGENES MAGEC2 ET LEURS UTILISATIONS
- [72] FERRETTI, ANDREW P., US
- [72] WANG, YIFAN, US
- [72] MACBEATH, GAVIN, US
- [72] XU, QIKAI, US
- [71] TSCAN THERAPEUTICS, INC., US
- [71] ACADEMISCH ZIEKENHUIS LEIDEN, NL
- [85] 2023-10-11
- [86] 2022-04-14 (PCT/US2022/024728)
- [87] (WO2022/221479)
- [30] US (63/174,808) 2021-04-14
- [30] US (63/329,523) 2022-04-11

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[13] A1

- [51] Int.Cl. A61K 8/81 (2006.01)
- [25] EN
- [54] SKIN CLEANSING ARTICLE INCLUDING WATER-DISPERSIBLE AND/OR WATER-SOLUBLE CORE SUBSTRATE
- [54] ARTICLE DE NETTOYAGE DE LA PEAU COMPRENANT UN SUBSTRAT DE C2UR DISPERSIBLE ET/OU SOLUBLE DANS L'EAU
- [72] KNIGHT, JONATHON D., US
- [72] BRIDEWELL, VICTORIA, US
- [72] PRATEL, JULIE S., US
- [72] GOETZ, RICHARD, US
- [72] SLOPEK, RYAN, US
- [71] MONOSOL, LLC, US
- [85] 2023-10-24
- [86] 2022-05-06 (PCT/US2022/028213)
- [87] (WO2022/236151)
- [30] US (63/185,725) 2021-05-07
- [30] US (17/737,969) 2022-05-05

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- [25] EN
- [54] REINFORCED NON-STICK COATING SYSTEM
- [54] SYSTEME DE REVETEMENT NON COLLANT RENFORCE
- [72] SPERINDIO, MATTEO, US
- [72] PIRAS, RICCARDO, US
- [72] RAVELLA, FABIO, US
- [72] JONES, IAN, US
- [72] CATTINARI, GIANLUCA, US
- [71] PPG INDUSTRIES OHIO, INC., US
- [85] 2023-10-24
- [86] 2022-05-11 (PCT/US2022/028813)
- [87] (WO2022/241019)
- [30] US (63/187,033) 2021-05-11

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[13] A1
[51] Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) C07K 16/30 (2006.01)
[25] EN
[54] CHIMERIC ANTIGEN RECEPTORS TO TARGET CD5-POSITIVE CANCERS
[54] RECEPTEURS ANTIGENIQUES CHIMERIQUES POUR CIBLER DES CANCERS CD5-POSITIFS
[72] REZVANI, KATY, US
[72] SHPALL, ELIZABETH, US
[72] BASAR, RAFET, US
[72] DAHER, MAY, US
[72] ACHARYA, SUNIL, US
[72] UPRETY, NADIMA, US
[72] NUNEZ CORTES, ANA KAREN, US
[72] ENSLEY, EMILY, US
[72] MARIN COSTA, DAVID, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2023-10-11
[86] 2022-04-14 (PCT/US2022/024842)
[87] (WO2022/221548)
[30] US (63/174,990) 2021-04-14

[21] 3,216,560
[13] A1
[51] Int.Cl. D04H 1/46 (2012.01)
[25] EN
[54] HYDRO-PATTERNEED NONWOVEN AND METHOD OF MAKING THE SAME
[54] NON-TISSE A HYDRO-MOTIFS ET SON PROCEDE DE FABRICATION
[72] RAMARATNAM, KARTHIK, US
[72] ZAJACZKOWSKI, PETER, US
[72] PARSONS, JOHN C., US
[72] KASPARKOVA, PAVLINA, CZ
[71] PFNONWOVENS LLC, US
[71] PFNONWOVENS HOLDING S.R.O., CZ
[85] 2023-10-24
[86] 2022-05-03 (PCT/US2022/027443)
[87] (WO2022/235648)
[30] US (63/183,148) 2021-05-03

[21] 3,216,562
[13] A1
[51] Int.Cl. B22F 9/18 (2006.01)
[25] EN
[54] A PROCESS FOR TRANSITION METAL OXIDE REDUCTION
[54] PROCEDE DE REDUCTION D'OXYDE DE METAL DE TRANSITION
[72] HAUSNER, JONATHAN, IL
[72] GEIFMAN, JONATHAN, IL
[72] ELIAD, LINOAM, IL
[72] GOFER, YOSSI, IL
[72] HIRSH, BARUCH, IL
[72] LORI, ORAN, IL
[71] HELIOS PROJECT LTD., IL
[85] 2023-10-24
[86] 2022-07-13 (PCT/IL2022/050754)
[87] (WO2023/286061)
[30] US (63/221,501) 2021-07-14

[21] 3,216,559
[13] A1
[51] Int.Cl. C07K 16/00 (2006.01) C07K 16/46 (2006.01)
[25] EN
[54] BALANCED CHARGE DISTRIBUTION IN ELECTROSTATIC STEERING OF CHAIN PAIRING IN MULTI-SPECIFIC AND MONOVALENT IGG MOLECULE ASSEMBLY
[54] DISTRIBUTION DE CHARGE EQUILIBREE DANS LA DIRECTION ELECTROSTATIQUE DE L'APPARIEMENT DE CHAINES DANS UN ENSEMBLE DE MOLECULES D'IGG MULTI-SPECIFIQUES ET MONOVALENTE
[72] GONG, DANYANG, US
[72] ESTES, BRAM, US
[72] WANG, ZHULUN, US
[72] GARCES, FERNANDO, US
[71] AMGEN INC., US
[85] 2023-10-11
[86] 2022-04-19 (PCT/US2022/025340)
[87] (WO2022/225921)
[30] US (63/177,325) 2021-04-20

[21] 3,216,561
[13] A1
[51] Int.Cl. G02F 1/167 (2019.01) G02F 1/1675 (2019.01) G02F 1/1676 (2019.01)
[25] EN
[54] SYNCHRONIZED DRIVING WAVEFORMS FOR FOUR-PARTICLE ELECTROPHORETIC DISPLAYS
[54] FORMES D'ONDE DE COMMANDE SYNCHRONISEES POUR AFFICHAGES ELECTROPHORETIQUES A QUATRE PARTICULES
[72] CHENG, CHIH-YU, US
[72] LIN, CRAIG, US
[72] JAN, NING-WEI, US
[72] CHIU, CHEN-KAI, US
[72] LIN, FENG-SHOW, US
[71] E INK CORPORATION, US
[85] 2023-10-11
[86] 2022-05-24 (PCT/US2022/030730)
[87] (WO2022/251218)
[30] US (63/192,905) 2021-05-25

[21] 3,216,563
[13] A1
[51] Int.Cl. C07K 16/30 (2006.01) C07K 14/54 (2006.01) C07K 14/71 (2006.01) C07K 14/725 (2006.01)
[25] EN
[54] NEW ANTI-MUC1 CARDS AND GENE EDITED IMMUNE CELLS FOR SOLID TUMORS CANCER IMMUNOTHERAPY
[54] NOUVEAUX CAR ANTI-MUC1 ET CELLULES IMMUNITAIRES MODIFIEES PAR UN GENE POUR UNE IMMUNOTHERAPIE ANTICANCEREUSE DE TUMEURS SOLIDES
[72] ARANDA-ORGILLES, BEATRIZ, FR
[72] KURCON, TOMASZ, FR
[72] POIROT, LAURENT, FR
[71] CELLECTIS S.A., FR
[85] 2023-10-24
[86] 2022-04-29 (PCT/EP2022/061532)
[87] (WO2022/229412)
[30] US (63/182,330) 2021-04-30
[30] DK (PA 2021 70361) 2021-07-06

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[13] A1

[51] Int.Cl. A61M 15/08 (2006.01) A61M 29/00 (2006.01) A62B 9/00 (2006.01)  
[25] EN  
[54] SLOW RELEASE APPARATUS FOR SLOWLY RELEASING COMPOUND IN NASAL PASSAGE  
[54] APPAREIL DE LIBERATION LENTE POUR LIBERER LENTEMENT UN COMPOSE DANS UN PASSAGE NASAL  
[72] WANG, LEI, CN  
[71] WANG, LEI, CN  
[85] 2023-10-24  
[86] 2021-04-29 (PCT/CN2021/090988)  
[87] (WO2022/226894)

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**[21] 3,216,565**  
[13] A1

[25] EN  
[54] UNDERGROUNG DRILLING RIG TRAMMING CONTROL  
[54] COMMANDE DE DEPLACEMENT SUR RAIL D'UN APPAREIL DE FORAGE SOUTERRAIN  
[72] HANSKI, SAMI, FI  
[72] ANTILA, SAMI, FI  
[72] LINDGREN, JOUNI, FI  
[71] SANDVIK MINING AND CONSTRUCTION OY, FI  
[85] 2023-10-24  
[86] 2022-05-27 (PCT/EP2022/064446)  
[87] (WO2022/248685)  
[30] EP (21176165.5) 2021-05-27

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**[21] 3,216,567**  
[13] A1

[51] Int.Cl. A01N 63/20 (2020.01)  
[25] EN  
[54] BACTERIAL STRAINS HAVING FUNGICIDAL ACTIVITY, COMPOSITIONS COMPRISING SAME AND USE THEREOF  
[54] SOUCHES BACTERIENNES AYANT UNE ACTIVITE FONGICIDE, COMPOSITIONS LES COMPRENNANT ET LEUR UTILISATION  
[72] VITERBO FAINZILBER, ADA, IL  
[72] BERCOVITZ, AMIR, IL  
[72] KUZNETS, GALIT, IL  
[72] MOVTCHAN, ANNA, IL  
[72] KIMELMAN, HADAR, IL  
[72] IONESCU, MICHAEL, IL  
[71] LAVIE BIO LTD., IL  
[85] 2023-10-24  
[86] 2022-05-02 (PCT/IL2022/050450)  
[87] (WO2022/234569)  
[30] US (63/184,791) 2021-05-06

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**[21] 3,216,568**  
[13] A1

[51] Int.Cl. H04W 40/06 (2009.01)  
[25] EN  
[54] SELECTIVE IMPORTING OF UE ADDRESSES TO VRF IN 5G NETWORKS  
[54] IMPORTATION SELECTIVE D'ADRESSES D'UE VERS VRF DANS DES RESEAUX 5G  
[72] PATEL, KEYUR, US  
[72] MURAKAMI, TETSUYA, US  
[71] ARRCUS INC., US  
[85] 2023-10-24  
[86] 2022-04-20 (PCT/US2022/025559)  
[87] (WO2022/231907)  
[30] US (17/240,726) 2021-04-26  
[30] US (17/488,833) 2021-09-29  
[30] US (17/362,071) 2021-06-29  
[30] US (17/553,559) 2021-12-16

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**[21] 3,216,572**  
[13] A1

[25] EN  
[54] AUTOMATIC PATH TRACKING FOR POWER MACHINES  
[54] SUIVI AUTOMATIQUE DE TRAJET POUR MACHINES ELECTRIQUES  
[72] NORFLEET, CALEB, US  
[72] ALEMAN, OMAR, US  
[72] MEIKE, ERIK, US  
[72] NOE, ANNEKA, US  
[72] SINGH, VARUN, US  
[72] HUANG, CAITLIN, US  
[72] RAO, TEJUS, US  
[72] SPENCER, MATTHEW, US  
[71] CLARK EQUIPMENT COMPANY, US  
[85] 2023-10-24  
[86] 2022-05-09 (PCT/US2022/028310)  
[87] (WO2022/236163)  
[30] US (63/185,630) 2021-05-07

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**[21] 3,216,575**  
[13] A1

[51] Int.Cl. A61B 17/11 (2006.01)  
[25] EN  
[54] ANASTOMOSIS FORMATION WITH MAGNETIC DEVICES HAVING BIORESORBABLE RETENTION MEMBER  
[54] FORMATION D'ANASTOMOSE AU MOYEN DE DISPOSITIFS MAGNETIQUES COMPORANT UN ELEMENT DE RETENUE BIORESORBABLE  
[72] GAGNER, MICHEL, CA  
[72] KRINKE, TODD A., US  
[72] THAURE, THIERRY, US  
[71] GT METABOLIC SOLUTIONS, INC., US  
[85] 2023-10-24  
[86] 2022-04-29 (PCT/US2022/027009)  
[87] (WO2022/232560)  
[30] US (63/201,474) 2021-04-30

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[21] **3,216,577**  
[13] A1

[51] Int.Cl. B60W 40/06 (2012.01) G06V  
20/56 (2022.01) B60W 50/00 (2006.01)

[25] EN

[54] METHOD AND APPARATUS FOR RECOGNIZING DRIVING INFORMATION BY USING PLURALITY OF MAGNETIC SENSORS

[54] PROCEDE ET APPAREIL POUR RECONNAITRE DES INFORMATIONS DE CONDUITE EN UTILISANT UNE PLURALITE DE CAPTEURS MAGNETIQUES

[72] KIM, YONG-HYUN, KR  
[72] MA, YOUNG-GIL, KR  
[72] KIM, DAE-WON, KR  
[71] JEONGSEOK CHEMICAL CORPORATION, KR  
[85] 2023-10-24  
[86] 2022-04-12 (PCT/KR2022/005292)  
[87] (WO2022/231173)  
[30] KR (10-2021-0054364) 2021-04-27

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[21] **3,216,580**  
[13] A1

[25] EN

[54] EYE EXAMINATION APPARATUS FOR USE WITH A SMARTPHONE

[54] APPAREIL D'EXAMEN DE LA VUE POUR UTILISATION AVEC TELEPHONE INTELLIGENT

[72] MANSOURI, BEHZAD, CA  
[72] ANSSARI, NEDA, CA  
[71] NEUROPTEK CORPORATION INC., CA  
[85] 2023-10-24  
[86] 2022-05-10 (PCT/CA2022/050735)  
[87] (WO2022/236409)  
[30] US (63/186,983) 2021-05-11  
[30] US (63/209,227) 2021-06-10

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[21] **3,216,581**  
[13] A1

[51] Int.Cl. G06F 9/50 (2006.01)  
[25] EN

[54] PFPCP SESSION LOAD BALANCER

[54] EQUILIBREUR DE CHARGE DE SESSION PFPCP

[72] PATEL, KEYUR, US  
[72] MURAKAMI, TETSUYA, US  
[71] ARRCUS INC., US  
[85] 2023-10-24  
[86] 2022-04-20 (PCT/US2022/025555)  
[87] (WO2022/231906)  
[30] US (17/240,726) 2021-04-26  
[30] US (17/488,833) 2021-09-29  
[30] US (17/553,522) 2021-12-16  
[30] US (17/362,071) 2021-06-29

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[21] **3,216,583**  
[13] A1

[25] EN

[54] EYE EXAMINATION APPARATUS WITH CAMERAS AND DISPLAY

[54] APPAREIL D'EXAMEN DE L'?IL COMPRENANT DES CAMERAS ET UN DISPOSITIF D'AFFICHAGE

[72] MANSOURI, BEHZAD, CA  
[72] ANSSARI, NEDA, CA  
[71] NEUROPTEK CORPORATION INC., CA  
[85] 2023-10-24  
[86] 2022-05-10 (PCT/CA2022/050736)  
[87] (WO2022/236410)  
[30] US (63/186,983) 2021-05-11  
[30] US (63/209,227) 2021-06-10

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[21] **3,216,584**  
[13] A1

[51] Int.Cl. A23L 7/10 (2016.01) A23L 7/104 (2016.01) A23L 33/125 (2016.01) A23L 33/21 (2016.01) A23P 10/40 (2016.01) A23C 11/06 (2006.01)

[25] EN

[54] FOOD OR BEVERAGE INGREDIENT COMPOSITION

[54] COMPOSITION D'INGREDIENT ALIMENTAIRE OU DE BOISSON

[72] ANANTA, EDWIN, CH  
[72] WANG, WEN, SG  
[72] TERRAZAS VELARDE, KORINA, CH  
[72] TAN, CHING THENG, MY  
[72] LIEW, SAMANTHA, SG  
[72] WAING, SEINN LAE, SG  
[71] SOCIETE DES PRODUITS NESTLE S.A., CH  
[85] 2023-10-24  
[86] 2022-05-25 (PCT/EP2022/064193)  
[87] (WO2022/253662)  
[30] SG (10202105808V) 2021-06-01

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[21] **3,216,585**  
[13] A1

[51] Int.Cl. A61P 31/14 (2006.01) C07K 16/10 (2006.01)

[25] EN

[54] NON-VIRAL DNA VECTORS EXPRESSING THERAPEUTIC ANTIBODIES AND USES THEREOF

[54] VECTEURS D'ADN NON VIRAUX EXPRIMANT DES ANTICORPS THERAPEUTIQUES ET LEURS UTILISATIONS

[72] SILVER, NATHANIEL, US  
[72] KERR, DOUGLAS ANTHONY, US  
[72] SAMAYOA, PHILLIP, US  
[72] JINDAL, SIDDHARTH, US  
[72] GAGNE, RAPHAEL, US  
[71] GENERATION BIO CO., US  
[85] 2023-10-24  
[86] 2022-04-27 (PCT/US2022/026560)  
[87] (WO2022/232289)  
[30] US (63/180,382) 2021-04-27

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[21] **3,216,586**  
[13] A1

[51] Int.Cl. A61P 25/08 (2006.01)

[25] EN

[54] PROLONGED-RELEASE PHARMACEUTICAL COMPOSITION FOR ORAL ADMINISTRATION OF SULTIAME

[54] COMPOSITION PHARMACEUTIQUE A LIBERATION PROLONGEE POUR ADMINISTRATION DE SULTIAME PAR VOIE ORALE

[72] ROUSSEL-MAUPETIT, CAROLINE, FR  
[72] GUILLET, CATHERINE, FR  
[72] GUILLERMIN, ALEXANDRA, FR  
[71] ADVICENNE, FR  
[85] 2023-10-24  
[86] 2022-05-10 (PCT/EP2022/062635)  
[87] (WO2022/238401)  
[30] EP (21305609.6) 2021-05-11  
[30] EP (21306243.3) 2021-09-10

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[13] A1

- [51] Int.Cl. H04L 45/24 (2022.01) H04L 45/74 (2022.01)  
 [25] EN  
 [54] USE OF IP NETWORKS FOR ROUTING OF CELLULAR DATA PACKETS  
 [54] UTILISATION DE RESEAUX IP POUR LE ROUTAGE DE PAQUETS DE DONNEES CELLULAIRES  
 [72] PATEL, KEYUR, US  
 [72] MURAKAMI, TETSUYA, US  
 [71] ARRCUS INC., US  
 [85] 2023-10-24  
 [86] 2022-04-20 (PCT/US2022/025549)  
 [87] (WO2022/231905)  
 [30] US (17/240,726) 2021-04-26  
 [30] US (17/488,833) 2021-09-29  
 [30] US (17/362,071) 2021-06-29

[21] 3,216,588

[13] A1

- [51] Int.Cl. F17C 5/06 (2006.01) B67C 3/10 (2006.01)  
 [25] EN  
 [54] DYNAMIC CONTROL VALVE ASSEMBLY  
 [54] ENSEMBLE SOUPAPE DE COMMANDE DYNAMIQUE  
 [72] SCHNEIDER, DANIEL E., US  
 [72] SCHNEIDER, DAVID L., US  
 [71] GREEN C02 IP, LLC, US  
 [85] 2023-10-24  
 [86] 2022-04-25 (PCT/US2022/026215)  
 [87] (WO2022/232063)  
 [30] US (17/241,387) 2021-04-27

[21] 3,216,590

[13] A1

- [51] Int.Cl. H02P 27/04 (2016.01)  
 [25] EN  
 [54] METHOD FOR CONTACTLESSLY ASCERTAINING AN OPERATING STATE  
 [54] PROCEDE DE DETERMINATION SANS CONTACT D'UN ETAT DE FONCTIONNEMENT  
 [72] WAGNER, FLORIAN, DE  
 [72] SPRUGEL, TOBIAS, DE  
 [72] JAHN, PATRICK, DE  
 [71] KAESER KOMPRESSOREN SE, DE  
 [85] 2023-10-24  
 [86] 2021-04-27 (PCT/EP2021/060955)  
 [87] (WO2022/228656)

[21] 3,216,591

[13] A1

- [51] Int.Cl. A61P 27/16 (2006.01)  
 [25] EN  
 [54] ADENO-ASSOCIATED VIRAL VECTORS FOR TRANSDUCTION OF COCHLEA  
 [54] VECTEURS VIRAUX ADENO-ASSOCIES POUR LA TRANSDUCTION DE LA COCHLEE  
 [72] DAVIDSON, BEVERLY, US  
 [72] RANUM, PAUL, US  
 [71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US  
 [85] 2023-10-24  
 [86] 2022-04-27 (PCT/US2022/026518)  
 [87] (WO2022/232257)  
 [30] US (63/180,394) 2021-04-27

[21] 3,216,592

[13] A1

- [51] Int.Cl. G21B 1/05 (2006.01)  
 [25] EN  
 [54] APPARATUS AND METHOD FOR EXTENDED PLASMA CONFINEMENT  
 [54] APPAREIL ET PROCEDE DE CONFINEMENT DE PLASMA ETENDU  
 [72] SHUMLAK, URI, US  
 [72] NELSON, BRIAN A., US  
 [72] MEIER, ERIC T., US  
 [71] ZAP ENERGY, INC., US  
 [85] 2023-10-24  
 [86] 2022-05-27 (PCT/US2022/031376)  
 [87] (WO2022/260878)  
 [30] US (63/194,866) 2021-05-28  
 [30] US (63/194,877) 2021-05-28

[21] 3,216,593

[13] A1

- [51] Int.Cl. A23L 3/46 (2006.01) A23L 33/105 (2016.01) A23L 33/115 (2016.01)  
 [25] EN  
 [54] EMULSIONS AND DERIVATIVES FOR INFUSING HYDROPHOBIC ACTIVE AGENTS INTO AN EDIBLE PRODUCT  
 [54] EMULSIONS ET DERIVES POUR IMPREGNER DES AGENTS ACTIFS HYDROPHOBES DANS UN PRODUIT COMESTIBLE  
 [72] HAN, CHUNXIAO, US  
 [72] TAMBURRO, LAUREN, US  
 [71] VERTOSA INC., US  
 [85] 2023-10-24  
 [86] 2022-04-25 (PCT/US2022/071894)  
 [87] (WO2022/232763)  
 [30] US (63/180,371) 2021-04-27

[21] 3,216,594

[13] A1

- [51] Int.Cl. F16M 11/18 (2006.01) F16B 7/10 (2006.01) F16M 11/28 (2006.01)  
 [25] EN  
 [54] TELESCOPIC COLUMN WITH STABILIZING DEVICE  
 [54] COLONNE TELESCOPIQUE AVEC DISPOSITIF DE STABILISATION  
 [72] WALKER, ROD, SE  
 [71] ROL AB, SE  
 [85] 2023-10-24  
 [86] 2022-05-17 (PCT/EP2022/063243)  
 [87] (WO2022/243272)  
 [30] EP (21174295.2) 2021-05-18

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**[21] 3,216,596**

[13] A1

- [51] Int.Cl. G06Q 20/10 (2012.01) G06Q 40/02 (2023.01) G06Q 40/12 (2023.01)
- [25] EN
- [54] **METHOD FOR REAL-TIME TRANSFER OF FUNDS BETWEEN CUSTOMER AND SELLER INCLUDING GENERATING ACCOUNTING ENTRIES**
- [54] **PROCEDE DE TRANSFERT EN TEMPS REEL DE FONDS ENTRE UN CLIENT ET UN VENDEUR COMPRENANT LA GENERATION D'ENTREES DE COMPTABILITE**
- [72] LOEWEN, WILLIAM HERBERT, CA
- [71] LOEWEN, WILLIAM HERBERT, CA
- [85] 2023-10-24
- [86] 2023-01-09 (PCT/CA2023/050015)
- [87] (WO2023/130190)
- [30] US (63/297,301) 2022-01-07
- [30] US (63/320,769) 2022-03-17

**[21] 3,216,600**

[13] A1

- [25] EN
- [54] **METHODS FOR PRODUCING NANOPARTICLE DISPERSIONS**
- [54] **PROCEDES DE PRODUCTION DE DISPERSIONS DE NANOPARTICULES**
- [72] DUBIELLA, CHRISTIAN, DE
- [72] VOGLER, JULIAN, DE
- [72] CLEMENT, PASCALE, DE
- [72] STIENEKER, FRANK, DE
- [71] LEON-NANODRUGS GMBH, DE
- [85] 2023-10-24
- [86] 2022-05-05 (PCT/EP2022/062222)
- [87] (WO2022/234050)
- [30] EP (21172324.2) 2021-05-05

**[21] 3,216,602**

[13] A1

- [51] Int.Cl. H04L 69/08 (2022.01) G01C 21/16 (2006.01)
- [25] EN
- [54] **METHODS AND SYSTEMS FOR OPERATING AN ELECTRIC VEHICLE**
- [54] **PROCEDES ET SYSTEMES POUR FAIRE FONCTIONNER UN VEHICULE ELECTRIQUE**
- [72] MANKOWSKI, PETER, CA
- [72] JAGER, WILLEM, CA
- [72] BUIN, ANDREI, CA
- [72] COELHO, LUCAS, CA
- [72] HAILU, DANIEL, CA
- [72] IKHLAS, MUHAMMAD, CA
- [71] ACCELERATED SYSTEMS INC., CA
- [85] 2023-10-24
- [86] 2022-05-02 (PCT/IB2022/054044)
- [87] (WO2022/234436)
- [30] US (63/184,090) 2021-05-04
- [30] US (63/221,239) 2021-07-13

**[21] 3,216,604**

[13] A1

- [25] EN
- [54] **LOGISTICS COMMUNICATION FLOW SYSTEMS AND METHODS**
- [54] **SYSTEMES ET PROCEDES DE FLUX DE COMMUNICATION LOGISTIQUE**
- [72] HUDICKA, JOSEPH, US
- [71] HUDICKA, JOSEPH, US
- [85] 2023-10-24
- [86] 2022-03-29 (PCT/US2022/022395)
- [87] (WO2022/212410)
- [30] US (63/167,637) 2021-03-29
- [30] US (17/707,433) 2022-03-29

**[21] 3,216,605**

[13] A1

- [51] Int.Cl. C23C 4/129 (2016.01) C23C 4/10 (2016.01)
- [25] FR
- [54] **METHOD FOR MANUFACTURING A PART COMPRISING A METAL SUBSTRATE COVERED WITH A PROTECTIVE LAYER AND A PART MANUFACTURED ACCORDING TO THIS METHOD**
- [54] **PROCEDE DE FABRICATION D'UNE PIECE COMPORTANT UN SUBSTRAT METALLIQUE RECOUVERT D'UNE COUCHE DE PROTECTION ET UNE PIECE FABRIQUEE SELON CE PROCEDE**
- [72] MONERIE-MOULIN, FRANCIS, FR
- [72] ARNOUX, MATHILDE, FR
- [71] SAFRAN LANDING SYSTEMS, FR
- [85] 2023-10-24
- [86] 2022-04-20 (PCT/FR2022/050740)
- [87] (WO2022/229539)
- [30] FR (FR2104281) 2021-04-26

**[21] 3,216,607**

[13] A1

- [51] Int.Cl. H04W 4/35 (2018.01) G06Q 10/08 (2023.01)
- [25] EN
- [54] **TRACTOR-TRAILER ID METHODS AND SYSTEM**
- [54] **PROCEDES ET SYSTEME D'IDENTIFICATION DE SEMI-REMORQUE**
- [72] LETT, DAVID B., US
- [72] SHANKAR, UDAY, US
- [72] SCHORK, MICHAEL, US
- [72] HARVEY, MICHAEL T., US
- [72] PARKS, DARRELL, US
- [71] AMETEK, INC., US
- [85] 2023-10-24
- [86] 2022-04-22 (PCT/US2022/025900)
- [87] (WO2022/231962)
- [30] US (63/182,233) 2021-04-30

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**[21] 3,216,608**  
[13] A1

[25] EN  
**[54] IMPROVED USE OF IP NETWORKS FOR ROUTING OF CELLULAR DATA PACKETS**  
**[54] UTILISATION AMELIOREE DE RESEAUX IP POUR LE ROUTAGE DE PAQUETS DE DONNEES CELLULAIRES**  
[72] PATEL, KEYUR, US  
[72] MURAKAMI, TETSUYA, US  
[71] ARRCUS INC., US  
[85] 2023-10-24  
[86] 2022-04-20 (PCT/US2022/025600)  
[87] (WO2022/231919)  
[30] US (17/240,726) 2021-04-26  
[30] US (17/362,071) 2021-06-29

**[21] 3,216,610**  
[13] A1

[51] Int.Cl. C08G 18/50 (2006.01) C08G 18/52 (2006.01) C08G 18/64 (2006.01) C08G 18/75 (2006.01) C08G 18/80 (2006.01)  
[25] EN  
**[54] ISOCYANATE-FUNCTIONALIZED ORGANOSILANES AS ADHESION PROMOTERS IN SEALANT AND PRIMER COMPOSITIONS**  
**[54] ORGANOSILANES A FONCTION ISOCYANATE EN TANT QUE PROMOTEURS D'ADHERENCE DANS DES COMPOSITIONS D'ETANCHEITE ET D'APPRET**  
[72] DEMPFL, JONAS, DE  
[72] KOVALENKO, ALEXANDER, DE  
[71] CHEMETALL GMBH, DE  
[85] 2023-10-24  
[86] 2022-04-27 (PCT/EP2022/061238)  
[87] (WO2022/229275)  
[30] EP (21170836.7) 2021-04-28

**[21] 3,216,611**  
[13] A1

[25] EN  
**[54] PATIENT SUPPORT APPARATUSSES WITH DISPLAYS**  
**[54] APPAREILS DE SUPPORT DE PATIENT DOTES DE DISPOSITIFS D'AFFICHAGE**  
[72] SUKUMARAN, SUJAY, US  
[72] THOMAS, MADHU, CA  
[72] FRIED, TRACY LEANNE, US  
[72] GHODSI, SEYED BEHRAD, US  
[71] STRYKER CORPORATION, US  
[85] 2023-10-24  
[86] 2022-05-05 (PCT/US2022/027790)  
[87] (WO2022/235878)  
[30] US (63/185,410) 2021-05-07

**[21] 3,216,614**  
[13] A1

[51] Int.Cl. A61K 47/55 (2017.01)  
[25] EN  
**[54] DEUBIQUITINASE-TARGETING CHIMERAS AND RELATED METHODS**  
**[54] CHIMERES CIBLANT LA DESUBIQUITINASE ET PROCEDES ASSOCIES**  
[72] BOIKE, LYDIA, US  
[72] DOVALA, DUSTIN LEARD, CH  
[72] HENNING, NATHANIEL JAMES, US  
[72] HESSE, MATTHEW JAMES, CH  
[72] LIU, GANG, CH  
[72] MCKENNA, JEFFREY M., CH  
[72] NOMURA, DANIEL K., US  
[72] SCHIRLE, MARKUS EBERHARD, CH  
[72] SPRADLIN, JESSICA NICOLE, US  
[72] TALLARICO, JOHN A., CH  
[72] WARD, CARL C., US  
[72] PIGHETTI, MELISSA, US  
[71] NOVARTIS AG, CH  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2023-10-24  
[86] 2022-04-29 (PCT/US2022/027120)  
[87] (WO2022/232634)  
[30] US (63/181,796) 2021-04-29  
[30] US (63/186,739) 2021-05-10  
[30] US (63/273,118) 2021-10-28  
[30] US (63/311,781) 2022-02-18

**[21] 3,216,613**  
[13] A1

[51] Int.Cl. H04L 45/00 (2022.01) H04L 61/59 (2022.01) H04L 69/16 (2022.01) H04L 69/22 (2022.01)  
[25] EN  
**[54] IMPROVED USE OF IP NETWORKS FOR ROUTING OF CELLULAR DATA PACKETS**  
**[54] UTILISATION AMELIOREE DE RESEAUX IP POUR LE ROUTAGE DE PAQUETS DE DONNEES CELLULAIRES**  
[72] PATEL, KEYUR, US  
[72] MURAKAMI, TETSUYA, US  
[71] ARRCUS INC., US  
[85] 2023-10-24  
[86] 2022-04-20 (PCT/US2022/025592)  
[87] (WO2022/231917)  
[30] US (17/240,726) 2021-04-26

**[21] 3,216,615**  
[13] A1

[25] EN  
**[54] PREFORM FOR FORMING DOUBLE CONTAINER**  
**[54] PREFORME POUR FORMER UN DOUBLE RECIPIENT**  
[72] KURIHARA, TOMOAKI, JP  
[72] TANAKA, TOSHIMASA, JP  
[72] SUZUKI, TAKANORI, JP  
[71] YOSHINO KOGYOSHO CO., LTD., JP  
[85] 2023-10-24  
[86] 2022-04-26 (PCT/JP2022/018867)  
[87] (WO2022/230868)  
[30] JP (2021-073768) 2021-04-26

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- [25] EN
- [54] COMPOSITIONS COMPRISING COCRYSRALS OF ACETYLSALICYLIC ACID AND THEANINE WITH TROMETHAMINE AND METHODS OF USE
- [54] COMPOSITIONS COMPRENANT DES CO-CRISTAUX D'ACIDE ACETYLSALICYLIQUE ET DE THEANINE AVEC DE LA TROMETHAMINE ET PROCEDES D'UTILISATION
- [72] FELICE, PHILIP V., US
- [72] BRITTAINT, HARRY G., US
- [72] WABNITZ, PAUL, AU
- [71] THEAPRIN PHARMACEUTICALS INC., US
- [85] 2023-10-24
- [86] 2022-04-25 (PCT/US2022/026095)
- [87] (WO2022/231998)
- [30] US (63/180,120) 2021-04-27
- [30] US (63/180,121) 2021-04-27
- [30] US (63/257,606) 2021-10-20
- [30] US (63/257,607) 2021-10-20
- [30] US (63/331,902) 2022-04-18

**[21] 3,216,617**  
[13] A1

- [51] Int.Cl. B29C 64/124 (2017.01) B29C 64/255 (2017.01) B29C 64/264 (2017.01) B29C 48/00 (2019.01)
- [25] EN
- [54] LAMINATES AND 3D PRINTERS
- [54] STRATIFIES ET IMPRIMANTES 3D
- [72] GOTTLIEB, AMOS, US
- [71] VICI METRONICS, INC., US
- [85] 2023-10-24
- [86] 2022-06-24 (PCT/US2022/034999)
- [87] (WO2022/272134)
- [30] US (63/214,265) 2021-06-24

**[21] 3,216,618**  
[13] A1

- [51] Int.Cl. A61J 7/00 (2006.01) A61J 1/03 (2023.01)
- [25] EN
- [54] ROBOTIC DEVICE FOR DISTRIBUTING DESIGNATED ITEMS
- [54] DISPOSITIF ROBOTIQUE DE DISTRIBUTION D'ARTICLES DESIGNES
- [72] FOX, HARRY, IL
- [72] AZOULAY, DAVID, IL
- [72] SAPOJNIKOV, SERGH, IL
- [71] XTEND AI INC., US
- [85] 2023-10-24
- [86] 2022-04-07 (PCT/IB2022/053254)
- [87] (WO2022/229753)
- [30] US (63/181,243) 2021-04-29
- [30] US (63/209,003) 2021-06-10

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[13] A1

- [51] Int.Cl. F16H 1/16 (2006.01) F16H 57/039 (2012.01) A01G 25/09 (2006.01)
- [25] EN
- [54] ENVELOPING WORM GEAR GEARBOX FOR MECHANIZED IRRIGATION MACHINES
- [54] REDUCTEUR A ENGRENAGES A VIS SANS FIN GLOBIQUE POUR MACHINES D'IRRIGATION MECANISEE
- [72] KASTL, JOHN, US
- [71] VALMONT INDUSTRIES, INC., US
- [85] 2023-10-24
- [86] 2022-05-16 (PCT/US2022/029360)
- [87] (WO2022/245685)
- [30] US (63/190,322) 2021-05-19

**[21] 3,216,621**  
[13] A1

- [25] EN
- [54] ROTARY CONE BIT COMPRISING AN IDENTIFICATION TAG
- [54] TREPAN A CONES ROTATIF COMPRENANT UNE ETIQUETTE D'IDENTIFICATION
- [72] ROLDAN SALDES, RAUL, SE
- [71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE
- [85] 2023-10-24
- [86] 2022-05-20 (PCT/EP2022/063782)
- [87] (WO2022/243538)
- [30] EP (21175411.4) 2021-05-21

**[21] 3,216,622**  
[13] A1

- [51] Int.Cl. C07D 239/47 (2006.01) A01N 43/54 (2006.01)
- [25] EN
- [54] CRYSTALLINE FORMS OF 5-FLUORO-4-IMINO-3-METHYL-1-TOSYL-3,4-DIHIDROPYRIMIDIN-2-ONE, AND MIXTURES, COMPOSITIONS AND METHODS OF USE THEREOF
- [54] FORMES CRISTALLINES DE 5-FLUORO-4-IMINO-3-METHYL-1-TOSYL-3,4-DIHIDROPYRIMIDIN-2-ONE, ET MELANGES, COMPOSITIONS ET PROCEDES D'UTILISATION CORRESPONDANTS
- [72] GIAFFREDA, STEFANO LUCA, IT
- [72] MODENA, ENRICO, IT
- [72] IANNI, CRISTINA, IT
- [72] PARISE, CHIARA, IT
- [72] SELLA-EREZ, ROTEM, IL
- [72] ARONHIME, JUDITH, IL
- [72] SUEZ, GAL, IL
- [72] SERTCHOOK, HANAN, IL
- [71] ADAMA MAKHTESHIM LTD., IL
- [85] 2023-10-24
- [86] 2022-05-04 (PCT/IB2022/054132)
- [87] (WO2022/234487)
- [30] US (63/184,071) 2021-05-04
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[13] A1

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- [25] EN
- [54] **MODIFIED LOW POWER, FAST SPECTRUM MOLTEN FUEL REACTOR DESIGNS HAVING IMPROVED NEUTRONICS**
- [54] CONCEPTIONS DE REACTEURS A COMBUSTIBLE FONDU A FAIBLE PUISSANCE ET A SPECTRE RAPIDE MODIFIES, A NEUTRONIQUE AMELIOREE
- [72] CISNEROS, ANSELMO T. JR., US
- [72] BERG, PHILLIP, US
- [72] BLATNIK, MICHAEL T., US
- [72] EDWARDS, MICHAEL J., US
- [72] MARKHAM, GREGORY T., US
- [72] WALTER, DANIEL J., US
- [71] TERRAPOWER, LLC, US
- [85] 2023-10-24
- [86] 2021-10-06 (PCT/US2021/053750)
- [87] (WO2023/009153)
- [30] US (17/388,824) 2021-07-29

**[21] 3,216,624**  
[13] A1

- [25] EN
- [54] **METHODS AND SYSTEMS FOR OPERATING AN ELECTRIC VEHICLE**
- [54] **PROCEDES ET SYSTEMES DE FONCTIONNEMENT D'UN VEHICULE ELECTRIQUE**
- [72] MANKOWSKI, PETER, CA
- [72] WILSON, JOSH, US
- [71] ACCELERATED SYSTEMS INC., CA
- [85] 2023-10-24
- [86] 2022-05-18 (PCT/IB2022/054626)
- [87] (WO2022/243898)
- [30] US (63/190,725) 2021-05-19

**[21] 3,216,625**  
[13] A1

- [51] Int.Cl. A61F 5/44 (2006.01) A61F 5/451 (2006.01)
- [25] EN
- [54] **DRAINAGE BAGS WITH AT LEAST ONE FLUID DETECTOR**
- [54] **POCHES DE DRAINAGE AVEC AU MOINS UN DETECTEUR DE FLUIDE**
- [72] SHERMER, CHARLES, US
- [72] NGUYEN, HOANG D., US
- [72] VAN ORDEN, KATHERINE, US
- [71] PUREWICK CORPORATION, US
- [85] 2023-10-24
- [86] 2022-04-28 (PCT/US2022/026667)
- [87] (WO2022/232354)
- [30] US (63/181,695) 2021-04-29

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- [51] Int.Cl. A61K 31/355 (2006.01) A61K 36/53 (2006.01) A61K 36/55 (2006.01) A61P 25/08 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01) A61P 25/20 (2006.01) A61P 25/28 (2006.01)
- [25] EN
- [54] **NASAL SLEEP FORMULATION**
- [54] **FORMULATION DE SOMMEIL NASALE**
- [72] HENRIKSEN, LONE, DK
- [71] CS MEDICA A/S, DK
- [85] 2023-10-24
- [86] 2022-05-03 (PCT/EP2022/061792)
- [87] (WO2022/233833)
- [30] DK (PA 2021 70207) 2021-05-04

**[21] 3,216,628**  
[13] A1

- [25] EN
- [54] **CRYSTAL GLASS HAIR REMOVER AND SCRUB/EXFOLIATOR TO USE ON THE SKIN**
- [54] **EPILATEUR DE POILS EN VERRE CRISTALLIN ET ELEMENT DE NETTOYAGE/EXFOLIATION DESTINE A ETRE UTILISE SUR LA PEAU**
- [72] JIEMPRUEKWATTANA, PANITA, TH
- [71] JIEMPRUEKWATTANA, PANITA, TH
- [85] 2023-10-24
- [86] 2021-04-27 (PCT/TH2021/000014)
- [87] (WO2022/231527)

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- [25] EN
- [54] PREPARATION OF SUBSTITUTED 1,2-DIAMINOHETEROCYCLIC COMPOUND DERIVATIVES AND THEIR USE AS PHARMACEUTICAL AGENTS
- [54] PREPARATION DE DERIVES DE COMPOSES 1,2-DIAMINOHETEROCYCLIQUES SUBSTITUES ET LEUR UTILISATION EN TANT QU'AGENTS PHARMACEUTIQUES
- [72] BAEK, KI SEON, KR
- [72] KHOO, JA HEOUK, KR
- [72] CHOI, SOONGYU, KR
- [72] PARK, YOUNG WHAN, KR
- [72] WARD, SIMON, GB
- [72] LE GRAND, DARREN, GB
- [72] WEST, RYAN, GB
- [72] TURNER, PENELOPE, GB
- [72] MARAMAI, SAMUELE, IT
- [72] REUILLO, TRISTAN, SE
- [71] AVELOS THERAPEUTICS INC., KR
- [85] 2023-10-24
- [86] 2022-06-09 (PCT/KR2022/008105)
- [87] (WO2022/260441)
- [30] GB (2108249.0) 2021-06-09

**[21] 3,216,630**  
[13] A1

- [25] EN
- [54] CONNECTOR, ADAPTER, CONNECTOR ASSEMBLY, AND COMMUNICATIONS DEVICE
- [54] CONNECTEUR, ADAPTATEUR, ENSEMBLE CONNECTEUR ET DISPOSITIF DE COMMUNICATION
- [72] JIN, ZHU, CN
- [72] CHEN, YANGQUAN, CN
- [72] LIU, SHENGHAO, CN
- [71] HUAWEI TECHNOLOGIES CO., LTD., CN
- [85] 2023-10-24
- [86] 2021-12-20 (PCT/CN2021/139724)
- [87] (WO2022/257417)
- [30] CN (202110639209.2) 2021-06-08

**[21] 3,216,633**  
[13] A1

- [51] Int.Cl. A61B 17/17 (2006.01) A61F 2/30 (2006.01) A61F 2/40 (2006.01) A61F 2/46 (2006.01)
- [25] EN
- [54] ORTHOPAEDIC IMPLANT SYSTEMS INCLUDING TRANSFER FEATURES AND METHODS FOR PLAN TRANSFER
- [54] SYSTEMES D'IMPLANT ORTHOPEDIQUE COMPRENANT DES CARACTERISTIQUES DE TRANSFERT ET PROCEDES DE TRANSFERT DE PLAN
- [72] METCALFE, NICK, US
- [72] DE LEON, STEVEN JIM, US
- [71] ARTHREX, INC., US
- [85] 2023-10-24
- [86] 2022-04-14 (PCT/US2022/024795)
- [87] (WO2022/231853)
- [30] US (63/180,239) 2021-04-27

**[21] 3,216,634**  
[13] A1

- [51] Int.Cl. A24F 40/40 (2020.01) A24F 40/20 (2020.01) A24F 40/46 (2020.01) A24F 40/465 (2020.01) A24F 40/485 (2020.01) A24F 40/50 (2020.01) A24F 1/20 (2006.01)
- [25] EN
- [54] AEROSOL GENERATING DEVICE WITH SUPPORT PROVIDING AIR TO AEROSOL GENERATING ARTICLE
- [54] DISPOSITIF DE GENERATION D'AEROSOL AVEC SUPPORT FOURNISSANT DE L'AIR A UN ARTICLE DE GENERATION D'AEROSOL
- [72] KIM, DONG SUNG, KR
- [72] KWON, YOUNG BUM, KR
- [72] KIM, YONG HWAN, KR
- [72] LIM, HUN IL, KR
- [72] JANG, SEOK SU, KR
- [71] KT&G CORPORATION, KR
- [85] 2023-10-24
- [86] 2022-11-10 (PCT/KR2022/017638)
- [87] (WO2023/085801)
- [30] KR (10-2021-0155186) 2021-11-11
- [30] KR (10-2022-0049541) 2022-04-21

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[13] A1

- [51] Int.Cl. G06N 20/00 (2019.01) G06N 3/04 (2023.01) G06N 3/08 (2023.01)
- [25] EN
- [54] MACHINE LEARNING-BASED SURGICAL INSTRUMENT CHARACTERIZATION
- [54] CARACTERISATION D'INSTRUMENT CHIRURGICAL BASEE SUR APPRENTISSAGE AUTOMATIQUE
- [72] SUTHERLAND, GARNETTE, CA
- [72] BAGHDADI, AMIR, CA
- [72] SINGH, RAHUL, CA
- [72] HOSHAYARMANESH, HAMIDREZA, CA
- [72] LAMA, SANJU, CA
- [71] ORBSURGICAL LTD., CA
- [85] 2023-10-24
- [86] 2022-05-11 (PCT/CA2022/050743)
- [87] (WO2022/236416)
- [30] US (17/318,975) 2021-05-12
- [30] US (17/540,966) 2021-12-02

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[13] A1

- [25] EN
- [54] AGE RATE RETARDING ADDITIVES FOR ASPHALT BINDERS
- [54] ADDITIFS RETARDATEURS DE TAUX DE VIEILLISSEMENT DE LIANTS D'ASPHALTE
- [72] REINKE, GERALD H., US
- [72] BAUMGARDNER, GAYLON L., US
- [72] HANZ, ANDREW, US
- [71] A.L.M. HOLDING COMPANY, US
- [71] ERGON ASPHALT & EMULSIONS, INC., US
- [85] 2023-10-24
- [86] 2022-04-26 (PCT/US2022/026310)
- [87] (WO2022/232119)
- [30] US (63/179,991) 2021-04-26

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- [51] Int.Cl. E04B 1/14 (2006.01)
  - [25] EN
  - [54] FOLDABLE TRANSPORTABLE BUILDINGS
  - [54] BATIMENTS TRANSPORTABLES PLIABLES
  - [72] TIRAMANI, PAOLO, US
  - [72] TIRAMANI, GALIANO, US
  - [72] DENMAN, KYLE, US
  - [71] BUILD IP LLC, US
  - [85] 2023-10-24
  - [86] 2022-02-18 (PCT/US2022/016999)
  - [87] (WO2022/231680)
  - [30] US (63/181,447) 2021-04-29
  - [30] US (63/192,349) 2021-05-24
  - [30] US (17/527,520) 2021-11-16
  - [30] US (63/196,400) 2021-06-03
  - [30] US (63/188,101) 2021-05-13
  - [30] US (PCT/US2021/056415) 2021-10-25
  - [30] US (PCT/US2021/059440) 2021-11-16
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[13] A1

- [51] Int.Cl. A45D 27/00 (2006.01) G06F 30/10 (2020.01) G06F 30/20 (2020.01) B41F 17/00 (2006.01)
- [25] EN
- [54] METHOD AND RELATED SYSTEMS FOR MANUFACTURING SHAVING STENCILS
- [54] PROCEDE ET SYSTEMES ASSOCIES POUR LA FABRICATION DE POCHOIRS DE RASAGE
- [72] AKAHSHLI, ZAHER, CA
- [71] AKAHSHLI, ZAHER, CA
- [85] 2023-10-25
- [86] 2022-04-25 (PCT/CA2022/050627)
- [87] (WO2022/226634)
- [30] US (63/180,126) 2021-04-27

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- [51] Int.Cl. F04D 17/12 (2006.01) F01D 5/06 (2006.01) F04D 29/053 (2006.01) F04D 29/054 (2006.01)
- [25] EN
- [54] TURBOMACHINE ROTOR WITH STACKED IMPELLERS AND TURBOMACHINE
- [54] ROTOR DE TURBOMACHINE AVEC ROUETS EMPILES, ET TURBOMACHINE
- [72] CANGIOLI, FRANCESCO, IT
- [72] GUGLIELMO, ALBERTO, IT
- [72] VANNINI, GIUSEPPE, IT
- [72] FORMICHINI, MARCO, IT
- [72] TEMPESTINI, MASSIMILIANO, IT
- [72] MATINA, DARIO, IT
- [71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
- [85] 2023-10-25
- [86] 2022-04-25 (PCT/EP2022/025179)
- [87] (WO2022/228727)
- [30] IT (102021000010781) 2021-04-28

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- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/4035 (2006.01)
- [25] EN
- [54] FORMULATIONS OF APREMILAST
- [54] FORMULATIONS D'APREMILAST
- [72] BENNETTE, NATHAN, US
- [72] CALDWELL, WILLIAM BRETT, US
- [72] HOSTETLER, CHRISTI, US
- [72] INGRAM, KAZDEN, US
- [72] KING, DORY, US
- [72] KYBURZ, KYLE, US
- [72] VILES, ALISON, US
- [71] AMGEN INC., US
- [85] 2023-10-11
- [86] 2022-05-27 (PCT/US2022/031325)
- [87] (WO2022/251620)
- [30] US (63/194,247) 2021-05-28

**[21] 3,216,641**

[13] A1

- [51] Int.Cl. F17C 3/10 (2006.01) F17C 13/00 (2006.01)
  - [25] EN
  - [54] HEAT EXCHANGING CHANNEL FORMING AN INTERNAL CAVITY THAT STORES CRYOGENIC MATERIAL
  - [54] CANAL D'ECHANGE DE CHALEUR FORMANT UNE CAVITE INTERNE CONTENANT UN MATERIAU CRYOGENIQUE
  - [72] SHOEMAKE, ELIJAH, US
  - [71] PLUG POWER INC., US
  - [85] 2023-10-11
  - [86] 2022-04-18 (PCT/US2022/071767)
  - [87] (WO2022/226480)
  - [30] US (63/201,207) 2021-04-18
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[13] A1

- [51] Int.Cl. A61K 39/395 (2006.01) A61P 21/04 (2006.01) A61P 21/00 (2006.01)
- [25] EN
- [54] COMPOSITIONS AND METHODS FOR TREATING PEDIATRIC MYASTHENIA GRAVIS
- [54] COMPOSITIONS ET METHODES POUR TRAITER UNE MYASTHENIE PEDIATRIQUE GRAVE
- [72] BLACK, SHAWN, US
- [72] RAMCHANDREN, SINDHU, US
- [72] ZHU, YAOWEI, US
- [71] MOMENTA PHARMACEUTICALS, INC., US
- [85] 2023-10-12
- [86] 2022-04-12 (PCT/US2022/024354)
- [87] (WO2022/221239)
- [30] US (63/173,919) 2021-04-12
- [30] US (63/219,155) 2021-07-07
- [30] US (63/266,880) 2022-01-18

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**[21] 3,216,643**  
[13] A1

[51] Int.Cl. A61K 35/00 (2006.01) A61K 39/00 (2006.01) A61P 37/08 (2006.01) C07K 14/00 (2006.01) C07K 16/14 (2006.01) C07K 16/16 (2006.01) C07K 16/18 (2006.01) C07K 16/44 (2006.01) G01N 33/68 (2006.01)  
[25] EN  
[54] ALLERGY THERAPIES  
[54] THERAPIES CONTRE L'ALLERGIE  
[72] NADEAU, KARI, US  
[71] IGGENIX, INC., US  
[85] 2023-10-12  
[86] 2022-04-12 (PCT/US2022/024355)  
[87] (WO2022/221240)  
[30] US (63/173,762) 2021-04-12

**[21] 3,216,644**  
[13] A1

[51] Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01)  
[25] EN  
[54] LIQUEFIED NATURAL GAS PRODUCTION UNIT AND START-UP METHOD OF A LIQUEFIED NATURAL GAS PRODUCTION UNIT TO MINIMIZE STORAGE CONTAMINATION  
[54] UNITE DE PRODUCTION DE GAZ NATUREL LIQUEFIE ET PROCEDE DE DEMARRAGE D'UNE UNITE DE PRODUCTION DE GAZ NATUREL LIQUEFIE POUR REDUIRE AU MINIMUM LA CONTAMINATION DE STOCKAGE  
[72] STALLMANN, OLAF, DE  
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT  
[85] 2023-10-25  
[86] 2022-04-21 (PCT/EP2022/025167)  
[87] (WO2022/228719)  
[30] IT (102021000010457) 2021-04-26

**[21] 3,216,645**  
[13] A1

[51] Int.Cl. A61K 9/70 (2006.01) A61K 31/4045 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01)  
[25] EN  
[54] MICROBUBBLE-ASSISTED ULTRASOUND-GUIDED THERAPY  
[54] THERAPIE GUIDEES PAR ULTRASONS ASSISTEE PAR MICROBULLES  
[72] KHORSANDI, SINA, US  
[72] LUX, JACQUES, US  
[72] JIANG, WEN, US  
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US  
[85] 2023-10-12  
[86] 2022-04-12 (PCT/US2022/024485)  
[87] (WO2022/221324)  
[30] US (63/173,956) 2021-04-12  
[30] US (63/316,360) 2022-03-03

**[21] 3,216,647**  
[13] A1

[51] Int.Cl. A61C 7/08 (2006.01) B29C 51/08 (2006.01) B29C 51/36 (2006.01)  
[25] EN  
[54] METHOD FOR SEPARATING A DEEP DRAWING MODEL FROM A FILM  
[54] METHODE DE SEPARATION D'UN MODELE DE THERMOFORMAGE D'UN FILM  
[72] HUBER, MARTIN, AT  
[72] WORMER-AIGMULLER, ALFONS, AT  
[71] DENTAL MANUFACTURING UNIT GMBH, AT  
[85] 2023-10-12  
[86] 2022-02-14 (PCT/AT2022/060043)  
[87] (WO2022/217297)  
[30] AT (A50268/2021) 2021-04-12

**[21] 3,216,648**  
[13] A1

[51] Int.Cl. B01D 53/26 (2006.01) B01D 53/28 (2006.01) B01J 20/26 (2006.01)  
[25] EN  
[54] HUMIDITY CONTROL DEVICE AND METHOD OF MANUFACTURING THE SAME  
[54] DISPOSITIF DE REGULATION D'HUMIDITE ET SON PROCEDE DE FABRICATION  
[72] OHL, SEBASTIEN, FR  
[72] LOGEL, VALERE, FR  
[71] AIRNOV, INC., US  
[85] 2023-10-12  
[86] 2022-04-14 (PCT/EP2022/060125)  
[87] (WO2022/219160)  
[30] EP (21168342.0) 2021-04-14

**[21] 3,216,649**  
[13] A1

[51] Int.Cl. G06Q 20/20 (2012.01) G06Q 20/22 (2012.01) G06Q 20/40 (2012.01) G06Q 40/00 (2023.01)  
[25] EN  
[54] SYSTEMS AND METHOD FOR AUTOMATIC TRANSACTION ROUTING AND EXECUTION  
[54] SYSTEMES ET PROCEDE D'ACHEMINEMENT ET D'EXECUTION DE TRANSACTIONS AUTOMATIQUES  
[72] KOREN, EREZ, IL  
[72] ZUCKER, GUY, IL  
[72] SHANI-MICHEL, GALIT, IL  
[71] FORTER LTD, US  
[85] 2023-10-12  
[86] 2022-04-11 (PCT/US2022/024258)  
[87] (WO2022/221190)  
[30] US (63/173,779) 2021-04-12

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- [51] Int.Cl. A47K 5/12 (2006.01) A47K 10/38 (2006.01) B67D 1/08 (2006.01) H01H 9/08 (2006.01)
- [25] EN
- [54] DISPENSER WITH ELECTRONIC BOARD IN FRONT COVER ASSEMBLY
- [54] DISTRIBUTEUR COMPRENANT UNE CARTE ELECTRONIQUE DANS UN ENSEMBLE COUVERCLE AVANT
- [72] GREEN, JONATHAN, US
- [72] ERZEN, KLEMEN, US
- [72] OBERDORF, JOS, NL
- [71] KIMBERLY-CLARK WORLDWIDE, INC., US
- [85] 2023-10-25
- [86] 2021-04-28 (PCT/US2021/029521)
- [87] (WO2022/231578)

**[21] 3,216,658**  
[13] A1

- [51] Int.Cl. A61B 1/005 (2006.01) A61B 1/00 (2006.01)
- [25] EN
- [54] MEDICAL DEVICES AND RELATED METHODS
- [54] DISPOSITIFS MEDICAUX ET PROCEDES ASSOCIES
- [72] POWELL, SEAN, US
- [72] DILLON, BRYAN, US
- [72] WEBER, JAN, NL
- [72] FOLAN, MARTYN, IE
- [71] BOSTON SCIENTIFIC SCIMED, INC., US
- [85] 2023-10-12
- [86] 2022-05-18 (PCT/US2022/072396)
- [87] (WO2022/246417)
- [30] US (63/190,267) 2021-05-19

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[13] A1

- [51] Int.Cl. A61K 36/73 (2006.01) A61K 36/9068 (2006.01) A61P 15/00 (2006.01) A61P 25/00 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01)
- [25] EN
- [54] COMPOSITIONS
- [54] COMPOSITIONS
- [72] FANCA-BERTHON, PASCALE ELIZABETH RENEE, FR
- [72] CALAFAT, STEPHANIE, US
- [72] RANZINI, CRISTINA MARIA, FR
- [72] ANTONI, GAETAN, FR
- [72] LECOZANNET, ROMAIN, FR
- [72] NAVARRO, ROSA, CL
- [72] HEBERT, YOANN, FR
- [71] GIVAUDAN SA, CH
- [85] 2023-10-12
- [86] 2022-04-28 (PCT/EP2022/061342)
- [87] (WO2022/229320)
- [30] US (63/182,551) 2021-04-30

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[13] A1

- [51] Int.Cl. B23P 17/06 (2006.01) B21B 1/16 (2006.01) B21F 13/00 (2006.01) B21F 45/00 (2006.01) B21H 8/00 (2006.01) E04C 5/01 (2006.01) E04C 5/03 (2006.01) E04C 5/07 (2006.01)
- [25] EN
- [54] METHOD FOR MANUFACTURING METAL FIBERS, MORE PARTICULARLY STEEL FIBERS
- [54] PROCEDE DE FABRICATION DE FIBRES METALLIQUES, PLUS PARTICULIEREMENT DE FIBRES D'ACIER
- [72] STAHL, KARL-HERMANN, DE
- [72] STAHL, HANSJORG, DE
- [71] HACANOKA GMBH, DE
- [85] 2023-10-12
- [86] 2022-04-12 (PCT/EP2022/059742)
- [87] (WO2022/218975)
- [30] DE (10 2021 001 946.6) 2021-04-14

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[13] A1

- [51] Int.Cl. C25B 1/04 (2021.01) C25B 3/26 (2021.01) C25B 9/77 (2021.01) C23F 13/08 (2006.01) C25B 9/00 (2021.01) C25B 15/00 (2006.01) C25B 15/08 (2006.01)
- [25] EN
- [54] ELECTROLYSIS DEVICE
- [54] DISPOSITIF D'ELECTROLYSE
- [72] HANEBUTH, MARC, DE
- [72] KISSLICH, SIMON, DE
- [72] PURUCKER, THOMAS, DE
- [71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
- [85] 2023-10-12
- [86] 2022-02-09 (PCT/EP2022/053078)
- [87] (WO2022/218582)
- [30] EP (21168351.1) 2021-04-14

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[13] A1

- [51] Int.Cl. B01D 53/04 (2006.01) B01D 53/06 (2006.01)
- [25] EN
- [54] AIR TREATMENT MODULE
- [54] MODULE DE TRAITEMENT D'AIR
- [72] IRANMANESH, IDA, SE
- [72] EDSTROM, ANDERS, SE
- [71] DIRECT CARBON AB, SE
- [85] 2023-10-12
- [86] 2022-04-13 (PCT/EP2022/059956)
- [87] (WO2022/219087)
- [30] SE (2150477-4) 2021-04-16

**[21] 3,216,664**  
[13] A1

- [51] Int.Cl. F16J 15/3212 (2016.01) F16J 15/3236 (2016.01)
- [25] EN
- [54] SEAL WITH RADIAL CUT TORUS SPRING
- [54] JOINT AVEC RESSORT TORIQUE COUPE RADIATELMENT
- [72] NGUYEN, CHIEN, US
- [72] YAN, XIANG, US
- [71] SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION, US
- [85] 2023-10-25
- [86] 2022-04-27 (PCT/US2022/071942)
- [87] (WO2022/232793)
- [30] US (63/180,808) 2021-04-28

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[13] A1

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  - [25] EN
  - [54] NOVEL 12-EPI-MUTILIN COMPOUNDS AND USES THEREOF
  - [54] NOUVEAUX COMPOSES 12-EPI-MUTILINE ET UTILISATIONS ASSOCIEES
  - [72] RIEDL, ROSEMARIE, AT
  - [72] PAUKNER, SUSANNE, AT
  - [72] WICHA, WOLFGANG, AT
  - [72] STRICKMANN, DIRK, AT
  - [72] HAFNER, MICHAEL, AT
  - [72] THIRRING, KLAUS (DECEASED), XX
  - [71] NABRIVA THERAPEUTICS GMBH, AT
  - [85] 2023-10-12
  - [86] 2022-04-15 (PCT/EP2022/060174)
  - [87] (WO2022/219182)
  - [30] EP (21168830.4) 2021-04-16
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[13] A1

- [51] Int.Cl. A47J 31/46 (2006.01) A47J 31/36 (2006.01) A47J 31/60 (2006.01)
- [25] EN
- [54] BEVERAGE PREPARATION MACHINE AND METHOD FOR DISPENSING A LIQUID
- [54] MACHINE DE PREPARATION DE BOISSONS ET PROCEDE DE DISTRIBUTION DE LIQUIDE
- [72] PUGLIESE, ALEXANDRE, CH
- [72] PERENTES, ALEXANDRE, CH
- [72] BENOIT-LIZON, ANTONIN, CH
- [72] GANSHOF VAN DER MEERSCH, NICOLAS, CH
- [71] SOCIETE DES PRODUITS NESTLE S.A., CH
- [85] 2023-10-25
- [86] 2022-06-15 (PCT/EP2022/066304)
- [87] (WO2022/268601)
- [30] EP (21181236.7) 2021-06-23

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[13] A1

- [51] Int.Cl. A61K 45/00 (2006.01) A61K 31/485 (2006.01) A61K 38/07 (2006.01) A61P 7/00 (2006.01) A61P 35/00 (2006.01) A61P 39/06 (2006.01) A61P 43/00 (2006.01)
  - [25] EN
  - [54] THERAPEUTIC OR PROPHYLACTIC AGENT FOR CACHEXIA ACCOMPANIED BY GHRELIN RESISTANCE
  - [54] AGENT THERAPEUTIQUE OU PROPHYLACTIQUE POUR LA CACHEXIE ASSOCIEE A UNE RESISTANCE A LA GHRELIN
  - [72] UCHIDA, MASASHI, JP
  - [72] OMORI, YU, JP
  - [71] TORAY INDUSTRIES, INC., JP
  - [85] 2023-10-12
  - [86] 2022-04-22 (PCT/JP2022/018548)
  - [87] (WO2022/225045)
  - [30] JP (2021-073026) 2021-04-23
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[13] A1

- [51] Int.Cl. B22F 1/05 (2022.01) B22F 1/054 (2022.01) B22F 3/10 (2006.01) B22F 3/14 (2006.01) B22F 3/24 (2006.01) B22F 5/00 (2006.01) B22F 9/04 (2006.01) C22C 1/05 (2006.01) C22C 1/10 (2023.01) C22C 29/06 (2006.01) C22C 29/08 (2006.01)
- [25] EN
- [54] CEMENTED CARBIDE MATERIAL
- [54] MATERIAU DE CARBURE CEMENTE
- [72] FRIEDERICHHS, HEIKO, DE
- [72] PHILIPP, BRITTA, DE
- [72] CHMELIK, DAVID, DE
- [72] KRAMER, ULRICH, DE
- [72] HALLER, ALEXANDER, DE
- [72] HILGERT, TOBIAS, DE
- [71] BETEK GMBH & CO. KG, DE
- [85] 2023-10-12
- [86] 2022-04-21 (PCT/EP2022/060611)
- [87] (WO2022/233590)
- [30] DE (10 2021 111 371.7) 2021-05-03

**[21] 3,216,671**  
[13] A1

- [51] Int.Cl. B05B 13/04 (2006.01) B05B 15/652 (2018.01) B05B 3/02 (2006.01) B08B 3/02 (2006.01) B08B 9/093 (2006.01)
  - [25] EN
  - [54] LIQUID CANNON
  - [54] CANON A LIQUIDE
  - [72] MUNRO, BRAYDON, AU
  - [71] CLEAN PLANT PTY LTD, AU
  - [85] 2023-10-13
  - [86] 2022-04-26 (PCT/AU2022/050383)
  - [87] (WO2022/226587)
  - [30] AU (2021901243) 2021-04-27
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[13] A1

- [51] Int.Cl. A23K 20/111 (2016.01) A23K 20/174 (2016.01) A23K 20/179 (2016.01) A23K 20/20 (2016.01) A23K 50/10 (2016.01)
  - [25] EN
  - [54] NOVEL USE
  - [54] NOUVELLE UTILISATION
  - [72] KINDERMANN, MAIK, CH
  - [72] LETINOIS, ULLA, CH
  - [72] MONTEIRO TAMASSIA, LUIS FERNANDO, CH
  - [72] STEMMLER, RENE TOBIAS, CH
  - [72] WALKER, NICOLA, CH
  - [71] DSM IP ASSETS B.V., NL
  - [85] 2023-10-13
  - [86] 2022-04-12 (PCT/EP2022/059713)
  - [87] (WO2022/218964)
  - [30] EP (21168705.8) 2021-04-15
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[13] A1

- [51] Int.Cl. A63C 1/22 (2006.01) A43B 5/16 (2006.01) A63C 1/02 (2006.01) A63C 1/20 (2006.01)
- [25] EN
- [54] SKATE
- [54] PATIN
- [72] BIRD, JASON, CA
- [72] CORBEIL, JEAN-FRANCOIS, CA
- [72] JEAN, PHILIPPE, CA
- [72] ROUZIER, EDOUARD, CA
- [71] BAUER HOCKEY LTD., CA
- [85] 2023-10-13
- [86] 2022-12-30 (PCT/CA2022/051907)
- [87] (WO2023/130178)
- [30] US (63/297,164) 2022-01-06
- [30] US (63/319,749) 2022-03-14

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<p>[21] 3,216,675 [13] A1</p> <p>[51] Int.Cl. B60W 30/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR AUTOMATICALLY CONTROLLING A VEHICLE</p> <p>[54] PROCEDE DE COMMANDE AUTOMATIQUE D'UN VEHICULE</p> <p>[72] STAHLIN, ULRICH, DE</p> <p>[71] CONTINENTAL AUTOMOTIVE TECHNOLOGIES GMBH, DE</p> <p>[85] 2023-10-13</p> <p>[86] 2022-03-16 (PCT/DE2022/200043)</p> <p>[87] (WO2022/223081)</p> <p>[30] DE (10 2021 204 049.7) 2021-04-23</p>
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  - [25] EN
  - [54] SYNTHESIS OF DIMETHYL-C17-32-ALKYL SULFONIUM SALTS
  - [54] SYNTHESE DE SELS DE DIMETHYL-ALKYLE EN C17-32 SULFONIUM
  - [72] STROOT, JORG, DE
  - [72] ZHERSH, SERHII, UA
  - [72] RIPENKO, VASYL, UA
  - [71] HELM AG, DE
  - [85] 2023-10-13
  - [86] 2022-03-31 (PCT/EP2022/058566)
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- [25] EN
- [54] GEL POLYMER ELECTROLYTE COMPOSITION ATTAINING SHORTENED CROSSLINKING TIME, SECONDARY BATTERY COMPRISING SAME, AND MANUFACTURING METHOD FOR SECONDARY BATTERY
- [54] COMPOSITION D'ELECTROLYTE POLYMERE EN GEL ATTEIGNANT UN TEMPS DE RETICULATION RACCOURCI, BATTERIE SECONDAIRE LA COMPRENANT, ET PROCEDE DE FABRICATION DE BATTERIE SECONDAIRE
- [72] SHIN, WON KYUNG, KR
- [72] LEE, WON TAE, KR
- [72] OH, YOUNG HO, KR
- [72] LEE, CHUL HAENG, KR
- [72] AHN, KYOUNG HO, KR
- [71] LG ENERGY SOLUTION, LTD., KR
- [85] 2023-10-12
- [86] 2023-01-11 (PCT/KR2023/000478)
- [87] (WO2023/191270)
- [30] KR (10-2022-0040568) 2022-03-31

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  - [25] EN
  - [54] PROCESS FOR PREPARING CARBODIIMIDES
  - [54] PROCEDE DE PREPARATION DE CARBODIIMIDES
  - [72] LAUFER, WILHELM, DE
  - [71] LANXESS DEUTSCHLAND GMBH, DE
  - [85] 2023-10-13
  - [86] 2022-04-11 (PCT/EP2022/059638)
  - [87] (WO2022/223352)
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- [51] Int.Cl. A61M 39/10 (2006.01)
- [25] EN
- [54] DEVICE FOR MANUALLY LOCKING AN INSERTED LINE DRAW DEVICE TO PREVENT PREMATURE RETRACTION
- [54] DISPOSITIF DE VERROUILLAGE MANUEL D'UN DISPOSITIF DE TIRAGE DE LIGNE INSERE POUR EMPECHER UNE RETRACTION PREMATUREE
- [72] HARDING, WESTON F., US
- [72] BLANCHARD, CURTIS H., US
- [72] SCHERICH, MEGAN S., US
- [72] LACKEY, JOHN M., US
- [72] BAILEY, LISA, US
- [72] HOPWOOD, BENJAMIN P., US
- [72] BOUD, ADAM J., US
- [71] BECTON, DICKINSON AND COMPANY, US
- [85] 2023-10-25
- [86] 2023-03-29 (PCT/US2023/016652)
- [87] (WO2023/192340)
- [30] US (63/326,001) 2022-03-31

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[13] A1

- [51] Int.Cl. G01N 29/04 (2006.01) G01N 29/11 (2006.01) G01N 29/265 (2006.01) G01N 29/34 (2006.01)
  - [25] EN
  - [54] METHOD AND DEVICE FOR CHECKING THE WALL OF A PIPELINE FOR FLAWS
  - [54] PROCEDE ET DISPOSITIF DE VERIFICATION DE LA PAROI D'UNE CANALISATION A LA RECHERCHE DE DEFAUTS
  - [72] AANES, MAGNE, NO
  - [72] HAAS, MICHAEL, DE
  - [72] HENNIG, THOMAS, DE
  - [71] NDT GLOBAL CORPORATE LTD., IE
  - [85] 2023-10-13
  - [86] 2022-05-04 (PCT/EP2022/061954)
  - [87] (WO2022/233925)
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- [51] Int.Cl. C25B 1/04 (2021.01) C25B 11/052 (2021.01) C25B 11/056 (2021.01) C25B 11/061 (2021.01) C25B 11/063 (2021.01) C25B 11/069 (2021.01) C25B 11/077 (2021.01) C25B 11/091 (2021.01)
- [25] EN
- [54] ELECTRODE FOR GAS EVOLUTION IN ELECTROLYTIC PROCESSES
- [54] ELECTRODE POUR DEGAGEMENT DE GAZ DANS DES PROCEDES ELECTROLYTIQUES
- [72] MATIENZO, DJ DONN, IT
- [72] DI BARI, CHIARA, IT
- [72] INSTULI, EMANUELE, IT
- [72] TESTOLIN, ANNA, IT
- [71] INDUSTRIE DE NORA S.P.A., IT
- [85] 2023-10-13
- [86] 2022-05-10 (PCT/EP2022/062572)
- [87] (WO2022/238370)
- [30] IT (102021000011936) 2021-05-10

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<p style="text-align: right;"><b>[21] 3,216,689</b> [13] A1</p> <p>[51] Int.Cl. C08J 5/18 (2006.01) B32B 27/10 (2006.01) D21H 11/18 (2006.01) B82Y 30/00 (2011.01) C09D 105/00 (2006.01) C09D 129/04 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR MANUFACTURING A BARRIER FILM, AND A BARRIER FILM</p> <p>[54] PROCEDE DE FABRICATION D'UN FILM BARRIERE ET FILM BARRIERE</p> <p>[72] BACKFOLK, KAJ, FI</p> <p>[72] HEISKANEN, ISTO, FI</p> <p>[72] KRATSCHELL, MATTHIAS, DE</p> <p>[72] LAND HENSDAL, CECILIA, SE</p> <p>[71] STORA ENSO OYJ, FI</p> <p>[85] 2023-10-13</p> <p>[86] 2022-04-13 (PCT/IB2022/053481)</p> <p>[87] (WO2022/219560)</p> <p>[30] IB (PCT/IB2021/053153) 2021-04-16</p>	<p style="text-align: right;"><b>[21] 3,216,691</b> [13] A1</p> <p>[51] Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CULTURE OF TUMOR INFILTRATING LYMPHOCYTES FROM TUMOR DIGEST</p> <p>[54] CULTURE DE LYMPHOCYTES INFILTRANT LES TUMEURS ISSUS D'UNE DIGESTION DE TUMEUR</p> <p>[72] MULLINAX, JOHN, US</p> <p>[72] PILON-THOMAS, SHARI, US</p> <p>[72] SARNAIK, AMOD, US</p> <p>[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE, INC., US</p> <p>[85] 2023-10-12</p> <p>[86] 2022-04-14 (PCT/US2022/024804)</p> <p>[87] (WO2022/221525)</p> <p>[30] US (63/176,177) 2021-04-16</p> <p>[30] US (63/180,250) 2021-04-27</p>	<p style="text-align: right;"><b>[21] 3,216,694</b> [13] A1</p> <p>[51] Int.Cl. C07K 14/47 (2006.01)</p> <p>[25] EN</p> <p>[54] VASOACTIVE INTESTINAL PEPTIDE (VIP) RECEPTOR ANTAGONISTS</p> <p>[54] ANTAGONISTES DU RECEPTEUR DU PEPTIDE INTESTINAL VASOACTIF (VIP)</p> <p>[72] WALLER, EDMUND K., US</p> <p>[72] LI, JIAN-MING, US</p> <p>[72] FNU, PASSANG TENSING, US</p> <p>[72] MAJUMDAR, ANISH SEN, US</p> <p>[72] RAVINDRANATHAN, SRUTHI, US</p> <p>[71] EMORY UNIVERSITY, US</p> <p>[71] CAMBIUM ONCOLOGY LLC, US</p> <p>[85] 2023-10-25</p> <p>[86] 2022-05-17 (PCT/US2022/029628)</p> <p>[87] (WO2022/245820)</p> <p>[30] US (63/189,507) 2021-05-17</p>

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[25] EN	
[54] SIRTUIN OR KLOTHO ACTIVATOR OR EXPRESSION ENHANCER, NAD+ INCREASING AGENT, AND SENOLYTIC AGENT	
[54] ACTIVATEUR OU AMPLIFICATEUR D'EXPRESSION DES SIRTUINES OU DE KLOTHO, AGENT D'AUGMENTATION DU NAD+, ET AGENT SENOLYTIQUE	
[72] SUZUKI, JUNICHIRO, JP	
[72] FUJII, KAYO, JP	
[72] TAKASHIMA, MIYUKI, JP	
[72] MIKI, SATOMI, JP	
[72] USHIJIMA, MITSUYASU, JP	
[72] MATSUTOMO, TOSHIAKI, JP	
[71] WAKUNAGA PHARMACEUTICAL CO., LTD., JP	
[85] 2023-10-13	
[86] 2022-04-13 (PCT/JP2022/017713)	
[87] (WO2022/220265)	
[30] JP (2021-067931) 2021-04-13	

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[51] Int.Cl. A62D 3/02 (2007.01) C07K 14/195 (2006.01) C07K 14/24 (2006.01) C12N 9/00 (2006.01)	
[25] EN	
[54] PESTICIDAL MINICELLS AND COMPOSITIONS THEREOF FOR AGRICULTURAL APPLICATIONS	
[54] MINICELLULES PESTICIDES ET LEURS COMPOSITIONS POUR DES APPLICATIONS AGRICOLES	
[72] AVENDANO AMADO, MAIER STEVE, US	
[72] SIMHADRI, RAMA KRISHNA, US	
[72] KRISTENSEN II, DUANE LEE, US	
[72] KRAEMER, JAMES AARON, US	
[71] INVAIO SCIENCES, INC., US	
[85] 2023-10-12	
[86] 2022-04-14 (PCT/US2022/024821)	
[87] (WO2022/221535)	
[30] US (63/175,488) 2021-04-15	

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[51] Int.Cl. C07K 16/06 (2006.01) A61P 11/06 (2006.01) C07K 16/24 (2006.01)	
[25] EN	
[54] MODIFIED ANTI-TSLP ANTIBODIES	
[54] ANTICORPS ANTI-TSLP MODIFIES	
[72] BONDARENKO, PAVEL, US	
[72] SHI, LIUQING, US	
[72] ZHANG, HAO, US	
[71] AMGEN INC., US	
[85] 2023-10-12	
[86] 2022-04-22 (PCT/US2022/025999)	
[87] (WO2022/226342)	
[30] US (63/178,915) 2021-04-23	

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[51] Int.Cl. A47K 10/48 (2006.01)	
[25] EN	
[54] AIR JET DRYER FOR PEOPLE	
[54] SECHOIR A JET D'AIR POUR PERSONNES	
[72] ARRIGONI, GABRIELE, IT	
[71] MAURI, MIRKO, IT	
[71] ARRIGONI, GABRIELE, IT	
[85] 2023-10-25	
[86] 2022-06-01 (PCT/IT2022/050155)	
[87] (WO2023/275904)	
[30] IT (102021000017120) 2021-06-30	

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[51] Int.Cl. G02B 6/24 (2006.01) A61B 18/22 (2006.01) G02B 6/02 (2006.01) G02B 6/26 (2006.01)	
[25] EN	
[54] MEDICAL OPTICAL FIBER WITH PROTECTIVE TIP ENCAPSULATION	
[54] FIBRE OPTIQUE MEDICALE AVEC ENCAPSULATION DE POINTE DE PROTECTION	
[72] KHACHATUROV, ARKADY, IL	
[71] LUMENIS LTD., IL	
[85] 2023-10-13	
[86] 2022-04-22 (PCT/IB2022/053791)	
[87] (WO2022/229812)	
[30] US (63/179,487) 2021-04-25	

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[51] Int.Cl. A61B 5/397 (2021.01) G16H 50/20 (2018.01) G06N 20/00 (2019.01) A61B 5/296 (2021.01) A61B 5/389 (2021.01) A61N 1/36 (2006.01)	
[25] EN	
[54] POINT-OF-CARE PREDICTION OF MUSCLE RESPONSIVENESS TO THERAPY DURING NEUROREHABILITATION	
[54] PREDICTION EN POINT D'INTERVENTION DE LA REPONSE MUSCULAIRE A UNE THERAPIE PENDANT UNE NEUROREHABILITATION	
[72] KALSI-RYAN, SUKHVINDER, CA	
[72] ZARIFFA, JOSE, CA	
[71] UNIVERSITY HEALTH NETWORK, CA	
[85] 2023-10-13	
[86] 2022-04-13 (PCT/CA2022/050574)	
[87] (WO2022/217358)	
[30] US (63/174,328) 2021-04-13	

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[51] Int.Cl. A61K 31/424 (2006.01) A61K 31/205 (2006.01) A61P 3/00 (2006.01)	
[25] EN	
[54] BLOOD CARNITINE-INCREASING AGENT	
[54] AGENT AUGMENTANT LA CARNITINE SANGUINE	
[72] TANIGAWA, RYOHEI, JP	
[72] SAITO, AYUMI, JP	
[72] IKEGAMI, Kaho, JP	
[71] KOWA COMPANY, LTD., JP	
[85] 2023-10-13	
[86] 2022-04-27 (PCT/JP2022/019018)	
[87] (WO2022/230920)	
[30] JP (2021-076350) 2021-04-28	

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  - [25] EN
  - [54] RAIL BASED DIRECT AIR CARBON DIOXIDE CAPTURE SYSTEM AND METHOD
  - [54] SYSTEME ET PROCEDE DE CAPTURE DIRECTE DE DIOXYDE DE CARBONE DANS L'AIR SUR RAIL
  - [72] BACHMAN, ERIC, US
  - [71] CO2RAIL COMPANY (A WYOMING CORPORATION), US
  - [85] 2023-10-25
  - [86] 2022-05-05 (PCT/US2022/027944)
  - [87] (WO2022/235986)
  - [30] US (63/201,591) 2021-05-05
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- [51] Int.Cl. H01M 4/525 (2010.01) H01M 4/505 (2010.01) H01M 10/052 (2010.01) C01G 53/00 (2006.01)
- [25] EN
- [54] POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, PREPARATION METHOD THEREFOR, AND LITHIUM SECONDARY BATTERY COMPRISING POSITIVE ELECTRODE CONTAINING POSITIVE ELEC TRODE ACTIVE MATERIAL
- [54] MATERIAU ACTIF D'ELECTRODE POSITIVE POUR BATTERIE RECHARGEABLE AU LITHIUM, SON PROCEDE DE PREPARATION ET BATTERIE RECHARGEABLE AU LITHIUM COMPRENANT UNE ELECTRODE POSITIVE CONTENA NT UN MATERIAU ACTIF D'ELECTRODE POSITIVE
- [72] CHOI, SEUNG YEON, KR
- [72] KIM, SOO HYEON, KR
- [72] KIM, JONG MIN, KR
- [72] YANG, WOO YOUNG, KR
- [71] SAMSUNG SDI CO., LTD., KR
- [85] 2023-10-13
- [86] 2022-04-13 (PCT/KR2022/005383)
- [87] (WO2023/277316)
- [30] KR (10-2021-0084148) 2021-06-28

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- [51] Int.Cl. B60K 17/28 (2006.01) B60K 25/02 (2006.01) B60R 9/06 (2006.01)
  - [25] EN
  - [54] ALL-TERRAIN VEHICLE SYSTEMS AND METHODS
  - [54] SYSTEMES ET PROCEDES DE VEHICULE TOUT-TERRAIN
  - [72] SIDWELL, PAUL, US
  - [71] WORKHORSE ATV, LLC, US
  - [85] 2023-10-25
  - [86] 2022-04-28 (PCT/US2022/026797)
  - [87] (WO2022/232437)
  - [30] US (63/181,089) 2021-04-28
  - [30] US (17/731,354) 2022-04-28
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- [51] Int.Cl. B65D 39/02 (2006.01) B65D 3/16 (2006.01) B65D 41/04 (2006.01)
- [25] EN
- [54] CLOSURE ASSEMBLY FOR FILLING A CONTAINER UNDER ISOLATED CONDITIONS
- [54] ENSEMBLE DE FERMETURE POUR REMPLIR UN RECIPIENT DANS DES CONDITIONS D'ISOLEMENT
- [72] PHILIP, BRADLEY S., US
- [71] AMCOR RIGID PACKAGING USA, LLC, US
- [85] 2023-10-13
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  - [54] PARTICULES INTERFERENTES THERAPEUTIQUES CONTRE LE CORONAVIRUS
  - [72] RODICK, ROBERT, US
  - [72] WEINBERGER, LEOR S., US
  - [72] CHATURVEDI, SONALI, US
  - [71] THE J. DAVID GLADSTONE INSTITUTES, A TESTAMENTARY TRUST ESTABLISHED UNDER THE WILL OF J. DAVID GLADSTONE, US
  - [71] VXBIOSCIENCES, INC., US
  - [85] 2023-10-12
  - [86] 2022-04-25 (PCT/US2022/026223)
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  - [30] US (PCT/US2021/028809) 2021-04-23
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- [54] NKG2C+ T CELLS AND METHODS OF USE THEREOF
- [54] LYMPHOCYTES T NKG2C+ ET PROCEDES D'UTILISATION CORRESPONDANTS
- [72] HSU, KATHARINE C., US
- [72] SOTTILE, ROSA, US
- [72] LE LUDUEC, JEAN-BENOIT, US
- [72] PANJWANI, MOHAMMED KAZIM, US
- [71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
- [85] 2023-10-25
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[25] EN  
[54] COMBINATION WINDOW LATCH  
[54] VERROU DE FENETRE COMBINE  
[72] ARIARATNAM, SUBAN, CA  
[72] SORRENTINO, JASON, US  
[72] CHRISTIE, ROBERT, US  
[72] GRIFFIN, CHRISTOPHER, US  
[71] ROTO FRANK OF AMERICA, INC.,  
US  
[85] 2023-10-12  
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[25] EN  
[54] RECOMBINANT ADENO-  
ASSOCIATED VIRUS ENCODING  
METHYL-CPG BINDING  
PROTEIN 2 FOR TREATING PITT  
HOPKINS SYNDROME VIA  
INTRATHECAL DELIVERY  
[54] VIRUS ADENO-ASSOCIE  
RECOMBINANT CODANT POUR  
LA PROTEINE 2 DE LIAISON A  
LA METHYL-CPG POUR  
TRAITER LE SYNDROME DE  
PITT HOPKINS PAR  
ADMINISTRATION  
INTRATHECALE  
[72] MEYER, KATHRIN CHRISTINE, US  
[72] DENNYS-RIVERS, CASSANDRA  
NICOLE, US  
[71] RESEARCH INSTITUTE AT  
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[54] MATERIAUX ET METHODES DE  
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[72] CHANG, LONG-SHENG, US  
[72] FLANIGAN, KEVIN, US  
[72] LIKHITE, SHIBI, US  
[72] MEYER, KATHRIN, US  
[71] RESEARCH INSTITUTE AT  
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[54] SYSTEMES DE STOCKAGE DE  
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[72] LEE, CRAIG ALLEN, US  
[71] DARLING INGREDIENTS INC., US  
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[25] EN  
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[54] STATION RADIO MOBILE  
[72] HILL, ANDREW, AU  
[72] JACOB, JOHN, AU  
[71] CRITICAL INFRASTRUCTURE  
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REALITY HEADSETS  
[54] ZONES DE LENTILLES DE VUE  
AVANT ET PERIPHERIQUE POUR  
CASQUES DE REALITE  
VIRTUELLE  
[72] GOERGEN, PATRICK JOHN, US  
[72] GRAHAM, MARTIN EVAN, US  
[71] UNIVERSAL CITY STUDIOS LLC,  
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[85] 2023-10-25  
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- [54] COMPOSITION COMPRENANT UN INHIBITEUR DE LA TRANSCRIPTION MITOCHONDRIALE
- [72] BERGBREDE, TIM, DE
- [72] UNGER, ANKE, DE
- [72] DI LUCREZIA, RAFFAELLA, DE
- [72] CHOIDAS, AXEL, DE
- [72] KLEBL, BERT, DE
- [72] NUSSBAUMER, PETER, DE
- [72] MENNINGER, SASCHA, DE
- [72] HABENBERGER, PETER, DE
- [72] ZISCHINSKY, GUNTHER, DE
- [72] KOCH, UWE, DE
- [72] SCHRODER, PETER, DE
- [72] JESTRABOVA, PAVLA, CZ
- [72] PALOVA-JELINKOVA, LENKA, CZ
- [72] DANNOVÁ, KLARA, CZ
- [72] FALKENBERG-GUSTAFSSON, MARIA, SE
- [72] ARABANIAN, LALEH, SE
- [72] GUSTAFSSON, CLAES, SE
- [72] LARSSON, NILS-GORAN, SE
- [72] PALMQVIST, LARS, SE
- [71] LEAD DISCOVERY CENTER GMBH, DE
- [71] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E. V., DE
- [85] 2023-10-25
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- [25] EN
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- [54] FORMES CRISTALLINES DE SELS DE LSD
- [72] LEVY, DANIEL EMIL, US
- [72] SCHNEIDER, STEPHEN E., US
- [71] MIND MEDICINE, INC., US
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- [86] 2022-04-26 (PCT/US2022/026274)
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- [54] CO-EXPRESSION OF CONSTRUCTS AND IMMUNOSTIMULATORY COMPOUNDS
- [54] CO-EXPRESSION DE CONSTRUCTIONS ET DE COMPOSES IMMUNOSTIMULANTS
- [72] FREDRIKSEN, AGNETE BRUNSVIK, NO
- [72] BERSAAS, AUDUN TRYGGE HAUGEN, NO
- [72] GRANUM, STINE, NO
- [72] DILLARD, PIERRE, NO
- [71] NYKODE THERAPEUTICS ASA, NO
- [85] 2023-10-25
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- [30] DK (PA 2021 70221) 2021-05-10
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- [25] EN
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- [54] SYSTEMES DE STOCKAGE DE FLUIDE ET SURVEILLANCE
- [72] LEE, CRAIG ALLEN, US
- [71] DARLING INGREDIENTS INC., US
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- [25] EN
- [54] STEAM EFFECT NOZZLE FOR ENTERTAINMENT VENUE
- [54] BUSE A EFFET VAPEUR POUR SALLE DE SPECTACLE
- [72] ERICKSON, CHRISTOPHER, US
- [72] MAJDALI, DAVID GERARD, US
- [71] UNIVERSAL CITY STUDIOS LLC, US
- [85] 2023-10-25
- [86] 2022-05-11 (PCT/US2022/028827)
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- [30] US (63/191,539) 2021-05-21
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- [54] PROCEDES DE GENERATION DE CELLULES ENDOTHELIALES CORNEENNES MATURES
- [72] ABE, MASASHI, US
- [72] SAINI, JANMEET SINGH, US
- [72] GIAGTZOGLOU, NIKOLAOS, US
- [71] ASTELLAS INSTITUTE FOR REGENERATIVE MEDICINE, US
- [85] 2023-10-25
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[25] EN  
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[54] PARTICULES DE DISTRIBUTION PRESENTANT DES RAPPORTS COEUR : PAROI ELEVES  
[72] SMETS, JOHAN, BE  
[72] PINTENS, AN, BE  
[72] JUKES, AMANDA KISER, BE  
[72] CHAKAR, FADI SELIM, US  
[72] DRAHEIM, IAN ALAN, US  
[72] TRUJILLO, RAFAEL, US  
[71] ENCAPSYS, LLC, US  
[85] 2023-10-12  
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[87] (WO2023/287867)  
[30] US (63/221,618) 2021-07-14

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[51] Int.Cl. F01P 11/16 (2006.01) F01P 11/18 (2006.01)  
[25] EN  
[54] COMBUSTION GAS LEAK DETECTION STRATEGY  
[54] STRATEGIE DE DETECTION DE FUITE DE GAZ DE COMBUSTION  
[72] HUELSMANN, JOSEPH M., US  
[72] SPEICHINGER, JEFFREY J., US  
[72] KINGHAM, TEDDY E., US  
[72] KELLY, MARK A., US  
[71] CATERPILLAR INC., US  
[85] 2023-10-25  
[86] 2022-03-01 (PCT/US2022/018272)  
[87] (WO2022/231696)  
[30] US (17/242,840) 2021-04-28

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[54] GALECTIN-1-SPECIFIC MONOVALENT ANTIBODIES AND USES THEREOF  
[54] ANTICORPS MONOVALENTS SPECIFIQUES DE LA GALECTINE-1 ET LEURS UTILISATIONS  
[72] ST-PIERRE, YVES, CA  
[72] DOUCET, NICOLAS, CA  
[72] CHATENET, DAVID, CA  
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA  
[85] 2023-10-25  
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[54] PATH DETECTION DEVICE AND PROGRAM  
[54] DISPOSITIF ET PROGRAMME DE DETECTION DE TRAJET  
[72] SUZUKI, MASARU, JP  
[71] KABUSHIKI KAISHA TOSHIBA, JP  
[71] TOSHIBA DIGITAL SOLUTIONS CORPORATION, JP  
[85] 2023-10-25  
[86] 2022-04-14 (PCT/JP2022/017779)  
[87] (WO2022/230675)  
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[51] Int.Cl. F24D 19/10 (2006.01) F24F 11/89 (2018.01)  
[25] EN  
[54] CABINET HEATER PLENUM THERMOSTAT CONTROLLER  
[54] DISPOSITIF DE REGULATION DE THERMOSTAT DE CHAMBRE DE DISTRIBUTION D'ELEMENT CHAUFFANT SOUS ARMOIRE  
[72] VON ZUR MUEHLEN, PATRICK ALEXANDER, US  
[71] THE MARLEY COMPANY LLC, US  
[85] 2023-10-13  
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[25] EN  
[54] RNA SILENCING AGENTS AND METHODS OF USE  
[54] AGENTS DE SILENCAGE D'ARN ET PROCEDES D'UTILISATION  
[72] LI, ZHEN, US  
[72] ZHOU, ZHIQING (JOEL), US  
[71] ADARX PHARMACEUTICALS, INC., US  
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[87] (WO2022/221457)  
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[54] GARMENT WITH INTEGRATED BREAST MANAGEMENT SYSTEM  
[54] VETEMENT AVEC SYSTEME INTEGRE DE GESTION DE SEINS  
[72] CAFARO, RENEE, US  
[71] CAFARO, RENEE, US  
[85] 2023-10-25  
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[72] GATTO, FRANCESCO, SE  
[72] BRATULIC, SINI?A, SE  
[72] NIELSEN, JENS, DK  
[72] BACCONI, ANDREA, US  
[71] ELYPTA AB, SE  
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[30] US (63/180,768) 2021-04-28  
[30] GB (2113334.3) 2021-09-17

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[25] EN  
**[54] PLATED STEEL**  
**[54] MATERIAU D'ACIER PLAQUE**  
[72] TOKUDA, KOHEI, JP  
[72] MITSUNOBU, TAKUYA, JP  
[72] SAITO, MAMORU, JP  
[72] FUKUDA, YUTO, JP  
[72] GOTO, YASUTO, JP  
[72] SHINDO, HIDETOSHI, JP  
[72] NAKAMURA, FUMIAKI, JP  
[72] KAWANISHI, KOJI, JP  
[72] MIMURA, RYOHEI, JP  
[71] NIPPON STEEL CORPORATION, JP  
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[25] EN  
**[54] COMPOSITIONS AND METHODS FOR SEQUENCING BY SYNTHESIS**  
**[54] COMPOSITIONS ET PROCEDES DE SEQUENCAGE PAR SYNTHESE**  
[72] IAVICOLI, PATRIZIA, US  
[72] YUN, CHOL STEVEN, US  
[72] MARIANI, ANGELICA, GB  
[72] FRANCAIS, ANTOINE, GB  
[72] TOPPING, FREDERICK JAMES, GB  
[72] WINNARD, CHRISTOPHER, GB  
[72] BALDING, PHILIP, GB  
[71] ILLUMINA, INC., US  
[71] ILLUMINA CAMBRIDGE LIMITED, GB  
[85] 2023-10-25  
[86] 2022-05-19 (PCT/EP2022/063647)  
[87] (WO2022/243480)  
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**[54] SYSTEME DE REMPLISSAGE AUTOMATIQUE DE RESERVOIR DE FLUIDE D'ECHAPPEMENT DIESEL (DEF)**  
[72] TRUAN, BRANDON, US  
[72] HEWITT, TIMOTHY, US  
[71] ZOETIC EQUIPMENT GROUP, US  
[85] 2023-10-25  
[86] 2022-05-05 (PCT/US2022/027881)  
[87] (WO2022/235939)  
[30] US (63/184,782) 2021-05-05  
[30] US (17/737,623) 2022-05-05

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[13] A1

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[25] EN  
**[54] TRUCK-TABLET INTERFACE**  
**[54] INTERFACE DE TABLETTE DE CAMION**  
[72] GROTHAUS, BRENT, US  
[72] WINNER, DEAN, US  
[72] CASTANEDA, ANTHONY, US  
[72] WALTON, DAN, US  
[72] DENISON, RAY, US  
[72] WAGNER, ALLEN, US  
[72] FRADY, JAMISON, US  
[71] CROWN EQUPMENT CORPORATION, US  
[85] 2023-10-25  
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[25] EN  
**[54] ELECTROCHEMICAL CELLS WITH MULTIPLE SEPARATORS, AND METHODS OF PRODUCING THE SAME**  
**[54] CELLULES ELECTROCHIMIQUES DOTEES DE MULTIPLES SEPARATEURS, ET LEURS PROCEDES DE PRODUCTION**  
[72] CHEN, JUNZHENG, US  
[72] OTA, NAOKI, US  
[72] DISKO, JEFFRY, US  
[72] D'ANGELO, ANTHONY, US  
[71] 24M TECHNOLOGIES, INC., US  
[85] 2023-10-25  
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[87] (WO2022/232625)  
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**[54] SYSTEMES DE DETECTION ET LEURS PROCEDES D'UTILISATION**  
[72] LEAGUE, ALFRED W., US  
[72] KERR, DAMIEN A., US  
[71] ENTERPRISE SENSOR SYSTEMS, LLC, US  
[85] 2023-10-25  
[86] 2021-05-19 (PCT/US2021/033220)  
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[25] EN  
**[54] GASTRIC RESIDENCE SYSTEMS COMPRISING METHADONE**  
**[54] SYSTEMES DE PERMANENCE GASTRIQUE COMPRENANT DE LA METHADONE**  
[72] BEGUIN, ESTELLE, US  
[72] QUARTON, PATRICIA, US  
[72] KATSTRA, JEFFREY, US  
[72] ALTREUTER, DAVID, US  
[72] MONTEZCO, JUAN JARAMILLO, US  
[72] PIMPARADE, MANJEET, US  
[71] LYNDRA THERAPEUTICS, INC., US  
[85] 2023-10-25  
[86] 2022-05-04 (PCT/US2022/072115)  
[87] (WO2022/236289)  
[30] US (63/184,760) 2021-05-05

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[21] **3,216,744**  
[13] A1

[51] Int.Cl. C07K 14/47 (2006.01)  
[25] EN  
**[54] MICRODYSTROPHIN GENE THERAPY ADMINISTRATION FOR TREATMENT OF DYSTROPHINOPATHIES**  
**[54] ADMINISTRATION DE THERAPIE GENIQUE DE LA MICRODYSTROPHINE POUR LE TRAITEMENT DE DYSTROPHINOPATHIES**  
[72] DANOS, OLIVIER, US  
[72] KIM, SUNJUNG, US  
[72] BUSS, NICHOLAS, US  
[72] LIU, YE, US  
[72] QIAO, CHUNPING, US  
[72] FISCELLA, MICHELE, US  
[72] PATEL, HIREN, US  
[71] REGENXBIO INC., US  
[85] 2023-10-25  
[86] 2022-04-26 (PCT/US2022/026341)  
[87] (WO2022/232141)  
[30] US (63/180,064) 2021-04-26  
[30] US (63/245,909) 2021-09-19  
[30] US (63/314,436) 2022-02-27  
[30] US (63/319,363) 2022-03-13

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[21] **3,216,745**  
[13] A1

[51] Int.Cl. F16K 1/46 (2006.01) F16K 17/02 (2006.01) F16K 31/122 (2006.01) G05D 16/00 (2006.01) G05D 16/08 (2006.01) G05D 16/10 (2006.01)  
[25] EN  
**[54] MODULATING PILOT VALVE ASSEMBLY**  
**[54] ENSEMBLE VANNE PILOTE DE MODULATION**  
[72] KRITHIVASAN, RAJESH, US  
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US  
[85] 2023-10-25  
[86] 2022-04-29 (PCT/US2022/072011)  
[87] (WO2022/232836)  
[30] US (17/243,979) 2021-04-29

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[21] **3,216,746**  
[13] A1

[51] Int.Cl. C07H 15/04 (2006.01) D21H 17/29 (2006.01)  
[25] EN  
**[54] A METHOD FOR PRODUCING CATIONIC SACCHARIDES**  
**[54] PROCEDE DE PRODUCTION DE SACCHARIDES CATIONIQUES**  
[72] METSALA, ERKKI JOHANNES, FI  
[71] KEMIRA OYJ, FI  
[85] 2023-10-25  
[86] 2022-05-18 (PCT/FI2022/050332)  
[87] (WO2022/254083)  
[30] FI (20215645) 2021-06-03

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[21] **3,216,747**  
[13] A1

[25] EN  
**[54] SYSTEM AND METHOD FOR PREPARING A DOSE OF FOOD**  
**[54] SYSTEME ET PROCEDE DE PREPARATION D'UNE DOSE D'ALIMENT**  
[72] RANA, GIAN LUCA, IT  
[71] PASTIFICIO RANA S.P.A., IT  
[85] 2023-10-25  
[86] 2022-05-11 (PCT/IB2022/054385)  
[87] (WO2022/238925)  
[30] IT (102021000012233) 2021-05-12

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[21] **3,216,748**  
[13] A1

[51] Int.Cl. A61P 27/10 (2006.01) C07D 239/95 (2006.01)  
[25] EN  
**[54] OPHTHALMIC PREPARATION FOR MYOPIA SUPPRESSION**  
**[54] GOUTTE OCULAIRE POUR SUPPRIMER LA MYOPIE**  
[72] JEONG, HEONUK, JP  
[72] KURIHARA, TOSHIHIDE, JP  
[72] TSUBOTA, KAZUO, JP  
[71] TSUBOTA LABORATORY, INC., JP  
[85] 2023-10-25  
[86] 2022-05-17 (PCT/JP2022/020514)  
[87] (WO2022/244765)  
[30] JP (2021-082858) 2021-05-17

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[21] **3,216,749**  
[13] A1

[51] Int.Cl. B65D 90/24 (2006.01)  
[25] EN  
**[54] OIL CONTAINMENT SYSTEM AND METHOD**  
**[54] SYSTEME DE CONFINEMENT D'HUILE ET PROCEDE**  
[72] GANNON, WILLIAM J., US  
[72] MELACCIO, PAUL, US  
[72] PERROTTI, CHESTER, US  
[71] SOLIDIFICATION PRODUCTS INTERNATIONAL, INC., US  
[85] 2023-10-25  
[86] 2022-04-28 (PCT/US2022/026818)  
[87] (WO2022/232450)  
[30] US (63/181,717) 2021-04-29

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[21] **3,216,751**  
[13] A1

[51] Int.Cl. F17D 1/18 (2006.01) F17D 1/16 (2006.01)  
[25] EN  
**[54] SYSTEM AND METHOD FOR FACILITATING HYDROCARBON FLUID FLOW**  
**[54] SYSTEME ET PROCEDE POUR FACILITER L'ECOULEMENT D'UN FLUIDE HYDROCARBONE**  
[72] AL AYESH, AHMED H., SA  
[72] BATARSEH, SAMEEH, SA  
[71] SAUDI ARABIAN OIL COMPANY, SA  
[85] 2023-10-25  
[86] 2022-04-20 (PCT/US2022/025575)  
[87] (WO2022/231911)  
[30] US (17/246,122) 2021-04-30

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[21] **3,216,752**  
[13] A1

[51] Int.Cl. C07D 413/14 (2006.01)  
[25] EN  
**[54] MODULATORS OF TREX1**  
**[54] MODULATEURS DE TREX1**  
[72] LEVELL, JULIAN R., US  
[72] COFFIN, AARON, US  
[72] ZABLOCKI, MARY-MARGARET, US  
[72] WILSON, JONATHAN E., US  
[72] KHANNA, AVINASH, US  
[72] GUERIN, DAVID J., US  
[72] MCELROY, WILLIAM T., US  
[72] ROCNIK, JENNIFER L., US  
[71] CONSTELLATION PHARMACEUTICALS, INC., US  
[85] 2023-10-25  
[86] 2022-04-25 (PCT/US2022/026103)  
[87] (WO2022/232004)  
[30] US (63/179,723) 2021-04-26

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[21] **3,216,753**  
[13] A1

[51] Int.Cl. A61K 51/04 (2006.01)  
[25] EN  
**[54] DEUTERATED COMPOUNDS AND IMAGING AGENTS FOR IMAGING HUNTINGTIN PROTEIN**  
**[54] COMPOSES DEUTERES ET AGENTS D'IMAGERIE POUR L'IMAGERIE DE LA PROTEINE HUNTINGTINE**  
[72] LIU, LONGBIN, US  
[72] DOMINGUEZ, CELIA, US  
[72] BARD, JONATHAN, US  
[72] KHETARPAL, VINOD, US  
[72] JARVIS, ASHLEY, US  
[72] HAYES, SARAH, US  
[72] MANGETTE, JOHN E., US  
[71] CHDI FOUNDATION, INC., US  
[85] 2023-10-25  
[86] 2022-04-26 (PCT/US2022/026313)  
[87] (WO2022/232121)  
[30] US (63/180,608) 2021-04-27

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[21] **3,216,754**  
[13] A1

[51] Int.Cl. C10C 3/08 (2006.01) D01F 9/155 (2006.01)  
[25] EN  
**[54] CONTROLLING MESOPHASE SOFTENING POINT AND PRODUCTION YIELD BY VARYING SOLVENT SBN VIA SOLVENT DEASPHALTING**  
**[54] REGULATION DU POINT DE RAMOLISSEMENT MESOPHASE ET DU RENDEMENT DE PRODUCTION EN FAISANT VARIER LE SOLVANT SBN PAR DESASPHALTAGE AU SOLVANT**  
[72] LIU, YIFEI, US  
[72] COHN, STEPHEN T., US  
[72] YEH, JEFFREY C., US  
[72] XU, TENG, US  
[71] EXXONMOBIL CHEMICAL PATENTS INC., US  
[85] 2023-10-25  
[86] 2022-04-20 (PCT/US2022/025573)  
[87] (WO2022/231910)  
[30] US (63/180,845) 2021-04-28

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[21] **3,216,755**  
[13] A1

[51] Int.Cl. A61P 37/02 (2006.01)  
[25] EN  
**[54] MULTIMERIZATION OF BINDING MOLECULES HAVING AN ANTIBODY CONSTANT REGION VARIANT**  
**[54] MULTIMERISATION DE MOLECULES DE LIAISON PRESENTANT UNE VARIANTE DE REGION CONSTANTE D'ANTICORPS**  
[72] CHENG, RUJIN, US  
[72] FAN, BIN, US  
[72] HANSEN, SIMON, US  
[71] NGM BIOPHARMACEUTICALS, INC, US  
[85] 2023-10-25  
[86] 2022-04-27 (PCT/US2022/026505)  
[87] (WO2022/232246)  
[30] US (63/180,969) 2021-04-28

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[21] **3,216,756**  
[13] A1

[51] Int.Cl. A01N 31/02 (2006.01) A01N 35/04 (2006.01)  
[25] EN  
**[54] INSECT, BACTERIAL, AND/OR FUNGAL CONTROL COMPOSITION**  
**[54] COMPOSITION DE LUTTE CONTRE LES INSECTES, LES BACTERIES ET/OU LES CHAMPIGNONS**  
[72] WEAVER, HARVEY L., US  
[72] TEEVAN, NEIL B., US  
[72] BALLINGER, KENNETH E., US  
[72] JONES, SHAWN, US  
[71] ARKION LIFE SCIENCES, LLC, US  
[85] 2023-10-25  
[86] 2022-04-29 (PCT/US2022/026925)  
[87] (WO2022/232507)  
[30] US (63/182,089) 2021-04-30

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**[21] 3,216,757**  
[13] A1

- [51] Int.Cl. C07D 333/70 (2006.01) A61P  
19/06 (2006.01) C07D 409/04  
(2006.01)  
[25] EN  
[54] CRYSTAL FORM OF THIOPHENE DERIVATIVE AND PREPARATION METHOD THEREFOR  
[54] FORME CRISTALLINE DE DERIVE DE THIOPHENE ET SON PROCEDE DE PREPARATION  
[72] ZHANG, YANG, CN  
[72] WU, WENTAO, CN  
[72] LI, ZHIXIANG, CN  
[72] ZHU, WENYUAN, CN  
[71] DONGBAO PURPLE STAR (HANGZHOU) BIOPHARMACEUTICAL CO., LTD, CN  
[85] 2023-10-25  
[86] 2022-04-21 (PCT/CN2022/088295)  
[87] (WO2022/228280)  
[30] CN (202110472705.3) 2021-04-29  
[30] CN (202111112439.X) 2021-09-18
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**[21] 3,216,758**  
[13] A1

- [51] Int.Cl. B60H 1/26 (2006.01) B60H 1/34 (2006.01) B60J 9/04 (2006.01) F24F 13/02 (2006.01) F24F 13/06 (2006.01)  
[25] EN  
[54] SUPPLY AIR DUCT WITH INTEGRAL NOZZLES FOR DIFFUSING SUPPLY AIR ALONG THE LENGTH OF THE SUPPLY AIR DUCT  
[54] CONDUITE D'AMENEES D'AIR A BUSES INTEGREES POUR DIFFUSER L'AIR FOURNI SUR LA LONGUEUR DE LA CONDUITE D'AMENEES D'AIR  
[72] GRIFFIN, WILLIAM BRIAN, US  
[72] PERRY, NICHOLAS, US  
[72] THOMPSON, KYLE, US  
[72] HESS, JOSHUA, US  
[71] CAPTIVE-AIRE SYSTEMS, INC., US  
[85] 2023-10-25  
[86] 2022-04-20 (PCT/US2022/025483)  
[87] (WO2022/231895)  
[30] US (17/242,432) 2021-04-28

**[21] 3,216,759**  
[13] A1

- [51] Int.Cl. F03D 1/06 (2006.01) F03D 80/40 (2016.01)  
[25] EN  
[54] WIND TURBINE BLADE HAVING A DE-ICING SYSTEM  
[54] PALE D'EOLIENNE DOTEE D'UN SYSTEME DE DEGIVRAGE  
[72] HANSEN, LARS BO, DK  
[72] KILDEGAARD, CASPER, DK  
[72] HANCOCK, MARK, GB  
[71] LM WIND POWER A/S, DK  
[85] 2023-10-25  
[86] 2022-06-16 (PCT/EP2022/066486)  
[87] (WO2022/263596)  
[30] DK (PA202170304) 2021-06-16
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**[21] 3,216,760**  
[13] A1

- [51] Int.Cl. C12Q 1/6883 (2018.01)  
[25] EN  
[54] METHODS FOR DETECTING, MONITORING, AND GUIDING TREATMENT OF ALLOGRAFT REJECTION USING DISCRIMINATING GENE EXPRESSION SIGNATURES  
[54] PROCEDES POUR DETECTER, SURVEILLER ET GUIDER LE TRAITEMENT RELATIF AU REJET D'ALLOGREFFE EN UTILISANT DES SIGNATURES D'EXPRESSION GENIQUE DISCRIMINANTES  
[72] WOODWARD, ROBERT, US  
[72] XU, HUA, US  
[72] JIN, XIA, US  
[72] HILLER, DAVID, US  
[71] CAREDX, INC., US  
[85] 2023-10-25  
[86] 2022-04-29 (PCT/US2022/027079)  
[87] (WO2022/232609)  
[30] US (63/182,655) 2021-04-30  
[30] US (63/246,222) 2021-09-20

**[21] 3,216,761**  
[13] A1

- [51] Int.Cl. A61K 31/216 (2006.01) C07C 15/04 (2006.01) C07C 69/003 (2006.01) C07C 211/01 (2006.01)  
[25] EN  
[54] LIPID NANOMATERIALS AND USES THEREOF  
[54] NANOMATERIAUX LIPIDIQUES ET LEURS UTILISATIONS  
[72] DONG, YIZHOU, US  
[72] WANG, CHANG, US  
[72] ZHANG, YUEBAO, US  
[72] XUE, YONGER, US  
[71] OHIO STATE INNOVATION FOUNDATION, US  
[85] 2023-10-25  
[86] 2022-04-26 (PCT/US2022/026413)  
[87] (WO2022/232194)  
[30] US (63/179,688) 2021-04-26
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**[21] 3,216,762**  
[13] A1

- [25] EN  
[54] BIOCARBON COMPOSITIONS WITH OPTIMIZED FIXED CARBON AND PROCESSES FOR PRODUCING THE SAME  
[54] COMPOSITIONS DE BIOCARBONE A CARBONE FIXE OPTIMISE ET LEURS PROCEDES DE PRODUCTION  
[72] MENNELL, JAMES A., US  
[72] SLACK, DUSTIN, US  
[72] DAUGAARD, DAREN, US  
[71] CARBON TECHNOLOGY HOLDINGS, LLC, US  
[85] 2023-10-25  
[86] 2022-04-27 (PCT/US2022/026597)  
[87] (WO2022/232316)  
[30] US (63/180,240) 2021-04-27
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**[21] 3,216,763**  
[13] A1

- [51] Int.Cl. A61M 21/02 (2006.01)  
[25] EN  
[54] MATTRESS ADJUSTMENT BASED ON USER SLEEP STATES  
[54] AJUSTEMENT DE MATELAS BASE SUR LES ETATS DU SOMMEIL D'UN UTILISATEUR  
[72] KARSCHNIK, KODY LEE, US  
[72] GARCIA MOLINA, GARY N., US  
[71] SLEEP NUMBER CORPORATION, US  
[85] 2023-10-25  
[86] 2022-04-26 (PCT/US2022/026303)  
[87] (WO2022/232114)  
[30] US (63/181,590) 2021-04-29

## PCT Applications Entering the National Phase

<p style="text-align: right;"><b>[21] 3,216,764</b> [13] A1</p> <p>[25] EN  <b>[54] METHODS FOR ELECTRO-MECHANICAL TRANSFECTON</b>  <b>[54] PROCEDES DE TRANSFECTION ELECTROMECANIQUE</b>  [72] GARCIA, PAULO ANDRES, US  [72] BUIE, CULLEN, US  [72] BEIGHLEY, ROSS, US  [72] MCCORMACK, RAMEECH, US  [72] HEMPHILL, JAMES, US  [72] SIDO, JESSICA, US  [72] GRANT, BETHANY, US  [71] KYTOPEN CORPORATION, US  [85] 2023-10-25  [86] 2022-04-27 (PCT/US2022/026568)  [87] (WO2022/232294)  [30] US (63/180,617) 2021-04-27</p> <hr/> <p style="text-align: right;"><b>[21] 3,216,765</b> [13] A1</p> <p>[25] EN  <b>[54] ENGINEERED CELLS FOR THERAPY</b>  <b>[54] CELLULES INGENIERISEES POUR UNE THERAPIE</b>  [72] ZURIS, JOHN ANTHONY, US  [72] MARGULIES, CARRIE MARIE, US  [71] SHORELINE BIOSCIENCES, INC., US  [85] 2023-10-25  [86] 2022-05-04 (PCT/US2022/027685)  [87] (WO2022/235811)  [30] US (63/184,202) 2021-05-04  [30] US (63/184,453) 2021-05-05  [30] US (63/228,645) 2021-08-03  [30] US (63/233,688) 2021-08-16  [30] US (63/233,690) 2021-08-16  [30] US (63/233,701) 2021-08-16  [30] US (63/270,895) 2021-10-22  [30] US (63/275,269) 2021-11-03  [30] US (63/297,518) 2022-01-07  [30] US (63/321,890) 2022-03-21</p>	<p style="text-align: right;"><b>[21] 3,216,766</b> [13] A1</p> <p>[51] Int.Cl. F16K 1/46 (2006.01) F16K 17/02 (2006.01) F16K 31/22 (2006.01) G05D 16/00 (2006.01) G05D 16/08 (2006.01) G05D 16/10 (2006.01)  [25] EN  <b>[54] MODULATING PILOT VALVE ASSEMBLY</b>  <b>[54] ENSEMBLE VANNE PILOTE DE MODULATION</b>  [72] KRITHIVASAN, RAJESH, US  [71] BAKER HUGHES OILFIELD OPERATIONS LLC, US  [85] 2023-10-25  [86] 2022-04-29 (PCT/US2022/072012)  [87] (WO2022/232837)  [30] US (17/243,976) 2021-04-29</p> <hr/> <p style="text-align: right;"><b>[21] 3,216,768</b> [13] A1</p> <p>[51] Int.Cl. A61K 31/444 (2006.01) A61P 3/10 (2006.01) A61P 9/12 (2006.01)  [25] EN  <b>[54] 2-FLUOROALKYL-1,3,4-OXADIAZOL-5-YL-THIAZOL, HDAC6 INHIBITORS FOR USE IN THE TREATMENT OF METABOLIC DISEASE AND HFPEF</b>  <b>[54] 2-FLUOROALKYL-1,3,4-OXADIAZOL-5-YL-THIAZOL, INHIBITEURS DE HDAC6 POUR UTILISATION DANS LE TRAITEMENT DES MALADIES METABOLIQUES ET DE L'ICFEP</b>  [72] YANG, JIN, US  [72] MANDEGAR, MOHAMMAD A., US  [72] HOEY, TIMOTHY C., US  [71] TENAYA THERAPEUTICS, INC., US  [85] 2023-10-25  [86] 2022-05-04 (PCT/US2022/027725)  [87] (WO2022/235842)  [30] US (63/183,914) 2021-05-04  [30] US (63/210,676) 2021-06-15  [30] US (63/210,690) 2021-06-15</p>	<p style="text-align: right;"><b>[21] 3,216,770</b> [13] A1</p> <p>[51] Int.Cl. C07K 16/28 (2006.01)  [25] EN  <b>[54] ANTI-CLEC12A ANTIBODIES AND USES THEREOF</b>  <b>[54] ANTICORPS ANTI-CLEC12A ET LEURS UTILISATIONS</b>  [72] YOSHIHARA, TOMOKI, US  [71] MILLENNIUM PHARMACEUTICALS, INC., US  [85] 2023-10-25  [86] 2022-04-25 (PCT/US2022/026175)  [87] (WO2022/232044)  [30] US (63/179,755) 2021-04-26</p> <hr/> <p style="text-align: right;"><b>[21] 3,216,773</b> [13] A1</p> <p>[51] Int.Cl. A61K 31/5025 (2006.01) C07D 403/12 (2006.01) C07D 495/04 (2006.01)  [25] EN  <b>[54] COMPOUNDS AND USES THEREOF</b>  <b>[54] COMPOSES ET LEURS UTILISATIONS</b>  [72] NETHERTON, MATTHEW, US  [72] BRUCELLE, FRANCOIS, US  [72] DENG, JING, US  [72] VOIGT, JOHANNES H., US  [72] WILSON, KEVIN J., US  [71] FOGHORN THERAPEUTICS INC., US  [85] 2023-10-25  [86] 2022-05-10 (PCT/US2022/028511)  [87] (WO2022/240825)  [30] US (63/186,550) 2021-05-10  [30] US (63/325,716) 2022-03-31</p> <hr/> <p style="text-align: right;"><b>[21] 3,216,774</b> [13] A1</p> <p>[51] Int.Cl. E21B 23/01 (2006.01) E21B 17/06 (2006.01) E21B 43/10 (2006.01)  [25] EN  <b>[54] DISPOSABLE LINER RUNNING TOOL</b>  <b>[54] OUTIL DE FONCTIONNEMENT DE COLONNE PERDUE JETABLE</b>  [72] KRUEGER, MATTHEW J., US  [71] BAKER HUGHES OILFIELD OPERATIONS LLC, US  [85] 2023-10-25  [86] 2022-04-25 (PCT/US2022/071899)  [87] (WO2022/232765)  [30] US (17/243,735) 2021-04-29</p>
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[21] **3,216,775**

[13] A1

[51] Int.Cl. G21B 1/05 (2006.01)

[25] EN

[54] ELECTRODE CONFIGURATION FOR EXTENDED PLASMA CONFINEMENT

[54] CONFIGURATION D'ELECTRODE POUR UN CONFINEMENT DE PLASMA ETENDU

[72] MEIER, ERIC, US

[72] NELSON, BRIAN A., US

[72] SHUMLAK, URI, US

[71] ZAP ENERGY, INC., US

[85] 2023-10-25

[86] 2022-05-27 (PCT/US2022/031388)

[87] (WO2022/260879)

[30] US (63/194,866) 2021-05-28

[30] US (63/194,877) 2021-05-28

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[21] **3,216,776**

[13] A1

[51] Int.Cl. G06F 21/31 (2013.01) G06F 21/53 (2013.01)

[25] EN

[54] ENTERPRISE BROWSER SYSTEM

[54] SYSTEME DE NAVIGATEUR D'ENTREPRISE

[72] AMIGA, DAN, IL

[71] ISLAND TECHNOLOGY, INC., US

[85] 2023-10-25

[86] 2022-05-10 (PCT/IB2022/054341)

[87] (WO2022/238900)

[30] US (63/186,222) 2021-05-10

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[21] **3,216,777**

[13] A1

[51] Int.Cl. C02F 1/467 (2006.01) C25B 1/26 (2006.01) C25B 15/02 (2021.01)

[25] EN

[54] PRODUCTION OF AQUEOUS HYPOCHLOROUS ACID

THROUGH THE ELECTROLYSIS OF PH MODIFIED BRINES

[54] PRODUCTION D'ACIDE HYPOCHLOREUX AQUEUX PAR ELECTROLYSE DE SAUMURES A PH MODIFIE

[72] BOAL, ANDREW K., US

[71] DE NORA WATER TECHNOLOGIES, LLC, US

[85] 2023-10-25

[86] 2022-05-20 (PCT/US2022/030176)

[87] (WO2022/251050)

[30] US (63/192,448) 2021-05-24

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[21] **3,216,778**

[13] A1

[51] Int.Cl. A61L 9/20 (2006.01)

[25] EN

[54] PURIFICATION DEVICE

[54] DISPOSITIF DE MAINTIEN DE LA PROPRETE

[72] YIGIT, FEHMI, DE

[71] VIROBUSTER INTERNATIONAL GMBH, DE

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[72] GRAFF, MARK C., US

[72] GUARINO, JAMES C.L. (DECEASED), XX

[72] ROTTER, CHAD, US

[72] SIGMUND, DANIEL LOUIS, US

[72] KUEHL, STEVEN J., US

[72] PETERS, JOSEPH R., US

[72] GLASGOW, JUSTIN, US

[71] WHIRLPOOL CORPORATION, US

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[21] **3,216,780**

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[51] Int.Cl. F24D 5/12 (2006.01) F24D 15/04 (2006.01) F25B 30/02 (2006.01)

[25] EN

[54] DOUBLE HYBRID HEAT PUMPS AND SYSTEMS AND METHODS OF USE AND OPERATIONS

[54] POMPES A CHALEUR DOUBLES HYBRIDES, ET SYSTEMES ET PROCEDES D'UTILISATION ET DE FONCTIONNEMENT

[72] DESMARAIS, MATTHEW, US

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[54] MECANISME D'ACCES D'URGENCE A UNE ENCEINTE SECURISEE

[72] ALIZADEHBIRJANDI, ELAHEH, US

[72] YUSIFI, MUSTAFA, US

[72] RAHILLY, MICHAEL K., US

[72] REENTS, BOB, US

[72] HO, THI Q., US

[71] CAREFUSION 303, INC., US

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[72] MUELLER, THOMAS, CH

[72] MOEHLER, HANNS, CH

[72] COSTIN, JAMES C., US

[71] GEISTLICH PHARMA AG, CH

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- [54] ANALOGUES AZOTES DE LA SALINOMYCINE DESTINES A ETRE UTILISES DANS LE MYELOME MULTIPLE (MM)
- [72] RODRIGUEZ, RAPHAEL, FR
- [72] MOREAUX, JEROME, FR
- [72] BRET, CAROLINE, FR
- [72] DEVIN, JULIE, FR
- [72] CANEQUE COBO, TATIANA, FR
- [71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
- [71] CENTRE HOSPITALIER UNIVERSITAIRE DE MONTPELLIER, FR
- [71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
- [71] INSTITUT CURIE, FR
- [71] UNIVERSITE DE MONTPELLIER, FR
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- [25] EN
- [54] PHENYL -O-QUINOLINE, QUINAZOLINE, THIENOPYRIDINE, THIENOPYRIMIDINE, PYRROLOPYRIDINE, PYRROLOPYRIMIDINE COMPOUNDS HAVING ANTICANCER ACTIVITY
- [54] COMPOSES DE PHENYL-O-QUINOLEINE, DE QUINAZOLINE, DE THIENOPYRIDINE, DE THIENOPYRIMIDINE, DE PYRROLOPYRIDINE ET DE PYRROLOPYRIMIDINE AYANT UNE ACTIVITE ANTICANCEREUSE
- [72] YANG, DUN, CN
- [72] LV, GANG, CN
- [72] ZHANG, JING, CN
- [72] ZHANG, SHENQIU, GB
- [72] ALLEN, THADDEUS, US
- [72] SHI, QIONG, CN
- [72] LI, HONGMEI, CN
- [72] YANG, CHENGLU, CN
- [72] LONG, YAN, CN
- [71] CHENGDU ANTICANCER BIOSCIENCE, LTD., CN
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- [54] COMPRESSION DE NUAGES DE POINTS BASEE SUR UN APPRENTISSAGE PAR TRANSFORMATION DE DECHIRURE
- [72] TIAN, DONG, US
- [72] PANG, JIAHAO, US
- [72] QUACH, MAURICE, FR
- [72] VALENZISE, GIUSEPPE, FR
- [72] DUFAUX, FREDERIC, FR
- [71] INTERDIGITAL PATENT HOLDINGS, INC., US
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- [54] PROCEDE ET DISPOSITIF D'EVALUATION SUR SITE D'UNE IMAGE
- [72] TOLRON, XAVIER, AT
- [72] MINGALIEV, SHAVKAT, AT
- [72] LUBKER, POUL ANKER SKAARUP, CH
- [71] VENTUS ENGINEERING GMBH, AT
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- [54] METHODE DE DIAGNOSTIC ET DE TRAITEMENT DE SUJETS PRESENTANT DES POLYMORPHISMES MONONUCLEOTIDIQUES SUR LE LOCUS 2:107 510 000-107 540 000 DU CHROMOSOME 2
- [72] ZISAPEL, NAVA, IL
- [72] LAUDON, MOSHE, IL
- [71] NEURIM PHARMACEUTICALS (1991) LTD., IL
- [85] 2023-10-25
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- [25] EN
- [54] COMMUNICATION METHOD AND APPARATUS
- [54] PROCEDE ET APPAREIL DE COMMUNICATION
- [72] GAN, MING, CN
- [72] LU, YUXIN, CN
- [72] LIU, CHENCHEN, CN
- [72] GONG, BO, CN
- [71] HUAWEI TECHNOLOGIES CO., LTD., CN
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- [25] EN
- [54] VENTURI DEVICE WITH FORCED INDUCTION
- [54] DISPOSITIF VENTURI A INDUCTION FORCEE
- [72] KERTON, JAMES MATTHEW, US
- [71] ZERO NOX, INC., US
- [85] 2023-10-25
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- [25] EN
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- [54] COMPOSITIONS DE BIOCARBONE AVEC CARBONE FIXE OPTIMISE ET LEURS PROCEDES DE PRODUCTION
- [72] MENNELL, JAMES A., US
- [72] SLACK, DUSTIN, US
- [72] DAUGAARD, DAREN, US
- [71] CARBON TECHNOLOGY HOLDINGS, LLC, US
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- [25] EN
- [54] MEAT PROCESSING APPARATUS
- [54] DISPOSITIF DE TRANSFORMATION DE VIANDE
- [72] UMINO, TATSUYA, JP
- [72] TAKAHASHI, TOSHIHIDE, JP
- [71] MAYEKAWA MFG. CO., LTD., JP
- [85] 2023-10-25
- [86] 2022-03-31 (PCT/JP2022/016678)
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- [54] PROCEDES DE DOSAGE ET DE TRAITEMENT AVEC UNE PROTEINE IMMUNOMODULATRICE DE FUSION TACI-FC
- [72] DILLON, STACEY, US
- [72] YANG, JING, US
- [72] PENG, STANFORD L., US
- [71] ALPINE IMMUNE SCIENCES, INC., US
- [85] 2023-10-25
- [86] 2022-05-06 (PCT/US2022/072188)
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- [30] US (63/186,027) 2021-05-07
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- [85] 2023-10-25
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- [87] (WO2022/229614)
- [30] GB (2105935.7) 2021-04-26

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- [25] EN
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- [54] POUDRE A LEVER SANS PHOSPHATE
- [72] BOSMANS, GEERTRUI, BE
- [72] PAREYT, BRAM, BE
- [71] PURATOS NV, BE
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- [30] BE (BE2021/5325) 2021-04-27

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  - [71] JAPAN SCIENCE TECHNOLOGY AGENCY, JP
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  - [30] JP (2021-091832) 2021-05-31
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- [72] NIVOROZHKN, ALEX, US
- [72] PALFREYMAN, MICHAEL, US
- [72] AVERY, KENNETH L., US
- [72] PATHARE, PRADIP M., US
- [72] SHUKOOR, MOHAMMED I., US
- [71] CYBIN IRL LIMITED, IE
- [85] 2023-10-25
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- [87] (WO2022/243285)
- [30] US (63/189,449) 2021-05-17

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[54] ALLOSTERIC CHROMENONE INHIBITORS OF PHOSPHOINOSITIDE 3-KINASE (PI3K) FOR THE TREATMENT OF DISEASE

[54] INHIBITEURS CHROMENONE ALLOSTERIQUES DE LA PHOSPHOINOSITIDE 3-KINASE (PI3K) POUR LE TRAITEMENT D'UNE MALADIE

[72] ANDERSON, ERIN DANIELLE, US  
[72] ARONOW, SEAN DOUGLAS, US  
[72] BOYLES, NICHOLAS A., US  
[72] CHEN, XIAOHONG, US  
[72] DAWADI, SURENDRA, US  
[72] HICKEY, EUGENE R., US  
[72] IRVIN, THOMAS COMBS, US  
[72] KESICKI, EDWARD A., US  
[72] KNIGHT, JENNIFER LYNN, US  
[72] KOLAKOWSKI, GABRIELLE R., US  
[72] KUMAR, MANOJ, US  
[72] LONG, KATELYN FRANCES, US  
[72] MAYNE, CHRISTOPHER GLENN, US  
[72] PICADO, ALFREDO, US  
[72] POTOTSCHNIG, GERIT MARIA, US  
[72] WANG, HUA-YU, US  
[72] WELCH, MICHAEL BRIAN, US  
[72] WIDJAJA, TIEN, US  
[72] WRIGHT, NATHAN EDWARD, US  
[71] PETRA PHARMA CORPORATION, US

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[86] 2022-05-02 (PCT/US2022/027306)  
[87] (WO2022/235575)  
[30] US (63/183,366) 2021-05-03  
[30] US (63/227,652) 2021-07-30  
[30] US (63/250,564) 2021-09-30  
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  - [25] EN
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  - [54] CONTROLE DE LA CONVERSION DU CO DANS DES SYNTHESES DE FISCHER-TROPSCH EN PLUSIEURS ETAPES
  - [72] BAUDNER, JULIAN, DE
  - [71] INERATEC GMBH, DE
  - [85] 2023-10-25
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  - [87] (WO2022/228896)
  - [30] DE (10 2021 110 735.0) 2021-04-27
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- [51] Int.Cl. G06T 15/08 (2011.01)
  - [25] EN
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  - [54] SYSTEMES ET PROCEDES DE TRAITEMENT D'IMAGES ELECTRONIQUES POUR DETERMINER UNE CARTOGRAPHIE PLANE
  - [72] TOMBROPOULOS, RHEA, US  
[72] HART, GREGORY R., US  
[72] YUEN, KATHY, US  
[72] CALLEBAUT, JOSHUA, US  
[72] TRAN, JOHN, US  
[72] TANG, JONATHAN, US  
[72] PATEL, NRUPESH, US  
[71] HEARTFLOW, INC., US  
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- [54] BASSINS DE LIT A PROFIL BAS
- [72] WITKOS, MACIEJ, US  
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[85] 2023-10-25  
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[87] (WO2022/232394)  
[30] US (63/201,447) 2021-04-29  
[30] US (17/660,903) 2022-04-27  
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<p style="text-align: right;"><b>[21] 3,216,805</b> [13] A1</p> <p>[51] Int.Cl. B23B 47/28 (2006.01) E04F 21/22 (2006.01)</p> <p>[25] FR</p> <p>[54] DEVICE FOR ASSISTANCE IN DRILLING A BOARD</p> <p>[54] DISPOSITIF D'AIDE AU PERCAGE D'UNE PLANCHE</p> <p>[72] MONJO, JACQUES, FR</p> <p>[71] MAF AGROBOTIC, FR</p> <p>[85] 2023-10-25</p> <p>[86] 2022-04-27 (PCT/EP2022/061195)</p> <p>[87] (WO2022/229256)</p> <p>[30] FR (FR2104551) 2021-04-30</p>	<p style="text-align: right;"><b>[21] 3,216,808</b> [13] A1</p> <p>[51] Int.Cl. G06Q 10/06 (2023.01)</p> <p>[25] EN</p> <p>[54] METHOD, APPARATUS AND SYSTEM FOR QUALITY ASSESSMENT OF AN OBJECT PRODUCED BY AT LEAST ONE 3D PRINTER</p> <p>[54] PROCEDE, APPAREIL ET SYSTEME D'EVALUATION DE LA QUALITE D'UN OBJET PRODUIT PAR AU MOINS UNE IMPRIMANTE 3D</p> <p>[72] SIEBERT, MAX, DE</p> <p>[72] SAMANVAYA, KUMAR, DE</p> <p>[72] VARADI, JANOS, DE</p> <p>[71] REPLIQUE GMBH, DE</p> <p>[85] 2023-10-25</p> <p>[86] 2022-04-28 (PCT/EP2022/061350)</p> <p>[87] (WO2022/229321)</p> <p>[30] EP (21170860.7) 2021-04-28</p>	<p style="text-align: right;"><b>[21] 3,216,810</b> [13] A1</p> <p>[51] Int.Cl. C10J 3/50 (2006.01) C10J 3/78 (2006.01) C10L 5/06 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND APPARATUS FOR INDUSTRIAL PRODUCTION OF RENEWABLE SYNTHETIC FUELS</p> <p>[54] PROCEDE ET APPAREIL DE PRODUCTION INDUSTRIELLE DE CARBURANTS SYNTHETIQUES RENOUVELABLES</p> <p>[72] MOGHADDAM, ELYAS M., NL</p> <p>[72] GOEL, AVISHEK, NL</p> <p>[72] TOPOROV, DOBRIN, NL</p> <p>[72] MOHAMMED, ALIREZA, NL</p> <p>[72] ZANDE, WIM VAN DER, NL</p> <p>[72] ZANDE, CHRIS VAN DER, NL</p> <p>[71] GIDARA ENERGY B.V., NL</p> <p>[85] 2023-10-25</p> <p>[86] 2022-05-06 (PCT/EP2022/062297)</p> <p>[87] (WO2022/234093)</p> <p>[30] EP (21172588.2) 2021-05-06</p>
<p style="text-align: right;"><b>[21] 3,216,806</b> [13] A1</p> <p>[51] Int.Cl. B01D 47/10 (2006.01) B01D 17/038 (2006.01) B03B 5/30 (2006.01) B03B 5/36 (2006.01) E21B 17/18 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR MIXTURE SEPARATION</p> <p>[54] SYSTEMES ET PROCEDES DE SEPARATION DE MELANGE</p> <p>[72] BUNTING, RAD TAYLOR, US</p> <p>[72] BUNTING, JACKIE O., US</p> <p>[71] BLACK SAND TECHNOLOGY, LLC, US</p> <p>[85] 2023-10-25</p> <p>[86] 2022-04-26 (PCT/US2022/026420)</p> <p>[87] (WO2022/232197)</p> <p>[30] US (63/180,067) 2021-04-26</p>		

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[13] A1

[51] Int.Cl. G06F 3/0481 (2022.01) G06F 3/04883 (2022.01) G10L 15/22 (2006.01)  
[25] EN  
[54] SPEECH INPUT TO USER INTERFACE CONTROLS  
[54] ENTREE VOCALE POUR COMMANDES D'INTERFACE UTILISATEUR  
[72] SANOV, CORY ERNEST, CA  
[71] SANOV, CORY ERNEST, CA  
[85] 2023-10-25  
[86] 2022-06-06 (PCT/CA2022/050903)  
[87] (WO2022/251978)  
[30] US (63/196,687) 2021-06-04

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[13] A1

[51] Int.Cl. G01N 27/22 (2006.01) A61B 5/08 (2006.01) G01N 33/00 (2006.01)  
[25] EN  
[54] SYSTEMS UTILIZING GRAPHENE VARACTOR HYSTERESIS EFFECTS FOR SAMPLE CHARACTERIZATION AS WELL AS CORRESPONDING METHOD  
[54] SYSTEMES UTILISANT DES EFFETS D'HYSTERESIS DE VARACTOR DE GRAPHENE POUR LA CARACTERISATION D'ECHANTILLON, AINSI QUE PROCEDE CORRESPONDANT  
[72] KOESTER, STEVEN, US  
[72] SU, QUN, US  
[72] BUHLMANN, PHILIPPE PIERRE JOSEPH, US  
[72] ZHEN, XUE, US  
[72] NELSON, JUSTIN THEODORE, US  
[72] SHERWOOD, GREGORY J., US  
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US  
[85] 2023-10-13  
[86] 2022-04-15 (PCT/US2022/025004)  
[87] (WO2022/221654)  
[30] US (63/175,670) 2021-04-16  
[30] US (17/719,760) 2022-04-13

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[13] A1

[51] Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2018.01) C12N 9/02 (2006.01)  
[25] EN  
[54] USE OF PROTOPORPHYRINOGEN OXIDASE  
[54] UTILISATION DE LA PROTOPORPHYRINOGENE OXYDASE  
[72] XIAO, XIANG, CN  
[72] SONG, QINGFANG, CN  
[72] TAO, QING, CN  
[72] YU, CAIHONG, CN  
[72] BAO, XIAOMING, CN  
[71] BEIJING DABEINONG BIOTECHNOLOGY CO., LTD., CN  
[85] 2023-10-13  
[86] 2022-04-27 (PCT/CN2022/089519)  
[87] (WO2022/237541)  
[30] CN (202110514749.8) 2021-05-12

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[13] A1

[51] Int.Cl. D06N 7/00 (2006.01) A47G 27/02 (2006.01) B32B 5/26 (2006.01)  
[25] FR  
[54] TUILE DE TAPIS OU BANDE DE TAPIS EN POLYESTER ET PROCEDE DE FABRICATIONPD'UNE TUILE DE TAPIS OU BANDE DE TAPIS EN POLYESTER  
[54] POLYESTER CARPET TILE OR CARPET STRIP, AND PROCESS FOR MANUFACTURING A POLYESTER CARPET TILE OR CARPET STRIP  
[72] SCHOLLIER, BERT, BE  
[71] DE POORTERE DECO SA, BE  
[85] 2023-10-13  
[86] 2022-04-14 (PCT/IB2022/053521)  
[87] (WO2022/219579)  
[30] BE (2021/5305) 2021-04-16

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[13] A1

[51] Int.Cl. A61F 7/02 (2006.01) A61F 7/00 (2006.01)  
[25] EN  
[54] TARGETED TEMPERATURE MANAGEMENT SYSTEMS, PADS, AND METHODS THEREOF  
[54] SYSTEMES, TAMPONS ET PROCEDES ASSOCIES DE GESTION DE TEMPERATURE CIBLEE  
[72] JOHNSTON, GABRIEL A., US  
[72] HOGLUND, MICHAEL R., US  
[72] STICH, MADELINE, US  
[72] HUGHETT, JAMES DAVI, US  
[72] WALKER, SEAN E., US  
[72] SALISBURY, REBECCA D., US  
[71] MEDIVANCE INCORPORATED, US  
[85] 2023-10-13  
[86] 2022-04-29 (PCT/US2022/026999)  
[87] (WO2022/235513)  
[30] US (63/183,506) 2021-05-03  
[30] US (63/185,016) 2021-05-06

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[13] A1

[51] Int.Cl. A61M 39/10 (2006.01)  
[25] EN  
[54] FLUID DELIVERY LINE AND CONNECTION SYSTEM FOR TARGETED TEMPERATURE MANAGEMENT SYSTEM  
[54] CONDUITE DE DISTRIBUTION DE FLUIDE ET SYSTEME DE RACCORDEMENT POUR SYSTEME DE GESTION DE TEMPERATURE CIBLEE  
[72] WARD, ALISTAIR JAMES, GB  
[72] AMOS, DALL GEORGE MATTHEW, GB  
[72] HEWETT, CARL GORDON, GB  
[72] TAYLOR, ANDREW ROBERT, GB  
[72] TURNER, HARRY DEAN, GB  
[72] WIN, LEANNE YIP HEUNG, GB  
[72] BECKETT, TREVOR, GB  
[71] C.R. BARD, INC., US  
[85] 2023-10-13  
[86] 2022-05-03 (PCT/US2022/027508)  
[87] (WO2022/235695)  
[30] US (17/313,771) 2021-05-06

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[13] A1

[51] Int.Cl. A61M 16/00 (2006.01) A61M 16/10 (2006.01) A61M 16/20 (2006.01)  
[25] EN  
[54] SYSTEMS AND METHODS FOR MEASURING PATIENT LUNG PRESSURE  
[54] SYSTEMES ET PROCEDES DE MESURE DE LA PRESSION PULMONAIRE D'UN PATIENT  
[72] CIPOLLONE, JOSEPH, US  
[72] AHMAD, SAMIR SALEH, US  
[72] HOLMES, MICHAEL B., US  
[72] SESMUNDO, JASON, US  
[71] VENTEC LIFE SYSTEMS, INC., US  
[85] 2023-10-13  
[86] 2022-04-14 (PCT/US2022/071729)  
[87] (WO2022/221863)  
[30] US (63/175,405) 2021-04-15

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[13] A1

[51] Int.Cl. C12N 9/22 (2006.01) C12N 15/113 (2010.01) C12N 15/10 (2006.01) C12N 15/63 (2006.01)  
[25] EN  
[54] GENE EXPRESSION REGULATORY SYSTEM USING CRISPR SYSTEM  
[54] SYSTEME REGULATEUR D'EXPRESSION GENETIQUE UTILISANT UN SYSTEME CRISPR  
[72] KIM, YONG-SAM, KR  
[72] KIM, DO YON, KR  
[72] CHIN, HYUN JUNG, KR  
[72] JEONG, DONGMIN, KR  
[72] KO, JEONG HEON, KR  
[71] GENKORE INC., KR  
[85] 2023-10-13  
[86] 2022-04-08 (PCT/KR2022/005135)  
[87] (WO2022/220503)  
[30] KR (10-2021-0050093) 2021-04-16

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[13] A1

[51] Int.Cl. H04N 19/44 (2014.01) H04N 19/52 (2014.01) H04N 19/577 (2014.01) H04N 19/70 (2014.01)  
[25] EN  
[54] ADAPTIVE BILATERAL MATCHING FOR DECODER SIDE MOTION VECTOR REFINEMENT  
[54] MISE EN CORRESPONDANCE BILATERALE ADAPTATIVE POUR AFFINEMENT DE VECTEUR DE MOUVEMENT LATERAL DE DECODEUR  
[72] HUANG, HAN, US  
[72] SEREGIN, VADIM, US  
[72] CHIEN, WEI-JUNG, US  
[72] ZHANG, ZHI, US  
[72] CHEN, CHUN-CHI, US  
[72] KARCZEWCZ, MARTA, US  
[71] QUALCOMM INCORPORATED, US  
[85] 2023-10-13  
[86] 2022-06-24 (PCT/US2022/073155)  
[87] (WO2023/278964)  
[30] US (63/216,468) 2021-06-29  
[30] US (63/263,754) 2021-11-08  
[30] US (17/847,942) 2022-06-23

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**[21] 3,216,821**  
[13] A1

[51] Int.Cl. E21B 47/01 (2012.01) E21B 47/017 (2012.01)  
[25] EN  
[54] A DOWNHOLE ASSEMBLY WITH SPRING ISOLATION FILTER  
[54] ENSEMBLE DE FOND DE TROU AVEC FILTRE D'ISOLATION DE RESSORT  
[72] GARCIA, MARIANO, US  
[72] KUCKES, ARTHUR F., US  
[72] THOMPSON, MORGAN, US  
[71] VECTOR MAGNETICS LLC, US  
[85] 2023-10-13  
[86] 2021-05-27 (PCT/US2021/034569)  
[87] (WO2022/250674)

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[13] A1

[51] Int.Cl. A01M 29/00 (2011.01) A01M 29/16 (2011.01) A01M 31/00 (2006.01)  
[25] EN  
[54] PEST MANAGEMENT SYSTEM  
[54] SYSTEME DE GESTION DES NUISIBLES  
[72] KAROUNOS, GEORGE, AU  
[71] BIRDSOL PTY LTD, AU  
[85] 2023-10-16  
[86] 2021-04-14 (PCT/AU2021/000033)  
[87] (WO2021/207782)  
[30] AU (2020901184) 2020-04-14

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[13] A1

[51] Int.Cl. B01F 23/231 (2022.01) B01F 35/513 (2022.01) C12M 1/00 (2006.01)  
[25] EN  
[54] SINGLE USE FLEXIBLE SPARGER  
[54] AGITATEUR FLEXIBLE A USAGE UNIQUE  
[72] MAHER, MARISA, US  
[72] BERTI PEREZ, STEFANO, US  
[72] HANSEN, ANNE, US  
[72] RHEIN, NOAH, US  
[72] MEI, AMY, US  
[72] GALARZA, SUALYNETH, US  
[72] CAULMARE, JOHN, US  
[72] MULDOON, JOSEPH W., US  
[72] WOOD, AMY, US  
[71] EMD MILLIPORE CORPORATION, US  
[85] 2023-10-16  
[86] 2022-04-14 (PCT/US2022/024843)  
[87] (WO2022/221549)  
[30] US (63/175,696) 2021-04-16

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[13] A1

[51] Int.Cl. A63B 59/70 (2015.01) A63B 60/14 (2015.01) A63B 59/00 (2015.01) B29C 63/00 (2006.01) B29C 63/18 (2006.01)  
[25] EN  
[54] HOCKEY BLADE PROTECTION SLEEVE  
[54] MANCHON DE PROTECTION POUR LAME DE HOCKEY  
[72] OGUNDIPE, SEGUN, US  
[71] OGUNDIPE, SEGUN, US  
[85] 2023-10-16  
[86] 2022-04-13 (PCT/US2022/024511)  
[87] (WO2022/221347)  
[30] US (63/175,685) 2021-04-16

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[13] A1

- [51] Int.Cl. C12N 15/86 (2006.01) A61K 48/00 (2006.01)
- [25] EN
- [54] PROMOTERS FOR VIRAL-BASED GENE THERAPY
- [54] PROMOTEURS POUR THERAPIE GENIQUE A BASE VIRALE
- [72] WELSBIE, DEREK, US
- [72] ZHANG, PINGWU, US
- [72] PATEL, AMIT, US
- [72] LU, TIANLUN, US
- [72] ZACK, DONALD J., US
- [72] CHAU, NATALIE, US
- [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
- [71] THE JOHNS HOPKINS UNIVERSITY, US
- [85] 2023-10-13
- [86] 2022-04-14 (PCT/US2022/024878)
- [87] (WO2022/221571)
- [30] US (63/174,679) 2021-04-14

**[21] 3,216,826**  
[13] A1

- [51] Int.Cl. G01N 33/68 (2006.01) B82Y 5/00 (2011.01) G01N 33/50 (2006.01)
- [25] EN
- [54] METHODS AND MATERIALS FOR DETECTING MISFOLDED POLYPEPTIDES
- [54] METHODES ET MATERIAUX DE DETECTION DE POLYPEPTIDES MAL REPILES
- [72] CHRISTENSON, PETER, US
- [72] ROWDEN, GAGE, US
- [72] OH, SANG-HYUN, US
- [72] LARSEN, PETER ANTHONY, US
- [72] LI, MANCI, US
- [71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
- [85] 2023-10-13
- [86] 2022-04-15 (PCT/US2022/025059)
- [87] (WO2022/221683)
- [30] US (63/176,114) 2021-04-16
- [30] US (63/277,999) 2021-11-10

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[13] A1

- [51] Int.Cl. G06Q 30/02 (2023.01) G06F 21/62 (2013.01) G06F 16/95 (2019.01) G06N 20/00 (2019.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR ESTABLISHING DATA LINKAGES
- [54] SYSTEMES ET PROCEDES POUR ETABLIR DES LIAISONS DE DONNEES
- [72] ORTIZ, EDISON U., CA
- [72] MCKAY, DAVID IAN, CA
- [72] KNOESS, CHRISTOPH, CA
- [72] KHANDAVILLI, RAVI, CA
- [72] NABULSI, ADEL AL, CA
- [72] SIMONELIS, JUSTIN, CA
- [71] ROYAL BANK OF CANADA, CA
- [85] 2023-10-16
- [86] 2022-03-22 (PCT/CA2022/050430)
- [87] (WO2022/198317)
- [30] US (63/164,444) 2021-03-22

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[13] A1

- [51] Int.Cl. C07C 231/02 (2006.01) C07C 233/29 (2006.01) C07C 235/38 (2006.01)
- [25] EN
- [54] NITROPHENYL-ACRYLAMIDES AND USES THEREOF
- [54] NITROPHENYL-ACRYLAMIDES ET LEURS UTILISATIONS
- [72] TAPINOS, NIKOLAOS, US
- [72] ZEPECKI, JOHN, US
- [72] KARAMBIZI, DAVID, US
- [71] BROWN UNIVERSITY, US
- [85] 2023-10-13
- [86] 2022-04-15 (PCT/US2022/025068)
- [87] (WO2022/221689)
- [30] US (63/175,476) 2021-04-15

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[13] A1

- [51] Int.Cl. F41H 11/02 (2006.01) F42B 15/22 (2006.01) F42B 21/00 (2006.01)
- [25] EN
- [54] ANTI TORPEDO SYSTEM
- [54] SYSTEME ANTI-TORPILLE
- [72] CARR, ANDREW MICHAEL, GB
- [72] LEWIN, RICHARD PETER, GB
- [71] BAE SYSTEMS PLC, GB
- [85] 2023-10-16
- [86] 2022-04-07 (PCT/GB2022/050870)
- [87] (WO2022/223942)
- [30] GB (2105538.9) 2021-04-19

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[13] A1

- [51] Int.Cl. A61K 9/52 (2006.01) A61K 9/28 (2006.01) A61K 9/32 (2006.01) A61K 47/32 (2006.01)
- [25] EN
- [54] IMPLANTABLE DEVICE FOR SUSTAINED RELEASE OF A MACROMOLECULAR DRUG COMPOUND
- [54] DISPOSITIF IMPLANTABLE POUR LA LIBERATION PROLONGEE D'UN COMPOSE MEDICAMENTEUX MACROMOLECULAIRE
- [72] SCHNEIDER, CHRISTIAN, US
- [72] HALEY, JEFFREY C., US
- [72] HAIR, DIRK, US
- [72] PATEL, HARSH, US
- [72] GYANANI, VIJAY, US
- [71] CELANESE EVA PERFORMANCE POLYMERS LLC, US
- [85] 2023-10-13
- [86] 2022-04-21 (PCT/US2022/025688)
- [87] (WO2022/231930)
- [30] US (63/179,620) 2021-04-26
- [30] US (63/252,287) 2021-10-05
- [30] US (63/300,767) 2022-01-19
- [30] US (63/311,517) 2022-02-18

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[13] A1

- [51] Int.Cl. B01J 8/00 (2006.01) B01D 24/02 (2006.01) C10G 49/00 (2006.01) C10G 75/00 (2006.01)
- [25] EN
- [54] FILTRATION DEVICE FOR A DOWN-FLOW HYDROPROCESSING REACTOR
- [54] DISPOSITIF DE FILTRATION POUR REACTEUR D'HYDROTRAITEMENT A FLUX DESCENDANT
- [72] SONG, STEVEN XUQI, US
- [72] POLAND, MATTHEW D., US
- [72] FORMEL, MATTHEW D., US
- [72] KASHEVAROFF, DAVID, US
- [72] FRANCE, JAMES, US
- [72] EVANS, TIMOTHY D., US
- [71] CHEVRON U.S.A. INC., US
- [85] 2023-10-13
- [86] 2022-04-21 (PCT/US2022/025823)
- [87] (WO2022/226228)
- [30] US (63/177,950) 2021-04-21

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[13] A1

- [51] Int.Cl. G16Y 30/00 (2020.01) G16Y 40/10 (2020.01) G16Y 40/20 (2020.01) G16Y 40/35 (2020.01) G06F 21/00 (2013.01)
  - [25] EN
  - [54] DEVICE MANAGEMENT PLATFORM
  - [54] PLATEFORME DE GESTION DE DISPOSITIF
  - [72] BRAZAO, EDUARDO CORREIA DA SILVA, US
  - [72] BRUMER, STEVEN NORMAN, US
  - [72] KLEIN, IAN MICHAEL, US
  - [72] KONG, LI, US
  - [72] PLANTE, MARC RUDLOFF, US
  - [72] RAMACHANDRAN, SRIDHAR, US
  - [72] SHYU, KIMBERLY TASHNER, US
  - [72] SLIWA, ROBERT JANUSZ, US
  - [72] SMITH, JEFFREY SCOTT, US
  - [72] WENDT, CHRISTOPHER ANTON, US
  - [72] YU, HAOFANG, US
  - [71] SOMOS, INC., US
  - [85] 2023-10-16
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  - [87] (WO2022/221711)
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- [51] Int.Cl. G06N 20/00 (2019.01) G06F 16/22 (2019.01) G08G 1/00 (2006.01)
- [25] EN
- [54] AUTONOMOUS CONTROL OF HEAVY EQUIPMENT AND VEHICLES USING TASK HIERARCHIES
- [54] COMMANDE AUTONOME D'EQUIPEMENT LOURD ET DE VEHICULES AU MOYEN DE HIERARCHIES DE TACHES
- [72] HALDER, BIBHRAJIT, US
- [71] SAFEAI, INC., US
- [85] 2023-10-13
- [86] 2022-04-22 (PCT/US2022/025976)
- [87] (WO2022/226325)
- [30] US (17/237,940) 2021-04-22

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- [51] Int.Cl. C08F 220/68 (2006.01) C08F 4/70 (2006.01)
- [25] EN
- [54] METHOD FOR PREPARING POLYMER, AND OBTAINED POLYMER
- [54] PROCEDE DE PREPARATION D'UN POLYMER, ET POLYMER OBTENU
- [72] GAO, RONG, CN
- [72] GOU, QINGQIANG, CN
- [72] LI, JUAN, CN
- [72] ZHANG, XIAOFAN, CN
- [72] LAI, JINGJING, CN
- [72] ZHANG, LONGGUI, CN
- [72] ZHOU, JUNLING, CN
- [72] LIN, JIE, CN
- [72] LI, XINYANG, CN
- [72] SONG, JIANHUI, CN
- [72] ZHANG, JUNHUI, CN
- [72] AN, JINGYAN, CN
- [72] ZHAO, HUI, CN
- [72] LI, YAN, CN
- [72] MA, DONG, CN
- [72] GU, YUANNING, CN
- [71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
- [71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN
- [85] 2023-10-16
- [86] 2022-03-21 (PCT/CN2022/082002)
- [87] (WO2022/227933)
- [30] CN (202110488781.3) 2021-04-28
- [30] CN (202110464082.5) 2021-04-28
- [30] CN (202110471084.7) 2021-04-29

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  - [25] EN
  - [54] DIAGNOSTICS AND RESOLUTION OPTIMIZATION FOR SCANNING PROJECTION STEREOLITHOGRAPHY
  - [54] OPTIMISATION DE DIAGNOSTIC ET DE RESOLUTION POUR STEREOLITHOGRAPHIE PAR PROJECTION PAR BALAYAGE
  - [72] MORAN, BRYAN D., US
  - [72] BAUMAN, BRIAN J., US
  - [71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
  - [85] 2023-10-13
  - [86] 2022-04-26 (PCT/US2022/026373)
  - [87] (WO2022/232160)
  - [30] US (63/179,761) 2021-04-26
  - [30] US (17/729,140) 2022-04-26
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- [51] Int.Cl. C12N 15/113 (2010.01)
- [25] EN
- [54] TREATMENT METHODS FOR MUSCULAR DYSTROPHY
- [54] PROCEDES DE TRAITEMENT POUR DYSTROPHIE MUSCULAIRE
- [72] SUN, HUADONG, US
- [72] EAST, LILLY, US
- [72] TINSLEY, JON, US
- [72] ELKINS, JAKE, US
- [71] SAREPTA THERAPEUTICS, INC., US
- [85] 2023-10-13
- [86] 2022-04-29 (PCT/US2022/026887)
- [87] (WO2022/232478)
- [30] US (63/182,327) 2021-04-30
- [30] US (63/249,721) 2021-09-29

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<p>[21] <b>3,216,841</b> [13] A1</p> <p>[25] EN  <b>[54] IMPROVEMENTS IN AND RELATING TO GROUND STABILISATION</b>  <b>[54] AMELIORATIONS APPORTEES A LA STABILISATION DU SOL ET RELATIVES A CETTE DERNIERE</b>  [72] EVANS, MARCUS PAUL, GB  [72] EVANS, WILLIAM PAUL, GB  [71] SHORE DEFENCE LIMITED, GB  [85] 2023-10-26  [86] 2022-05-04 (PCT/GB2022/051136)  [87] (WO2022/234275)  [30] GB (PCT/GB2021/051111) 2021-05-07  [30] GB (2110009.4) 2021-07-12</p>	<p>[21] <b>3,216,848</b> [13] A1</p> <p>[51] Int.Cl. A46B 5/00 (2006.01)  [25] EN  <b>[54] TOOTHBRUSH WITH REPLACABLE BRUSH HEAD</b>  <b>[54] BROSSE A DENTS DOTEE D'UNE TETE DE BROSSE REMPLACABLE</b>  [72] KAVANAGH, CHRISTOPHER JOHN, NO  [72] ABRY, CHRISTIAN, NO  [71] ORKLA HEALTH AS, NO  [85] 2023-10-16  [86] 2022-03-29 (PCT/EP2022/058304)  [87] (WO2022/218697)  [30] EP (21168873.4) 2021-04-16</p>	<p>[21] <b>3,216,854</b> [13] A1</p> <p>[51] Int.Cl. B65D 6/04 (2006.01) B65D 6/30 (2006.01) B65D 21/02 (2006.01) B65D 65/42 (2006.01) B65D 65/46 (2006.01) B65D 77/04 (2006.01)  [25] EN  <b>[54] STORAGE SYSTEM AND STORAGE CONTAINER</b>  <b>[54] SYSTEME DE STOCKAGE ET CONTENANT DE STOCKAGE</b>  [72] AUBUSSON, ALASTAIR, GB  [72] MCLARNEY, NICHOLAS, GB  [72] PARKS, IAN, GB  [72] HOLT, DAVID, GB  [71] OCADO INNOVATION LIMITED, GB  [85] 2023-10-16  [86] 2022-04-29 (PCT/EP2022/061612)  [87] (WO2022/229453)  [30] GB (2106170.0) 2021-04-29  [30] GB (2201849.3) 2022-02-11</p>
<p>[21] <b>3,216,842</b> [13] A1</p> <p>[51] Int.Cl. G08G 1/0969 (2006.01) G08G 1/01 (2006.01) G08G 1/16 (2006.01)  [25] EN  <b>[54] METHOD FOR CREATING A MAP WITH COLLISION PROBABILITIES</b>  <b>[54] PROCEDE DE CREATION D'UNE CARTE AVEC DES PROBABILITES DE COLLISION</b>  [72] STAHLIN, ULRICH, DE  [72] MENZEL, MARC, DE  [71] CONTINENTAL AUTOMOTIVE TECHNOLOGIES GMBH, DE  [85] 2023-10-16  [86] 2022-03-16 (PCT/DE2022/200042)  [87] (WO2022/223080)  [30] DE (10 2021 204 067.5) 2021-04-23</p>	<p>[21] <b>3,216,851</b> [13] A1</p> <p>[51] Int.Cl. A61K 9/107 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01)  A61K 31/352 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/22 (2006.01) A61K 47/32 (2006.01)  A61K 47/38 (2006.01)  [25] EN  <b>[54] FORMULATIONS OF CANNABINOIDS</b>  <b>[54] FORMULATIONS DE CANNABINOÏDES</b>  [72] NOWAK, REINHARD, DE  [72] NOWAK, MIRKO, DE  [72] NOWAK, JESKO JAY, DE  [72] POLLINGER, NORBERT, DE  [71] ADD ADVANCED DRUG DELIVERY TECHNOLOGIES LTD., CH  [85] 2023-10-16  [86] 2022-04-19 (PCT/EP2022/060276)  [87] (WO2022/219198)  [30] EP (21168880.9) 2021-04-16  [30] EP (21173344.9) 2021-05-11</p>	<p>[21] <b>3,216,857</b> [13] A1</p> <p>[51] Int.Cl. C07D 405/14 (2006.01) C07D 487/04 (2006.01) C07D 519/00 (2006.01)  [25] EN  <b>[54] PROCESS FOR PREPARING BTK INHIBITORS</b>  <b>[54] PROCEDE DE PREPARATION D'INHIBITEURS DE BTK</b>  [72] BACHMANN, STEPHAN, CH  [72] CHYTIL, LUKAS, CH  [72] FANTASIA, SERENA MARIA, CH  [72] FETTES, ALEC, CH  [72] HOFFMANN, URSULA, CH  [72] KAPPE, CHRISTIAN OLIVER, AT  [72] LEBL, RENE, AT  [72] PUENTENER, KURT, CH  [72] TOSATTI, PAOLO, CH  [72] WILLIAMS, JASON DOUGLAS, AT  [71] F. HOFFMANN-LA ROCHE AG, CH  [85] 2023-10-16  [86] 2022-05-03 (PCT/EP2022/061741)  [87] (WO2022/233801)  [30] EP (21172180.8) 2021-05-05  [30] EP (21181156.7) 2021-06-23</p>
<p>[21] <b>3,216,845</b> [13] A1</p> <p>[51] Int.Cl. B23C 5/10 (2006.01)  [25] EN  <b>[54] MILLING TOOL HAVING AT LEAST TWO RADII</b>  <b>[54] OUTIL DE FRAISAGE PRESENTANT AU MOINS DEUX RAYONS</b>  [72] NETZER, STEFAN, DE  [71] HPTEC GMBH, DE  [85] 2023-10-16  [86] 2022-03-14 (PCT/EP2022/056439)  [87] (WO2022/218625)  [30] DE (20 2021 102 047.4) 2021-04-16</p>	<p>[21] <b>3,216,853</b> [13] A1</p> <p>[51] Int.Cl. A23C 19/16 (2006.01) A23P 20/10 (2016.01)  [25] EN  <b>[54] NOVEL COMPOSITION FOR COATING CHEESE</b>  <b>[54] NOUVELLE COMPOSITION POUR L'ENROBAGE DE FROMAGE</b>  [72] DUELUND, MAJA SLYNGBORG, DK  [71] PROCUDAN A/S, DK  [85] 2023-10-16  [86] 2022-04-22 (PCT/EP2022/060694)  [87] (WO2022/223785)  [30] EP (21169850.1) 2021-04-22</p>	

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[13] A1

[51] Int.Cl. A61K 47/54 (2017.01) A61P 35/02 (2006.01)  
[25] EN  
[54] SIRNA TARGETING Tmprss6 FOR THE TREATMENT OF MYELOPROLIFERATIVE DISORDERS  
[54] PETIT ARN INTERFERENT CIBLANT Tmprss6 POUR LE TRAITEMENT DE TROUBLES MYELOPROLIFERATIFS  
[72] BENNETT, CAVAN, AU  
[72] PASRICHA, SANT-RAYN, AU  
[72] NG, ASHLEY, AU  
[72] DAMES, SIBYLLE, DE  
[72] SCHAEPER, UTE, DE  
[71] SILENCE THERAPEUTICS GMBH, DE  
[71] THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH, AU  
[85] 2023-10-26  
[86] 2022-04-26 (PCT/EP2022/060998)  
[87] (WO2022/229150)  
[30] EP (21170774.0) 2021-04-27

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[13] A1

[51] Int.Cl. C09K 5/14 (2006.01) A61B 5/055 (2006.01) F25B 9/00 (2006.01) G01N 24/00 (2006.01) H01F 6/00 (2006.01)  
[25] EN  
[54] MAGNETIC COLD STORAGE MATERIAL PARTICLE, COLD STORAGE DEVICE, REFRIGERATOR, CRYOPUMP, SUPERCONDUCTING MAGNET, MAGNETIC RESONANCE IMAGING APPARATUS, NUCLEAR MAGNETIC RESONANCE APPARATUS, MAGNETIC-FIELD-APPLICATION-TYPE SINGLE-CRYSTAL PULLER, AND HELIUM RE-CONDENSATION APPARATUS  
[54] PARTICULE DE MATERIAU MAGNETIQUE DE STOCKAGE DE FROID, DISPOSITIF DE STOCKAGE DE FROID, MACHINE FRIGORIFIQUE, CRYOPOMPE, AIMANT SUPRACONDUCTEUR, APPAREIL D'IMAGERIE PAR RESONANCE MAGNETIQUE NUCLEAIRE, APPAREIL DE RESONANCE MAGNETIQUE NUCLEAIRE, APPAREIL DE TIRAGE DE MONOCRISTAUX DE TYPEA APPLICATION CHAMP MAGNETIQUE, ET APPAREIL DE RECONDENSATION  
[72] KAWAMOTO, TAKAHIRO, JP  
[72] USUI, DAICHI, JP  
[72] HIRAMATSU, RYOSUKE, JP  
[71] KABUSHIKI KAISHA TOSHIBA, JP  
[71] TOSHIBA MATERIALS CO., LTD., JP  
[85] 2023-10-16  
[86] 2022-03-30 (PCT/JP2022/016240)  
[87] (WO2022/224783)  
[30] JP (2021-070760) 2021-04-20

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[13] A1

[51] Int.Cl. A61F 2/24 (2006.01)  
[25] EN  
[54] TRANSCATHETER DEVICES AND METHODS FOR TREATMENT OF A HEART  
[54] DISPOSITIFS TRANSCATHETERS ET METHODES DE TRAITEMENT D'UN COEUR  
[72] HOFFER, ERAN, IL  
[72] BRAUON, HAIM, IL  
[72] SHEPS, TAL, IL  
[72] MURPHY, BRIAN PATRICK, US  
[72] DOHERTY, THOMAS V., US  
[71] EDWARDS LIFESCIENCES INNOVATION (ISRAEL) LTD., IL  
[85] 2023-10-16  
[86] 2022-04-25 (PCT/IB2022/053805)  
[87] (WO2022/229815)  
[30] US (63/181,565) 2021-04-29

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[13] A1

[51] Int.Cl. C07D 401/14 (2006.01) A61K 31/4439 (2006.01) A61P 25/28 (2006.01) C07D 403/12 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01) C07D 491/056 (2006.01) C07D 491/08 (2006.01) C07D 491/107 (2006.01) C07D 498/04 (2006.01)  
[25] EN  
[54] HETEROARYL COMPOUNDS USEFUL IN THE TREATMENT OF COGNITIVE DISORDERS  
[54] COMPOSES HETEROARYLE POUVANT ETRE UTILISES DANS LE TRAITEMENT DE TROUBLES COGNITIFS  
[72] WARD, SIMON, GB  
[72] ATACK, JOHN, GB  
[72] ASHALL-KELLY, ALEXANDER, GB  
[72] BALDWIN, ALEX, GB  
[72] FOLEY, DAVID, GB  
[72] JONES, HEULYN, GB  
[72] YU, WAI LEUNG, GB  
[72] BRAND, STEPHEN, GB  
[72] NATARAJAN, SRINIVASAN, GB  
[71] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED, GB  
[85] 2023-10-26  
[86] 2022-05-04 (PCT/GB2022/051132)  
[87] (WO2022/234271)  
[30] GB (2106385.4) 2021-05-05  
[30] GB (2201949.1) 2022-02-15

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[51] Int.Cl. A61K 9/127 (2006.01) A61K 9/51 (2006.01) C12N 15/90 (2006.01)
[25] EN
[54] LIPID NANOPARTICLE COMPOSITIONS
[54] COMPOSITIONS DE NANOParticules LIPIDIQUES
[72] SWAMI, ARCHANA, US
[72] RAKSHE, VISHAL, US
[72] PRODEUS, AARON, US
[72] MAETANI, MICAH, US
[72] PARMAR, RUBINA GIARE, US
[71] INTELLIA THERAPEUTICS, INC., US
[85] 2023-10-16
[86] 2022-04-15 (PCT/US2022/025074)
[87] (WO2022/221695)
[30] US (63/176,228) 2021-04-17
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[30] US (63/316,575) 2022-03-04

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[51] Int.Cl. A61K 31/40 (2006.01) A61K 31/4015 (2006.01) A61K 31/47 (2006.01) A61K 31/4709 (2006.01)
[25] EN
[54] AZETIDINYL-ACETAMIDES AS CXCR7 INHIBITORS
[54] AZETIDINYL-ACETAMIDES UTILISES COMME INHIBITEURS DE CXCR7
[72] FAN, PINGCHEN, US
[72] LANGE, CHRISTOPHER W., US
[72] LUI, REBECCA M., US
[72] MCMURTRIE, DARREN J., CA
[72] SCAMP, RYAN J., US
[72] YANG, JU, US
[72] ZENG, YIBIN, US
[72] ZHANG, PenglIE, US
[71] CHEMOCENTRYX, INC., US
[85] 2023-10-16
[86] 2022-04-18 (PCT/US2022/025167)
[87] (WO2022/225832)
[30] US (63/176,451) 2021-04-19

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[51] Int.Cl. C07D 473/32 (2006.01) C12N 15/11 (2006.01)
[25] EN
[54] INHIBITORS OF DNA-DEPENDENT PROTEIN KINASE AND COMPOSITIONS AND USES THEREOF
[54] INHIBITEURS DE PROTEINE KINASE DEPENDANTE DE L'ADN, ET COMPOSITIONS ET UTILISATIONS DE CEUX-CI
[72] MAETANI, MICAH, US
[72] XIE, XIN JENNY, US
[72] FORGET, ANTHONY, US
[72] PRODEUS, AARON, US
[72] YAZINSKI, STEPHANIE, US
[72] PARMAR, RUBINA GIARE, US
[71] INTELLIA THERAPEUTICS, INC., US
[85] 2023-10-16
[86] 2022-04-15 (PCT/US2022/025075)
[87] (WO2022/221696)
[30] US (63/176,225) 2021-04-17

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[51] Int.Cl. A61K 9/127 (2006.01) A61K 47/28 (2006.01) C12N 15/88 (2006.01) C12N 15/90 (2006.01)
[25] EN
[54] LIPID NANOPARTICLE COMPOSITIONS
[54] COMPOSITIONS DE NANOParticules LIPIDIQUES
[72] SWAMI, ARCHANA, US
[72] RAKSHE, VISHAL, US
[72] PRODEUS, AARON, US
[72] MAETANI, MICAH, US
[72] PARMAR, RUBINA GIARE, US
[71] INTELLIA THERAPEUTICS, INC., US
[85] 2023-10-16
[86] 2022-04-15 (PCT/US2022/025076)
[87] (WO2022/221697)
[30] US (63/176,227) 2021-04-17
[30] US (63/254,948) 2021-10-12
[30] US (63/274,153) 2021-11-01
[30] US (63/316,568) 2022-03-04

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[51] Int.Cl. C10L 1/16 (2006.01) C10L 1/30 (2006.01)
[25] EN
[54] DIESEL FUEL AND FUEL ADDITIVE WITH A COMBUSTION CATALYST
[54] CARBURANT DIESEL ET ADDITIF POUR CARBURANT COMPRENANT UN CATALYSEUR DE COMBUSTION
[72] BRAMPTON, TOBY, GB
[72] LEE, EDWARD J., US
[72] LIU, RU-FEN, US
[72] MCCONNELL, CAMPBELL, US
[71] CDTI ADVANCED MATERIALS INC., US
[85] 2023-10-26
[86] 2022-10-17 (PCT/US2022/078239)
[87] (WO2023/064959)
[30] US (63/256,166) 2021-10-15

[21] <b>3,216,878</b> [13] A1
[51] Int.Cl. H04R 1/10 (2006.01) H04R 1/34 (2006.01)
[25] EN
[54] OPEN-EAR HEADPHONE
[54] ECOUTEUR A OREILLE OUVERTE
[72] MILLER, JOEL, US
[72] REILY, TODD, US
[71] BOSE CORPORATION, US
[85] 2023-10-16
[86] 2022-05-03 (PCT/US2022/027367)
[87] (WO2022/235603)
[30] US (17/306,208) 2021-05-03

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- [51] Int.Cl. C12N 15/52 (2006.01) A01N 43/00 (2006.01) C12N 9/00 (2006.01) C12N 9/02 (2006.01) C12N 9/10 (2006.01)
  - [25] EN
  - [54] ANTIBODY DRUG CONJUGATES AND METHODS FOR MAKING THEREOF
  - [54] CONJUGUES ANTICORPS-MEDICAMENT ET LEURS PROCEDES DE FABRICATION
  - [72] BLUEMMEL, ANNE-SOPHIE, CH
  - [72] BUNTING, KATHRIN, CH
  - [72] D'ALESSIO, JOSEPH ANTHONY, US
  - [72] FAN, LIQIONG, US
  - [72] FESSLER, BORIS, CH
  - [72] GABRIEL, DORIS, CH
  - [72] HAINZL, DOMINIK, US
  - [72] HOFFMASTER, KEITH, US
  - [72] IYER, SHWETHA, US
  - [72] KHERA, ESHITA, US
  - [72] ROBLES, EUSEBIO MANCHADO, CH
  - [72] MAUDENS, PIERRE, CH
  - [72] PISTORIUS, DOMINIK, CH
  - [72] RAMOT, ROEE, US
  - [72] ROMANET, VINCENT, CH
  - [72] WUERSCH, KUNO, CH
  - [72] YERRAMILLI-RAO, PADMAJA, US
  - [71] NOVARTIS AG, CH
  - [85] 2023-10-16
  - [86] 2022-04-15 (PCT/US2022/025106)
  - [87] (WO2022/221720)
  - [30] US (63/176,046) 2021-04-16
  - [30] US (63/254,031) 2021-10-08
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  - [25] EN
  - [54] TRUSTED CUSTODY CHAIN FOR VERIFIABLE CLAIMS
  - [54] CHAINE DE GARDE DE CONFIANCE POUR DES REVENDICATIONS VERIFIABLES
  - [72] MURDOCH, BRANDON BRIAN, US
  - [72] PATEL, ANKUR, US
  - [72] SACHS, ERIC CHRISTOPHER, US
  - [71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
  - [85] 2023-10-16
  - [86] 2022-05-06 (PCT/US2022/027952)
  - [87] (WO2022/256119)
  - [30] US (17/334,869) 2021-05-31
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  - [25] EN
  - [54] VIRAL TARGETING OF HEMATOPOIETIC STEM CELLS
  - [54] CIBLAGE VIRAL DE CELLULES SOUCHES HEMATOPOIETIQUES
  - [72] BIRNBAUM, MICHAEL, US
  - [72] DOBSON, CONNOR, US
  - [72] GAGLIONE, STEPHANIE, US
  - [72] ROYBAL, KOLE, US
  - [72] BURNETT, CASSANDRA, US
  - [71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
  - [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
  - [85] 2023-10-16
  - [86] 2022-04-16 (PCT/US2022/025142)
  - [87] (WO2022/221745)
  - [30] US (63/176,120) 2021-04-16
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  - [25] EN
  - [54] ELECTROLYTE FORMULATIONS AND ADDITIVES FOR IRON ANODE ELECTROCHEMICAL SYSTEMS
  - [54] FORMULATIONS D'ELECTROLYTE ET ADDITIFS POUR SYSTEMES ELECTROCHIMIQUES A ANODE DE FER
  - [72] THOMPSON, ANNELISE CHRISTINE, US
  - [72] GIBSON, MICHAEL ANDREW, US
  - [72] WOODFORD, WILLIAM HENRY, US
  - [72] EISENACH, REBECCA MARIE, US
  - [72] NEWHOUSE, JOCELYN MARIE, US
  - [72] PERKINS, NICHOLAS REED, US
  - [72] TAYLOR, OLIVIA CLAIRE, US
  - [72] SCHRODER, KJELL WILLIAM, US
  - [72] THOMAS-ALYEYA, KAREN, US
  - [71] FORM ENERGY, INC., US
  - [85] 2023-10-26
  - [86] 2022-04-28 (PCT/US2022/026844)
  - [87] (WO2022/232465)
  - [30] US (63/181,757) 2021-04-29
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- [51] Int.Cl. A61M 5/178 (2006.01) A61M 5/31 (2006.01) A61M 5/46 (2006.01)
  - [25] EN
  - [54] DRUG DELIVERY DEVICES, FINGER-GRIP ELEMENTS, AND RELATED METHODS
  - [54] DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT, ELEMENTS DE PREHENSION DE DOIGT ET METHODES ASSOCIEES
  - [72] SANCHEZ, STEVE, US
  - [72] HANCHAR, SCOTT, US
  - [72] CLARK, CALVIN, US
  - [71] AMGEN INC., US
  - [85] 2023-10-16
  - [86] 2022-06-02 (PCT/US2022/031947)
  - [87] (WO2022/260925)
  - [30] US (63/208,322) 2021-06-08
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[13] A1

- [51] Int.Cl. A47K 11/10 (2006.01) A46B 5/00 (2006.01) A47L 13/46 (2006.01)
  - [25] EN
  - [54] CLEANING ASSEMBLY
  - [54] ENSEMBLE DE NETTOYAGE
  - [72] ALSBERG, KEITH, US
  - [72] BELL, RUSSELL E., US
  - [72] MA, BENJAMIN, US
  - [72] BYRNE, JULIA, US
  - [71] THE CLOROX COMPANY, US
  - [85] 2023-10-16
  - [86] 2023-01-31 (PCT/US2023/011939)
  - [87] (WO2023/150096)
  - [30] US (17/590,646) 2022-02-01
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[13] A1

- [51] Int.Cl. A61K 31/4045 (2006.01) A61P 25/18 (2006.01)
- [25] EN
- [54] NOVEL N,N-DIMETHYLTRYPTAMINE COMPOSITIONS AND METHODS
- [54] NOUVELLES COMPOSITIONS DE N,N-DIMETHYLTRYPTAMINE ET METHODES
- [72] SHORT, GLENN, DE
- [72] RAO, SRINIVAS, DE
- [71] ATAI THERAPEUTICS, INC., US
- [85] 2023-10-26
- [86] 2022-04-26 (PCT/US2022/026396)
- [87] (WO2022/232179)
- [30] US (63/179,679) 2021-04-26

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[21] 3,216,890

[13] A1

[51] Int.Cl. F16K 1/52 (2006.01)

[25] EN

[54] FLOW CONTROL VALVE

[54] VANNE DE REGULATION DE  
DEBIT

[72] BAO, JINFENG, DK

[72] WU, JIANG, DK

[72] PEDERSEN, ANDERS, DK

[71] DANFOSS A/S, DK

[85] 2023-10-26

[86] 2022-05-09 (PCT/CN2022/091750)

[87] (WO2022/242495)

[30] CN (202110537412.9) 2021-05-17

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[21] 3,216,891

[13] A1

[51] Int.Cl. B24C 5/02 (2006.01) B05B 7/12  
(2006.01) B24C 3/02 (2006.01)

[25] EN

[54] METHODS AND SYSTEMS FOR  
ABRASIVE BLASTING

[54] PROCEDES ET SYSTEMES POUR  
ABRASION PAR PROJECTION

[72] NGUYEN, PHUONG TAYLOR, US

[71] AXXIOM MANUFACTURING, INC.,  
US

[85] 2023-10-26

[86] 2022-04-27 (PCT/US2022/026536)

[87] (WO2022/232272)

[30] US (17/241,466) 2021-04-27

[30] US (17/542,074) 2021-12-03

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[21] 3,216,892

[13] A1

[51] Int.Cl. A61C 7/00 (2006.01) A61C  
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[25] EN

[54] DEVICE FOR TRIMMING A  
DENTAL SPLINT

[54] DISPOSITIF DE DETOURAGE  
D'UNE GOUETTIERE DENTAIRE

[72] HUBER, MARTIN, AT

[72] WORMER-AIGMULLER, ALFONS,  
AT

[71] DENTAL MANUFACTURING UNIT  
GMBH, AT

[85] 2023-10-17

[86] 2022-04-14 (PCT/AT2022/060118)

[87] (WO2022/232853)

[30] AT (A50342/2021) 2021-05-04

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[21] 3,216,893

[13] A1

[25] EN

[54] CONTAINER CLOSURE SYSTEM  
AND SEALING ASSEMBLIES FOR  
MAINTAINING SEAL INTEGRITY  
AT LOW STORAGE  
TEMPERATURES

[54] SYSTEME DE FERMETURE DE  
RECIPIENT ET ENSEMBLES  
D'ETANCHEITE POUR  
MAINTENIR L'INTEGRITE DU  
JOINT A BASSES  
TEMPERATURES DE STOCKAGE

[72] CHRISTIE, DANE ALPHANSO, US

[72] SARAFIAN, ADAM ROBERT, US

[72] WU, JIANGTAO, US

[71] CORNING INCORPORATED, US

[85] 2023-10-26

[86] 2022-04-19 (PCT/US2022/025278)

[87] (WO2022/231885)

[30] US (63/179,719) 2021-04-26

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[21] 3,216,894

[13] A1

[51] Int.Cl. C07K 16/24 (2006.01) A61K  
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A61P 29/00 (2006.01) A61P 31/04  
(2006.01) A61P 37/04 (2006.01)

[25] EN

[54] AN ANTI-TSLP FAB WITH  
IMPROVED STABILITY

[54] FAB ANTI-TSLP A STABILITE  
AMELIOREE

[72] KOLBECK, ROLAND WILHELM, US

[72] COHEN, EMMA SUZANNE, GB

[72] HUNTINGTON, CATHERINE  
EUGENIE, GB

[71] MEDIMMUNE LIMITED, GB

[85] 2023-10-17

[86] 2022-04-19 (PCT/EP2022/060236)

[87] (WO2022/223514)

[30] EP (21169183.7) 2021-04-19

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[21] 3,216,899

[13] A1

[51] Int.Cl. B28B 11/08 (2006.01) H01M  
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B29C 53/22 (2006.01) C04B 35/486  
(2006.01) H01M 4/88 (2006.01)

[25] EN

[54] CORRUGATED GREEN SHEETS  
FOR THE PREPARATION OF  
LARGE-SIZED CERAMIC SHEETS  
AND RELATED METHODS AND  
USES

[54] FEUILLES VERTES ONDULEES  
POUR LA PREPARATION DE  
FEUILLES CERAMIQUES DE  
GRANDE TAILLE ET PROCEDES  
ET UTILISATIONS ASSOCIES

[72] HOJGAARD JENSEN, SOREN, DK

[72] LYCK SMITHSHUYSEN, ANNE, DK

[72] LUND FRANDSEN, HENRIK, DK

[72] SUDIREDDY, BHASKAR REDDY,  
DK

[72] EGSGAARD PEDERSEN, THOMAS,  
DK

[71] DYNELECTRO APS, DK

[85] 2023-10-17

[86] 2022-04-27 (PCT/EP2022/061236)

[87] (WO2022/229273)

[30] EP (21170635.3) 2021-04-27

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[21] 3,216,900

[13] A1

[51] Int.Cl. A23L 3/28 (2006.01) A23B  
7/015 (2006.01)

[25] EN

[54] USING SCATTERING FIELDS IN A  
MEDIUM TO REDIRECT WAVE  
ENERGY ONTO SURFACES IN  
SHADOW

[54] UTILISATION DE CHAMPS DE  
DIFFUSION DANS UN MILIEU  
POUR REDIRIGER UNE ENERGIE  
SOUS FORME D'ONDE SUR DES  
SURFACES DANS L'OMBRE

[72] SACCOMANNO, ROBERT, US

[71] LUMINATED GLAZINGS, LLC, US

[85] 2023-10-26

[86] 2022-06-06 (PCT/US2022/032309)

[87] (WO2022/246335)

[30] US (63/197,349) 2021-06-05

[30] US (63/196,819) 2021-06-04

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[13] A1

- [51] Int.Cl. C07K 1/22 (2006.01) C12N 9/12 (2006.01)
- [25] EN
- [54] IMPROVED PROTEIN PURIFICATION
- [54] PURIFICATION DE PROTEINES AMELIOREE
- [72] LUNDBACK, PETER, SE
- [72] OHMAN, JOHAN FREDRIK, SE
- [71] CYTIVA BIOPROCESS R&D AB, SE
- [85] 2023-10-17
- [86] 2022-05-09 (PCT/EP2022/062467)
- [87] (WO2022/238319)
- [30] GB (2106771.5) 2021-05-12

**[21] 3,216,906**  
[13] A1

- [51] Int.Cl. F26B 3/06 (2006.01) F26B 17/26 (2006.01)
- [25] EN
- [54] WASTE DRYING
- [54] SECHAGE DE DECHETS
- [72] EURLINGS, JOHANNES THEODORUS GERARDUS MARIE, NL
- [72] DE BEST, CARLO JACOBUS JOHANNES MARIA, NL
- [71] RWE GENERATION NL B.V., NL
- [85] 2023-10-17
- [86] 2022-06-21 (PCT/EP2022/066889)
- [87] (WO2023/280565)
- [30] EP (21183993.1) 2021-07-06

**[21] 3,216,908**  
[13] A1

- [25] EN
- [54] COMBINATION THERAPIES FOR TREATING CANCER
- [54] POLYTHERAPIES POUR LE TRAITEMENT DU CANCER
- [72] WAN, HONG, US
- [72] SIM, BANG JANET, US
- [72] RANDOLPH, SOPHIA, US
- [72] PONS, JAUME, US
- [72] KUO, TRACY CHIA-CHIEN, US
- [71] ALX ONCOLOGY INC., US
- [85] 2023-10-26
- [86] 2022-05-12 (PCT/US2022/029056)
- [87] (WO2022/241157)
- [30] US (63/188,388) 2021-05-13
- [30] US (63/193,581) 2021-05-26

**[21] 3,216,910**  
[13] A1

- [51] Int.Cl. H01R 4/12 (2006.01) H01R 4/70 (2006.01) H02G 15/00 (2006.01)
- [25] EN
- [54] ELECTRICAL CONNECTOR WITH CURE-IN-PLACE RESIN
- [54] CONNECTEUR ELECTRIQUE AVEC RESINE A DURCISSEMENT EN PLACE
- [72] HARDIN, TAYLOR, US
- [71] HARDIN, TAYLOR, US
- [85] 2023-10-26
- [86] 2022-05-13 (PCT/US2022/072307)
- [87] (WO2022/251780)
- [30] US (17/333,730) 2021-05-28

**[21] 3,216,912**  
[13] A1

- [51] Int.Cl. F23D 14/12 (2006.01) F23C 3/00 (2006.01) F23C 9/08 (2006.01)
- [25] EN
- [54] DARK RADIATOR
- [54] RADIATEUR SOMBRE
- [72] KREIS, EDGAR, DE
- [72] GENZEL, ALEXANDER, DE
- [72] STOHLER, TORSTEN, DE
- [72] RENNER, THOMAS, DE
- [71] SCHWANK GMBH, DE
- [85] 2023-10-12
- [86] 2022-12-06 (PCT/EP2022/084654)
- [87] (WO2023/104823)
- [30] EP (21213778.0) 2021-12-10

**[21] 3,216,916**  
[13] A1

- [51] Int.Cl. C22C 38/22 (2006.01) C21D 9/08 (2006.01) C22C 1/02 (2006.01) C22C 38/26 (2006.01)
- [25] EN
- [54] HIGH-STRENGTH AND HEAT-RESISTANT CASING FOR HEAVY OIL EXPLORATION AND MANUFACTURING METHOD THEREFOR
- [54] TUBAGE A HAUTE RESISTANCE MECANIQUE ET RESISTANT A LA CHALEUR DESTINE A L'EXPLORATION DE PETROLE LOURD ET PROCEDE DE FABRICATION ASSOCIE
- [72] DONG, XIAOMING, CN
- [72] ZHANG, ZHONGHUA, CN
- [72] YANG, WEIGUO, CN
- [71] BAOSHAN IRON & STEEL CO., LTD., CN
- [85] 2023-10-17
- [86] 2022-04-28 (PCT/CN2022/089945)
- [87] (WO2022/228524)
- [30] CN (202110479389.2) 2021-04-30

**[21] 3,216,933**  
[13] A1

- [51] Int.Cl. C08L 23/04 (2006.01)
- [25] EN
- [54] THERMOFORMABLE FILM FOR BARRIER PACKAGING AND METHODS OF FORMING THE SAME
- [54] FILM THERMOFORMABLE POUR UN EMBALLAGE SOUS MATERIAUX BARRIERES ET SES PROCEDES DE FORMATION
- [72] KAMMAUFF, WADE JACKSON, US
- [72] STEWART, SETH THOMAS, US
- [72] AMINUDDIN, NORMAN, US
- [71] KLOCKNER PENTAPLAST OF AMERICA, INC., US
- [85] 2023-10-26
- [86] 2022-05-31 (PCT/US2022/031641)
- [87] (WO2022/256341)
- [30] US (63/195,503) 2021-06-01

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[13] A1

[51] Int.Cl. G06V 20/69 (2022.01)

[25] EN

[54] SYSTEMS AND METHODS TO PROCESS ELECTRONIC IMAGES TO CATEGORIZE INTRA-SLIDE SPECIMEN TISSUE TYPE

[54] SYSTEMES ET PROCEDES POUR TRAITER DES IMAGES ELECTRONIQUES AFIN DE CATEGORISER UN TYPE DE TISSU D'ECHANTILLON INTRA-LAME

[72] GODRICH, RAN, US

[72] KANAN, CHRISTOPHER, US

[71] PAIGE.AI, INC., US

[85] 2023-10-26

[86] 2022-04-21 (PCT/US2022/071836)

[87] (WO2022/246354)

[30] US (63/191,729) 2021-05-21

[30] US (17646500) 2021-12-30

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**[21] 3,216,939**

[13] A1

[51] Int.Cl. A61K 31/4045 (2006.01) A61K 31/407 (2006.01) A61K 31/437 (2006.01) A61P 25/00 (2006.01)

[25] EN

[54] METHOD OF TITRATING DOSE OF PSYCHEDELICS

[54] PROCEDE DE TITRAGE DE DOSES D'AGENTS PSYCHEDELIQUES

[72] BARROW, ROBERT, US

[72] KARLIN, DANIEL R., US

[71] MIND MEDICINE, INC., US

[85] 2023-10-26

[86] 2022-05-01 (PCT/US2022/027179)

[87] (WO2022/235529)

[30] US (63/183,579) 2021-05-03

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**[21] 3,216,947**

[13] A1

[51] Int.Cl. A61K 8/49 (2006.01) A61K 38/13 (2006.01)

[25] EN

[54] CYCLOSPORINE COMPOSITIONS AND METHODS OF USE THEREOF

[54] COMPOSITIONS DE CYCLOSPORINE ET METHODES D'UTILISATION

[72] MADSEN, GARY L., US

[72] PORTER, CHRISTOPHER L., US

[71] PROTTRANSIT NANOTHERAPY LLC, US

[85] 2023-10-26

[86] 2022-06-14 (PCT/US2022/033404)

[87] (WO2022/266079)

[30] US (63/210,250) 2021-06-14

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**[21] 3,216,948**

[13] A1

[51] Int.Cl. A61C 17/22 (2006.01) A61C 17/34 (2006.01)

[25] EN

[54] DENTAL POLISHING CUP

[54] COUPELLE DE POLISSAGE DENTAIRE

[72] KERR, SEAN H., US

[71] IZZO, LLC, US

[85] 2023-10-26

[86] 2022-04-29 (PCT/US2022/026979)

[87] (WO2022/232538)

[30] US (63/181,754) 2021-04-29

[30] US (63/282,480) 2021-11-23

[30] US (63/181,735) 2021-04-29

[30] US (63/222,322) 2021-07-15

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**[21] 3,216,960**

[13] A1

[51] Int.Cl. G16H 30/40 (2018.01)

[25] EN

[54] SYSTEMS AND METHODS TO PROCESS ELECTRONIC IMAGES TO ADJUST STAINS IN ELECTRONIC IMAGES

[54] SYSTEMES ET PROCEDES DE TRAITEMENT D'IMAGES ELECTRONIQUES POUR AJUSTER DES COLORATIONS DANS LES IMAGES ELECTRONIQUES

[72] ALEMI, NAVID, US

[72] KANAN, CHRISTOPHER, US

[72] GRADY, LEO, US

[71] PAIGE.AI, INC., US

[85] 2023-10-26

[86] 2022-04-18 (PCT/US2022/071768)

[87] (WO2022/241368)

[30] US (63/187,685) 2021-05-12

[30] US (17/457,962) 2021-12-07

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**[21] 3,216,963**

[13] A1

[51] Int.Cl. E03B 7/07 (2006.01) E03D 1/34 (2006.01) E03D 5/10 (2006.01)

[25] EN

[54] CONNECTED FAUCET SYSTEMS

[54] SYSTEMES DE ROBINETS RACCORDES

[72] JOVEL, CLAUDIA MARCELA, US

[72] TORRES, KARL, US

[72] STOYNOV, STANIMIR, US

[71] AS AMERICA, INC., US

[85] 2023-10-26

[86] 2022-05-23 (PCT/US2022/030515)

[87] (WO2022/251105)

[30] US (63/192,299) 2021-05-24

# 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

[21] 3,110,331	[13] A1
[25] EN	
[54] ATTACHMENT DEVICE FOR MOUNTING ACCESSORIES TO AN UTILITY TERRAIN VEHICLE, AND ACCESSORIES MOUNTABLE THERETO	
[54]	
[72] LEBOUTHILLIER, DANIEL, CA	
[71] LEBOUTHILLIER, DANIEL, CA	
[22] 2021-03-01	
[41] 2021-10-03	
[30] US (63/100,817) 2020-04-03	

[21] 3,215,809	[13] A1
[25] EN	
[54] NEW SALT AND SOLID STATE FORMS OF ESCITALOPRAM	
[54] NOUVEAU SEL ET FORMES A L'ETAT SOLIDE D'ESCITALOPRAM	
[72] FRENKEL, ANTON, IL	
[72] WU, RAEANN RUIYUN, US	
[71] HASLETON, MARK, IL	
[22] 2018-10-09	
[41] 2019-04-18	
[62] 3,077,506	
[30] US (62/569,755) 2017-10-09	

[21] 3,216,027	[13] A1
[25] EN	
[54] BUMPER ASSEMBLY FOR A HOUSEKEEPING CART	
[54]	
[72] THUMA, MICHAEL, US	
[72] VOGLER, MICHAEL R., US	
[72] UFFNER, MICHAEL, US	
[71] SUNCAST TECHNOLOGIES, LLC, US	
[22] 2017-05-12	
[41] 2017-11-13	
[62] 2,967,204	
[30] US (62/335,914) 2016-05-13	
[30] US (15/593,838) 2017-05-12	

[21] 3,215,666	[13] A1
[25] EN	
[54] METHODS AND SYSTEMS FOR AUTOMATED PROCESS CONTROL FOR IN SITU HYDROCARBON RECOVERY	
[54] METHODES ET SYSTEMES DE CONTROLE DE PROCESSUS AUTOMATISE DESTINE A LA RECUPERATION D'HYDROCARBURE SUR PLACE	
[72] KADALI, RAMESH, CA	
[72] JAMES, BRUCE, CA	
[72] SHUKEIR, ELIYYA, CA	
[72] QI, FEI, CA	
[72] FEDENCZUK, LEON, CA	
[72] PEHLKE, TRENT, CA	
[71] SUNCOR ENERGY INC., CA	
[22] 2017-06-06	
[41] 2017-12-06	
[62] 2,969,796	
[30] US (62/346,529) 2016-06-06	

[21] 3,215,939	[13] A1
[25] EN	
[54] NON-FLUID STIMULATION OF POROUS MEDIA	
[54] STIMULATION NON FLUIDE DE MATIERE POREUSE	
[72] IONKINA, NATALYA, CA	
[72] IONKIN, VALERIY, CA	
[71] IONKINA, NATALYA, CA	
[71] IONKIN, VALERIY, CA	
[22] 2021-07-23	
[41] 2022-01-30	
[62] 3,209,316	
[30] US (63/058,940) 2020-07-30	

[21] 3,215,990	[13] A1
[25] EN	
[54] FURNITURE MEMBER HAVING LUMBAR ADJUSTMENT MECHANISM	
[54] ELEMENT MEUBLE COMPORTANT UN MECANISME DE REGLAGE LOMBAIRE	
[72] BUCHOLZ, BRANDON, US	
[72] HEGEDUS, ALEXANDER M., US	
[71] LA-Z-BOY INCORPORATED, US	
[22] 2019-11-05	
[41] 2020-05-14	
[62] 3,118,492	
[30] US (62/755,849) 2018-11-05	
[30] US (16/672,878) 2019-11-04	

[21] 3,216,041	[13] A1
[25] EN	
[54] METHOD FOR DETECTING ROTATION OF A ROD-STRING IN A WELLBORE	
[54]	
[72] PHILLIPS, WALTER, US	
[71] PHILLIPS, WALTER, US	
[22] 2018-12-21	
[41] 2019-06-30	
[62] 3,028,433	
[30] US (62/612,503) 2017-12-31	
[30] US (16/228,233) 2018-12-20	

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

<p style="text-align: right;">[21] <b>3,216,076</b> [13] A1</p> <p>[25] EN  <b>[54] DETECTION OF COMMON MEDIA SEGMENTS</b>  <b>[54] DETECTION DE SEGMENTS MULTIMEDIAS COMMUNS</b>  [72] NEUMEIER, ZEEV, US  [72] COLLETTE, MICHAEL, US  [71] INSCAPE DATA, INC., US  [22] 2016-07-15  [41] 2017-01-19  [62] 2,992,319  [30] US (62/193,322) 2015-07-16</p>	<p style="text-align: right;">[21] <b>3,216,207</b> [13] A1</p> <p>[25] EN  <b>[54] DETERMINING DOWNHOLE PROPERTIES WITH SENSOR ARRAY</b>  <b>[54] DETERMINATION DE CARACTERISTIQUES EN FOND DE TROU A L'AIDE D'UNE MOSAIQUE DE CAPTEURS</b>  [72] FRIPP, MICHAEL LINLEY, US  [72] FROSELL, THOMAS JULES, US  [72] BALASUBRAMANIAN, ASWIN, US  [72] HOLDERMAN, LUKE WILLIAM, US  [72] MARCUCCIO, SUZI MARIE, US  [72] BHAT, GIREESH, US  [72] BROWN, CLINT ADAM, US  [71] HALLIBURTON ENERGY SERVICES, INC., US  [22] 2018-02-12  [41] 2018-09-07  [62] 3,141,840  [30] US (62/467,026) 2017-03-03  [30] US (62/467,029) 2017-03-03  [30] US (62/467,019) 2017-03-03  [30] US (62/467,013) 2017-03-03</p>	<p style="text-align: right;">[21] <b>3,216,288</b> [13] A1</p> <p>[25] EN  <b>[54] EJECTOR AND AIRFOIL CONFIGURATIONS</b>  <b>[54] CONFIGURATIONS D'EJECTEUR ET DE PROFIL AREODYNAMIQUE</b>  [72] EVULET, ANDREI, US  [71] JETOPTERA, INC., US  [22] 2016-07-27  [41] 2017-04-20  [62] 2,996,285  [30] US (62/213,465) 2015-09-02</p>
<p style="text-align: right;">[21] <b>3,216,077</b> [13] A1</p> <p>[25] EN  <b>[54] VEHICLE HOOD SHIELD AND BRACKET SYSTEM</b>  <b>[54] PROTECTEUR DE TOIT DE VEHICULE ET MECANISME DE SUPPORT</b>  [72] ROSE, BRENT LORENZ, US  [72] BRAGA, BOB, US  [72] SHROYER, JONATHAN, US  [72] BIBB, WILLIAM FRANKLIN IV, US  [71] LUND, INC., US  [22] 2016-10-26  [41] 2017-04-30  [62] 2,946,911  [30] US (62/249,131) 2015-10-30  [30] US (15/072,195) 2016-03-16</p>	<p style="text-align: right;">[21] <b>3,216,247</b> [13] A1</p> <p>[25] EN  <b>[54] CORROSION RESISTANT BUSHING INCLUDING METAL MESH</b>  <b>[54] DOUILLE RESISTANT A LA CORROSION COMPRENANT UN TREILLIS METALLIQUE</b>  [72] HARTMANN, JUERGEN, DE  [71] SAINT-GOBAIN PERFORMANCE PLASTICS PAMPUS GMBH, DE  [22] 2016-12-30  [41] 2017-07-06  [62] 3,097,950  [30] US (62/273,634) 2015-12-31</p>	<p style="text-align: right;">[21] <b>3,216,290</b> [13] A1</p> <p>[51] Int.Cl. H01M 10/0567 (2010.01)  H01M 10/056 (2010.01) H01M 4/62 (2006.01) H01M 10/52 (2006.01)  H01M 10/0525 (2010.01)</p> <p>[25] EN  <b>[54] ORGANOCATALYST AS ADDITIVE IN AN ELECTROLYTE FOR A BATTERY</b>  <b>[54] ORGANOCATALYSEUR COMME ADDITIF DANS UN ELECTROLYTE DE BATTERIE</b>  [72] ASAOKAWA, YUICHIRO, CA  [72] DAIGLE, JEAN-CHRISTOPHE, CA  [72] UESAKA, SHINICHI, CA  [72] ZAGHIB, KARIM, CA  [71] HYDRO-QUEBEC, CA  [71] MURATA MANUFACTURING CO., LTD., JP  [22] 2017-04-05  [41] 2017-10-12  [62] 3,019,601  [30] US (62/318,988) 2016-04-06</p>
<p style="text-align: right;">[21] <b>3,216,187</b> [13] A1</p> <p>[25] EN  <b>[54] RETRACTABLE STEP AND SIDE BAR ASSEMBLY FOR RAISED VEHICLE</b>  <b>[54] ENSEMBLE DE BARRE LATERALE ET MARCHEPIED RETRACTABLE DESTINE A UN VEHICULE SURELEVE</b>  [72] SMITH, ANTHONY NICHOLAS, US  [72] BAJZA, ERIC CHARLES, US  [72] BIBB, WILLIAM FRANKLIN, VI, US  [71] LUND MOTION PRODUCTS, INC., US  [22] 2016-06-01  [41] 2016-12-05  [62] 2,931,880  [30] US (62/171,780) 2015-06-05  [30] US (14/846,433) 2015-09-04</p>	<p style="text-align: right;">[21] <b>3,216,281</b> [13] A1</p> <p>[25] EN  <b>[54] ROTATABLE PLAY DEVICE</b>  <b>[54] DISPOSITIF DE JEU ROTATIF</b>  [72] NORQUIST, THOMAS ROBERT, US  [72] BLACKWOOD, KIM CORVIN, US  [71] PLAYCORE WISCONSIN, INC., US  [22] 2017-10-04  [41] 2018-04-11  [62] 2,981,411  [30] US (62/406,791) 2016-10-11  [30] US (15/363,820) 2016-11-29</p>	<p style="text-align: right;">[21] <b>3,216,297</b> [13] A1</p> <p>[51] Int.Cl. A41D 27/10 (2006.01) A41B 7/00 (2006.01)</p> <p>[25] EN  <b>[54] LAYERED THUMBHOLE STRUCTURE</b>  <b>[54] STRUCTURE EN COUCHES DE TROU POUR LE POUCE</b>  [72] HORNER, STEWART D., US  [72] KOSHKAROFF, IUSTINIA, US  [72] NORDSTROM, MATTHEW D., US  [71] NIKE INNOVATE C.V., US  [22] 2016-02-18  [41] 2016-08-25  [62] 2,989,401  [30] US (62/118,288) 2015-02-19  [30] US (62/242,760) 2015-10-16  [30] US (15/045,465) 2016-02-17</p>

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

<p style="text-align: right;">[21] 3,216,345 [13] A1</p> <p>[25] EN  <b>[54] SYSTEMS AND METHODS FOR CHROMATOGRAPHY USE AND REGENERATION</b>  <b>[54] SYSTEMES ET PROCEDES D'UTILISATION ET DE REGENERATION DE CHROMATOGRAPHIE</b>  [72] STAIRS, ROBERT, US  [72] REILLY, JAMES, US  [72] MATTILA, JOHN, US  [72] WADSWORTH, SAMANTHA, US  [71] REGENERON PHARMACEUTICALS, INC., US  [22] 2020-09-23  [41] 2021-04-01  [62] 3,150,234  [30] US (62/905,033) 2019-09-24  [30] US (62/958,899) 2020-01-09</p>	<p style="text-align: right;">[21] 3,216,352 [13] A1</p> <p>[51] Int.Cl. B65G 1/137 (2006.01) B65G 1/12 (2006.01) B65G 15/02 (2006.01) B65G 15/24 (2006.01) B65G 47/56 (2006.01)  [25] EN  <b>[54] COORDINATED CONVEYERS IN AN AUTOMATED SYSTEM</b>  <b>[54] CONVOYEURS COORDONNES DANS UN SYSTEME AUTOMATISE</b>  [72] GORMAN, JOHN G., US  [71] TEAM CONVEYER INTELLECTUAL PROPERTIES, LLC, US  [22] 2020-03-19  [41] 2020-10-15  [62] 3,136,609  [30] US (62/832,701) 2019-04-11  [30] US (62/898,414) 2019-09-10</p>	<p style="text-align: right;">[21] 3,216,368 [13] A1</p> <p>[51] Int.Cl. F24C 14/00 (2006.01) A21B 1/44 (2006.01) A21B 3/00 (2006.01) A21B 3/16 (2006.01) B08B 9/093 (2006.01) F24C 15/00 (2006.01)  [25] EN  <b>[54] ROTISSERIE OVEN WITH IMPROVED TRAP SYSTEM</b>  <b>[54] ROTISSOIRE-FOUR DOTE D'UN SYSTEME DE PIEGE AMELIORE</b>  [72] CUKJATI, DEBORAH, US  [72] STOLLENWERK, THOMAS, US  [72] DEMARAIIS, NICHOLAS, US  [72] BUFORD, JEREMY, US  [72] KLUMP, LESLIE, US  [72] DIDUR, JOSHUA, US  [72] KULAKOWSKI, JOSEPH, US  [72] WHALEN, THOMAS, US  [72] TISCHENDORF, ANDY, US  [71] ALTO-SHAAM, INC., US  [22] 2018-02-06  [41] 2018-08-16  [62] 3,052,633  [30] US (62/455,891) 2017-02-07</p>
<p style="text-align: right;">[21] 3,216,351 [13] A1</p> <p>[51] Int.Cl. A24F 40/465 (2020.01) A24F 40/20 (2020.01) A24F 40/90 (2020.01)  [25] EN  <b>[54] AEROSOL GENERATING SYSTEM AND METHOD OF OPERATING THE SAME</b>  <b>[54] SYSTEME GENERANT DES AEROSOLS ET SON MODE DE FONCTIONNEMENT</b>  [72] LEE, SEUNG WON, KR  [72] YOON, SUNG WOOK, KR  [72] PARK, SANG KYU, KR  [72] LEE, JONG SUB, KR  [71] KT&amp;G CORPORATION, KR  [22] 2020-01-15  [41] 2020-07-23  [62] 3,100,998  [30] KR (10-2019-0005229) 2019-01-15  [30] KR (10-2019-0082228) 2019-07-08</p>	<p style="text-align: right;">[21] 3,216,356 [13] A1</p> <p>[25] EN  <b>[54] SYSTEMS AND METHODS FOR MONITORING THE ROLL DIAMETER AND SHOCK LOADS IN A MILLING APPARATUS</b>  <b>[54] SYSTEMES ET METHODES DE SURVEILLANCE DU DIAMETRE DE BOBINE ET DES CHARGES DE CHOC DANS UN APPAREIL DE BROYAGE</b>  [72] TRACY, JOSHUA, US  [72] PEARSON, ALEX, US  [72] OLSON, ROY, US  [71] PEARSON INCORPORATED, US  [22] 2022-02-04  [41] 2023-08-04  [62] 3,147,915</p>	<p style="text-align: right;">[21] 3,216,449 [13] A1</p> <p>[25] EN  <b>[54] UNDERWATER SUBWOOFER AND CLUSTERS</b>  <b>[54] CAISSON DE BASSES IMMERGE ET GRAPPE</b>  [72] MOROZOV, ANDREY K., US  [71] TELEDYNE INSTRUMENTS, INC., US  [22] 2020-07-02  [41] 2021-01-02  [62] 3,085,257  [30] US (16/459,875) 2019-07-02</p>
		<p style="text-align: right;">[21] 3,216,476 [13] A1</p> <p>[25] EN  <b>[54] RAPID DISCHARGE DOOR LOCKING SYSTEM</b>  <b>[54] SYSTEME DE VERROUILLAGE DE PORTE DE DECHARGE RAPIDE</b>  [72] HARKEY, CHRISTOPHER C., US  [72] MCKISIC, AUBRA D., US  [72] HUCK, KENNETH W., US  [71] TRINITY RAIL GROUP, LLC, US  [22] 2018-06-13  [41] 2019-01-14  [62] 3,008,151  [30] US (15/650,091) 2017-07-14</p>

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

[21] 3,216,501	[21] 3,216,523	[21] 3,216,574
[13] A1	[13] A1	[13] A1
[25] EN	[25] EN	[25] EN
[54] COMPOSITIONS AND METHODS FOR ALTERING SECOND MESSENGER SIGNALING	[54] MULTI-FACTOR ROUTING SYSTEM FOR EXCHANGING BUSINESS TRANSACTIONS	[54] RECREATIONAL VEHICLE INTERACTIVE TELEMETRY, MAPPING, AND TRIP PLANNING SYSTEM
[54] COMPOSITIONS ET PROCEDES POUR ALTERER LA SIGNALISATION PAR UN SECOND MESSAGER	[54] SYSTEME DE ROUTAGE A FACTEURS MULTIPLES POUR ECHANGER DES TRANSACTIONS COMMERCIALES	[54] SYSTEME DE PLANIFICATION DE TRAJET, CARTOGRAPHIE ET TELEMESURE INTERACTIVE DE VEHICULE DE LOISIRS
[72] PATEL, DINSHAW J., US	[72] COCHRAN, STEVE, US	[72] THARALDSON, JOSEPH D., US
[72] TUSCHL, THOMAS, US	[72] EL-SEBAALY, HATEM, US	[72] KOENIG, DAVID J., US
[72] ASCANO, MANUEL, US	[72] DE CALIGNON, MARTIN BRAURE, US	[72] KOOSMANN, ADAM C., US
[72] WU, YANG, US	[72] SCHANKER, DAVE, US	[72] WOLF, CHRISTOPHER G., US
[72] LIU, YIZHOU, US	[72] LI, HESHENG, US	[72] FISHER, WILLIAM C., US
[72] BARCHET, WINFRIED, DE	[71] GLOBAL HEALTHCARE EXCHANGE, LLC, US	[72] WECKERT, KIM A., US
[72] HARTMANN, GUNTHER, DE	[22] 2017-10-11	[72] CALLAHAN, JOHN W., US
[72] ZILLINGER, THOMAS, DE	[41] 2018-06-21	[72] HERMAN, DAREN W., US
[72] JONES, ROGER, US	[62] 3,087,223	[72] FROSTAD, TODD L., US
[72] GAFFNEY, BARBARA L., US	[30] US (15/377,827) 2016-12-13	[72] GUSTAFSON, GARY L., US
[72] GAO, PU, US		[72] CRAIN, STEPHEN G., US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US		[72] OAKDEN-GRAUS, JONATHON P., US
[71] THE ROCKEFELLER UNIVERSITY, US		[71] POLARIS INDUSTRIES INC., US
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US		[22] 2014-02-26
[71] UNIVERSITY OF BONN, DE		[41] 2014-09-04
[22] 2014-04-29		[62] 2,897,966
[41] 2014-11-06		[30] US (61/769,378) 2013-02-26
[62] 2,908,154		[30] US (61/926,013) 2014-01-10
[30] US (61/817,269) 2013-04-29		
[30] US (61/819,369) 2013-05-03		
<hr/>	<hr/>	<hr/>
[21] 3,216,521	[21] 3,216,566	
[13] A1	[13] A1	
[25] EN	[25] EN	
[54] RAPIDLY COOLING COMPOSITE MATS COMPRISED OF CELLULOSE AND THERMOPLASTIC POLYMER AFTER HOT-PRESSING	[54] OUTCOUPLING GRATING FOR AUGMENTED REALITY SYSTEM	
[54] TAPIS COMPOSITES A REFROIDISSEMENT RAPIDE COMPOSES DE CELLULOSE ET DE POLYMERÉ THERMOPLASTIQUE APRES UN PRESSAGE A CHAUD	[54] RESEAU DE DE COUPLAGE EN SORTIE POUR SYSTEME DE REALITE AUGMENTEE	
[72] WINTEROWD, JACK G., US	[72] TEKOLSTE, ROBERT D., US	
[72] SPENCER, MATTHEW, US	[72] LIU, VICTOR K., US	
[72] SUPUT, MARKO, US	[71] MAGIC LEAP, INC., US	
[71] CONTINUUS MATERIALS INTELLECTUAL PROPERTY, LLC, US	[22] 2017-10-25	
	[41] 2018-05-03	
	[62] 3,039,108	
	[30] US (62/413,288) 2016-10-26	

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

<p style="text-align: right;"><b>[21] 3,216,595</b> [13] A1</p> <p>[25] EN  <b>[54] COMPLEMENT COMPONENT C5 IRNA COMPOSITIONS AND METHODS OF USE THEREOF</b>  <b>[54] COMPOSITIONS D'ARNI DU CONSTITUANT C5 DU COMPLEMENT ET LEURS PROCEDES D'UTILISATION</b>  [72] FITZGERALD, KEVIN, US  [72] BUTLER, JAMES, US  [72] BETTENCOURT, BRIAN, US  [72] BORODOVSKY, ANNA, US  [72] KUCHIMANCHI, SATYANARAYANA, US  [72] CHARISSE, KLAUS, US  [72] MANOHARAN, MUTHIAH, US  [72] MAIER, MARTIN, US  [72] RAJEEV, KALLANTHOTTATHIL G., US  [72] FOSTER, DONALD, US  <b>[71] ALNYLAM PHARMACEUTICALS INC., US</b>  [22] 2014-03-13  [41] 2014-10-02  [62] 2,904,654  [30] US (61/782,531) 2013-03-14  [30] US (61/837,399) 2013-06-20  [30] US (61/904,579) 2013-11-15  [30] US (61/912,777) 2013-12-06  [30] US (61/942,367) 2014-02-20</p>	<p style="text-align: right;"><b>[21] 3,216,654</b> [13] A1</p> <p>[25] EN  <b>[54] SPREADSHEET-BASED SOFTWARE APPLICATION DEVELOPMENT</b>  <b>[54] DEVELOPPEMENT D'APPLICATIONS LOGICIELLES A BASE DE TABLEURS</b>  [72] STACHURA, THOMAS, CA  [71] STACHURA, THOMAS, CA  [22] 2018-12-03  [41] 2019-06-06  [62] 3,084,152  [30] US (15/829,979) 2017-12-03</p>	<p style="text-align: right;"><b>[21] 3,216,692</b> [13] A1</p> <p>[25] EN  <b>[54] ADAPTIVE PROCESSING WITH MULTIPLE MEDIA PROCESSING NODES</b>  <b>[54] TRAITEMENT ADAPTATIF EN RAPPORT AVEC UNE PLURALITE DE NOEUDS DE TRAITEMENT DE DONNEES MULTIMEDIAS</b>  [72] RIEDMILLER, JEFFREY, US  [72] RADHAKRISHNAN, REGUNATHAN, US  [72] PRIBADI, MARVIN, US  [72] FARAHANI, FARHAD, US  [72] SMITHERS, MICHAEL, AU  <b>[71] DOLBY LABORATORIES LICENSING CORPORATION, US</b>  [22] 2011-12-01  [41] 2012-06-07  [62] 2,998,405  [30] US (61/419747) 2010-12-03  [30] US (61/558286) 2011-11-10</p>
<p style="text-align: right;"><b>[21] 3,216,609</b> [13] A1</p> <p>[51] Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6869 (2018.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01) C40B 70/00 (2006.01)</p> <p>[25] EN  <b>[54] MICROCAPSULE COMPOSITIONS AND METHODS</b>  <b>[54] COMPOSITIONS DE MICROCAPSULE ET PROCEDES</b>  [72] HINDSON, BENJAMIN, US  [72] SAXONOV, SERGE, US  [71] 10X GENOMICS, INC., US  [22] 2013-08-13  [41] 2014-02-20  [62] 2,881,685  [30] US (61/683,192) 2012-08-14  [30] US (61/737,374) 2012-12-14  [30] US (61/762,435) 2013-02-08  [30] US (61/800,223) 2013-03-15  [30] US (61/840,403) 2013-06-27  [30] US (61/844,804) 2013-07-10</p>	<p style="text-align: right;"><b>[21] 3,216,668</b> [13] A1</p> <p>[51] Int.Cl. C12N 5/10 (2006.01) A23K 10/30 (2016.01) A23K 20/158 (2016.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/04 (2018.01) A01H 5/12 (2018.01) C11B 1/10 (2006.01) C11C 3/00 (2006.01) C12N 1/13 (2006.01) C12N 15/10 (2006.01) C12N 15/29 (2006.01) C12N 15/52 (2006.01) C12N 15/53 (2006.01) C12N 15/54 (2006.01) C12N 15/55 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01)</p> <p>[25] EN  <b>[54] PROCESSES FOR PRODUCING INDUSTRIAL PRODUCTS FROM PLANT LIPIDS</b>  <b>[54] PROCEDES DE PRODUCTION DE PRODUITS INDUSTRIELS A PARTIR DE LIPIDES VEGETAUX</b></p>	<p style="text-align: right;"><b>[21] 3,216,701</b> [13] A1</p> <p>[51] Int.Cl. A61K 31/7068 (2006.01) A61K 31/136 (2006.01) A61K 31/444 (2006.01) A61K 31/704 (2006.01) A61K 31/7048 (2006.01) A61P 35/02 (2006.01)</p> <p>[25] EN  <b>[54] COMBINATION THERAPY FOR TREATING MALIGNANCIES</b>  <b>[54] POLYTHERAPIE POUR LE TRAITEMENT DE MALIGNITES</b></p>

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

<p style="text-align: right;">[21] <b>3,216,726</b> [13] A1</p> <p>[25] EN  <b>[54] IL-15-BASED FUSIONS TO IL-12 AND IL-18</b>  <b>[54] PROTEINES DE FUSION A BASE D'IL-15 SPECIFIQUE A IL-12 ET IL-18</b>  [72] MARCUS, WARREN D., US  [72] NEWMAN, ROBERT, US  [72] LIU, BAI, US  [72] YOU, LIJING, US  [72] KONG, LIN, US  [72] RHODE, PETER, US  [72] WONG, HING C., US  [71] ALTOR BIOSCIENCE CORPORATION, US  [22] 2018-03-06  [41] 2018-09-13  [62] 3,055,318  [30] US (62/467,623) 2017-03-06</p>	<p style="text-align: right;">[21] <b>3,216,847</b> [13] A1</p> <p>[25] EN  <b>[54] WEED SEED DESTRUCTION</b>  <b>[54] DESTRUCTION DE GRAINES DE MAUVAISES HERBES</b>  [72] MAYERLE, DEAN, CA  [72] GREENWALD, BRAYDON, CA  [71] TRITANA INTELLECTUAL PROPERTY LTD., CA  [22] 2019-09-18  [41] 2020-04-09  [62] 3,112,156  [30] US (62/741,241) 2018-10-04  [30] US (62/818,411) 2019-03-14</p>	<p style="text-align: right;">[21] <b>3,216,856</b> [13] A1</p> <p>[25] EN  <b>[54] SYSTEMS AND METHODS FOR SMART SPACES</b>  <b>[54] SYSTEMES ET PROCÉDES POUR ESPACES INTELLIGENTS</b>  [72] FUNES, LUCAS MARCELO, US  [71] WEBEE CORPORATION, US  [22] 2015-11-12  [41] 2016-05-19  [62] 2,967,364  [30] US (62/078,337) 2014-11-11</p>
<p style="text-align: right;">[21] <b>3,216,737</b> [13] A1</p> <p>[25] EN  <b>[54] END BRACKETS</b>  <b>[54] SUPPORTS D'EXTREMITE</b>  [72] MARSHALL, DALE R., CA  [71] FALKBUILT LTD., CA  [22] 2022-02-04  [41] 2023-08-04  [62] 3,147,951</p>	<p style="text-align: right;">[21] <b>3,216,850</b> [13] A1</p> <p>[25] EN  <b>[54] HIGH DOPPLER CHANNEL PERFORMANCE ENHANCEMENT</b>  <b>[54] AMELIORATION DE PERFORMANCES DE CANAL DOPPLER ELEVEES</b>  [72] SUN, JING, US  [72] YOO, TAESANG, US  [72] LUO, TAO, US  [71] QUALCOMM INCORPORATED, US  [22] 2017-03-17  [41] 2017-10-26  [62] 3,017,364  [30] US (62/325,946) 2016-04-21  [30] US (15/461,368) 2017-03-16</p>	<p style="text-align: right;">[21] <b>3,216,869</b> [13] A1</p> <p>[51] Int.Cl. B08B 9/032 (2006.01) B08B 3/02 (2006.01) B08B 13/00 (2006.01)</p> <p>[25] EN  <b>[54] FLEXIBLE CLEANING LANCE POSITIONER GUIDE APPARATUS</b>  <b>[54] APPAREIL DE GUIDAGE DE DISPOSITIF DE POSITIONNEMENT DE LANCE DE NETTOYAGE FLEXIBLE</b>  [72] ZINK, GERALD P., US  [71] STONEAGE, INC., US  [22] 2015-10-02  [41] 2016-04-14  [62] 2,961,768  [30] US (62/060,162) 2014-10-06  [30] US (62/120,691) 2015-02-25</p>
<p style="text-align: right;">[21] <b>3,216,740</b> [13] A1</p> <p>[25] EN  <b>[54] DELIVERY SYSTEM FOR PROSTHETIC HEART VALVE</b>  <b>[54] SYSTEME DE POSE DE VALVULE CARDIAQUE PROTHETIQUE</b>  [72] PASSMAN, JOSEPH ARTHUR, US  [72] THAI, LINDA, US  [72] MURAD, MICHAEL, US  [71] EDWARDS LIFESCIENCES CORPORATION, US  [22] 2017-03-24  [41] 2017-09-28  [62] 3,016,513  [30] US (62/312,757) 2016-03-24</p>	<p style="text-align: right;">[21] <b>3,216,855</b> [13] A1</p> <p>[51] Int.Cl. G01N 1/38 (2006.01)</p> <p>[25] EN  <b>[54] SYSTEMS AND METHODS FOR DETECTION AND QUANTIFICATION OF ANALYTES</b>  <b>[54]</b>  [72] KHATTAK, AYUB, US  [72] SEVER, CLINTON, US  [71] CUE HEALTH INC., US  [22] 2014-03-11  [41] 2014-10-09  [62] 3,160,098  [30] US (61/776,254) 2013-03-11</p>	<p style="text-align: right;">[21] <b>3,216,879</b> [13] A1</p> <p>[25] EN  <b>[54] NOVEL INSECT INHIBITORY PROTEINS</b>  <b>[54] NOUVELLES PROTEINES INHIBITRICES D'INSECTES</b>  [72] BEAN, GREGORY J., US  [72] BOWEN, DAVID J., US  [72] CHAY, CATHERINE A., US  [72] HOWE, ARLENE R., US  [72] MILLIGAN, JASON S., US  [72] YIN, YOUNG, US  [71] MONSANTO TECHNOLOGY LLC, US  [22] 2015-11-18  [41] 2016-05-26  [62] 2,968,235  [30] US (62/082,504) 2014-11-20</p>

# Index of Canadian Patents Issued

November 7, 2023

## Index des brevets canadiens délivrés

7 novembre 2023

10353744 CANADA LTD.	3,055,847	ALNYLAM	ATOMIC ENERGY OF
10353744 CANADA LTD.	3,058,591	PHARMACEUTICALS, INC.	CANADA LIMITED / ENERGIE ATOMIQUE DU
10353744 CANADA LTD.	3,131,954		CANADA LIMITEE
10353744 CANADA LTD.	3,141,599	ALTAMIRANO PAEZ, LUIS ENRIQUE	3,005,688
1137508 ON LTD.	2,917,892	ALTSHULER, GREGORY	3,149,912
1824930 ALBERTA LTD	2,957,586	AMANN, VAUGHN G.	3,133,056
2603701 ONTARIO INC.	2,816,137	AMEND, JOHN RICHARD, JR.	3,183,392
3M INNOVATIVE PROPERTIES COMPANY	2,952,942	AMGEN INC.	2,980,084
ABB SCHWEIZ AG	3,119,637	AMIDEI, ANTHONY	AUTOMOTIVE COALITION FOR TRAFFIC SAFETY, INC.
ABBOTT, MURRAY	3,007,192	AMPHENOL	3,010,352
ABE, KAZUHIRO	3,075,400	THERMOMETRICS, INC.	AUTOTECH ENGINEERING, S.L.
ABIVEN, JEAN-GUILAUME	2,979,424	AMPSOURCE BIOPHARMA	3,116,839
ABK BIOMEDICAL INC.	2,968,129	SHANGHAI INC.	2,996,489
ABRAHAM, ROBERT JOSEPH	2,968,129	AMRINE, JAMES M., JR.	2,983,791
ABURAKAWA, MASAHIRO	3,030,278	ANCHOR RING SOLUTIONS, LLC	3,143,094
ACCENTURE GLOBAL SOLUTIONS LIMITED	3,130,866	ANDERSEN, RAYMOND	AXCESO BIOPHARMA CO.,LTD.
ACKERSON, DAVID SCOTT	3,018,604	ANDERSON, RONNIE	3,145,661
ACTUATED MEDICAL, INC.	2,999,060	ANDREEVA, VIKTORIYA	AXSOME THERAPEUTICS, INC.
ADAB, SHEKAIB	2,957,586	ANELLOTECH, INC.	3,128,940
ADDINGTON, RICHARD	3,006,475	ANGIBAUD, PATRICK RENE	AYOUBI, MICHAEL
ADIGE S.P.A.	2,989,097	ANTONIOU, ALEXANDROS AOKI, KATSUSHI	BADZINSKI, DAVID J. BAE SYSTEMS HAGGLUNDS AKTIEBOLAG
AFTON CHEMICAL CORPORATION	3,163,590	AQUA-LEISURE RECREATION, LLC.	BAE, JUNGUK BAGHEL, SUDHIR KUMAR
AGEX THERAPEUTICS, INC.	2,882,028	ARALEZ PHARMACEUTICALS CANADA INC.	3,008,125
AGRAWI, AHMED ADNAN	3,033,397	ARBAB, ALIREZA	BAGWELL, ROGER B.
AGREDA NAVAJAS, JUAN CARLOS	3,053,059	ARCELORMITTAL	BAKER HUGHES ESP, INC.
AHDOOT, BENJAMIN	2,929,141	ARCELORMITTAL	2,998,137
AHDOOT, ELIOT	2,929,141	ARDITO, LAUREN	BAKER HUGHES HOLDINGS LLC
AHDOOT, SIMON	2,929,141	ARENA PHARMACEUTICALS, INC.	3,133,286
AHEARN, KEVIN	3,096,656	ARMENOFF, CLAIRE	BAKER HUGHES HOLDINGS LLC
AIRBUS OPERATIONS S.L.	2,976,498	ARNOLD, WILLIAM K.	3,005,596
AKDIM, MOHAMED REDA	3,052,083	ARONSON, ANDREW	BAKER HUGHES HOLDINGS LLC
AKHTARI, MASSOUD	3,058,702	ARRAY BIOPHARMA, INC.	3,108,707
AKSELMAN, YIGAL	3,169,020	ARRIGO, ALISHA B.	BAKER HUGHES OILFIELD OPERATIONS LLC
AKZO NOBEL CHEMICALS INTERNATIONAL B.V.	3,016,794	ARRIS ENTERPRISES LLC	3,132,869
AKZO NOBEL CHEMICALS INTERNATIONAL B.V.	3,027,719	ARTIUCH, ROMAN LEON	BAKER HUGHES OILFIELD OPERATIONS LLC
AKZO NOBEL CHEMICALS INTERNATIONAL B.V.	3,046,326	ARVINAS OPERATIONS, INC.	3,149,217
ALANTUM EUROPE GMBH	3,051,722	ASCEND PERFORMANCE	BAKER, GRANT QUINN
ALBERT, TOBIAS	3,150,675	MATERIALS	BAKER, JASON M.
ALCON INC.	2,993,416	OPERATIONS LLC	3,133,009
ALDHAHER, SAMER	3,023,069	ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS	BALAN, MIHAI M.
ALFA LAVAL CORPORATE AB	3,121,227	ASTERJADHI, ALFRED	BALKOS, ATHANASIOS TOMMY
ALLEGRETTI, C. JOHN	2,945,454	ASTI, ANTONIO	BALL, JARON L.
ALLELY, CHRISTIAN	3,156,473	ASTOLFI, ILARIA	BANKS AND ACQUIRERS INTERNATIONAL
ALLEMANN, RUDOLF KONRAD	2,972,557	ATAMANCHUK, BOHDAN	HOLDING
ALLEN, THOMAS	3,096,656	ATELIERS BUSCH SA	BAOSHAN IRON & STEEL CO., LTD.
ALMALKI, NAZIH	2,941,307	ATLAS ELEKTRONIK GMBH	3,149,832
		ATOLAGBE, TIMOTHY	BARANZKE, MATTHIAS 3,137,784

**Index des brevets canadiens délivrés**  
**7 novembre 2023**

BARENBOYM, MICHAEL	3,126,837	BIGZ TECH	2,929,141	BUDAGHER, MICHAEL	2,974,677
BARG, ULRICH	3,125,398	BIOCCO, SIMONE	2,963,663	BUENAVENTURA, ORVILLE	3,122,478
BARJOH PTY LTD	3,009,526	BIOCER ENTWICKLUNGS-		BURTON, GRAHAM W.	2,983,791
BARNES, JEFFERY R.	3,016,478	GMBH	3,023,424	BUSCONI, BRIAN D.	2,906,140
BARNES, PRESTON	2,969,712	BIRKETT, MICHAEL		CADIX, ARNAUD	2,980,510
BARRETT, STEPHEN JOHN	2,995,311	ALEXANDER	2,972,557	CAI, ZHIJUN	2,902,449
BARROS, ANDRE MARTIM	3,135,389	BIS, TOMASZ	2,935,975	CALCATERRA, FARRELL F.	2,995,765
BARTBERGER, MICHAEL DAVID	3,157,177	BISCHOFF, ETHAN R.	3,130,866	CALLAHAN, KEVIN S.	3,017,922
BARTON, RICHARD ATHOL	2,956,581	BIZUB, JEFFREY JACOB	2,924,930	CAMFIL AB	3,006,475
BARUSCHKA, LENNART	3,195,869	BLACKBERRY LIMITED	2,902,449	CAMPAGNA, MATTHEW	
BASF CORPORATION	3,007,674	BLACKBERRY LIMITED	2,941,307	JOHN	3,135,341
BATAL, IYAD	2,924,930	BLACKBERRY LIMITED	2,995,311	CAMPBELL, LOWELL B.	3,036,196
BAYLOR COLLEGE OF MEDICINE	2,999,060	BLACKBERRY LIMITED	3,025,058	CAMSO INC.	2,883,734
BEAMISH, BRIAN	2,996,708	BLANKENSHIP, CALVIN RONALD	3,135,341	CANEDE MARTINEZ, ANTONIO	3,086,389
BEANE, JOHN ANDREW	3,087,551	BLANKENSHIP, YUFEI WU		CANTIN, MAXIME	3,139,438
BECK, HILARY PLAKE	3,157,177	BLATTLER, WALTER A.	2,935,423	CAO, LIWEI	3,186,642
BECKER, GERHARD	2,903,611	BMIC LLC	3,165,074	CAPITAL ONE SERVICES, LLC	2,958,572
BECKER, STEPHEN	3,168,200	BNNT, LLC	2,985,795	CARAVAN INGREDIENTS INC.	3,020,641
BEIJING CENTURY TAL EDUCATION TECHNOLOGY CO., LTD.	3,194,051	BOBADILLA LARIOS, MANUEL ALFONSO	2,993,326	CARDER, GARY	3,018,569
BEIJING SURGERII ROBOTICS COMPANY LIMITED	3,118,940	BOCKUS, VALDAS	3,133,056	CARDOSO, MARIANA B T	3,135,389
BEIJING WEHAND-BIO PHARMACEUTICAL CO., LTD.		BOEHRINGER INGELHEIM VETMEDICA GMBH	2,896,293	CARLEY, JOSEPH C.	2,981,484
BELLGRAU, DONALD	2,774,326	BOLES, ECKHARD	2,965,385	CARLSSON, OLA	2,977,590
BELTRAN PAVEZ, CAROLINA	2,968,430	BONDIOLI, EDI	2,951,076	CARPENTIER, ALEXANDRE	3,017,916
BEN SALAH, IHSEN	3,003,308	BONEM, JOSEPH MERWYN	3,077,778	CARRANZA, ARTURO	3,163,590
BENDER, PAUL GERARD	3,059,353	BONS, ROSS C.	2,992,737	CARRYGENES	
BENDIX COMMERCIAL VEHICLE SYSTEMS LLC	2,982,342	BORLOZ, PAUL R.	2,964,553	BIOENGINEERING	2,975,526
BENNDORF, CONRAD	3,150,675	BOROWA-MAZGAJ, BARBARA		CASADO MONTERO, CARLOS	2,976,498
BENOIT, JEAN-PIERRE	3,111,861	BOROWICZ, CLIFFORD D.	2,980,084	CASCADE MAVERIK	
BENSON, PAUL	3,090,288	BORSARI, MAURIZIO	3,073,764	LACROSSE, LLC	2,925,957
BEPEX INTERNATIONAL, LLC.		BOTTs, JEFF BRADLEY	2,889,825	CATERPILLAR INC.	3,141,057
BERGMAN, ERIC D.	3,077,778	BOU HAMDAN, FARHAN	3,020,641	CAVA HEALTHCARE INC.	2,930,156
BERGMANN, FRANK	3,137,711	BOUCHARD FORTIN, NICOLAS	2,992,885	CELLI, SIMONE	2,963,663
BERKCAN, ERTUGRUL	3,108,931	BOUCHARD-FORTIN, NICOLAS		CENTRE HOSPITALIER UNIVERSITAIRE	
BERKSHIRE GREY OPERATING COMPANY, INC.	2,998,121	BOURN, JASON	3,012,640	D'ANGERS	3,111,861
BERLIN, MICHAEL	3,095,494	BOUTOUSSOV, DMITRI		CENTRE NATIONAL DE LA RECHERCHE	
BERTHELOT, DIDIER JEAN-CLAUDE		BOVET, LUCIEN	3,110,171	SCIENTIFIQUE - CNRS -	3,111,861
BERTORELLI, JOHN	2,999,818	BOWLES, MARK	3,090,288	CERCIELLO, VINCENZO	3,023,371
BES, BERNARD	3,029,763	BOYCHUK, RICHARD	3,126,837	CGENETECH (SUZHOU, CHINA) CO., LTD.	3,141,424
BETON, DIDIER	3,006,871	BOYD, WILLIAM	2,944,817	CHABROL, CLAUDE	3,008,526
BETTENCOURT, BRIAN	3,051,722	BOYD, DANIEL	2,968,129	CHAN, GURSHARAN SINGH	3,032,356
BEVIER, ALEX DEAN	2,948,381	BRACES ON DEMAND INC.	3,159,385	CHANG, HWAI WEN	2,935,423
BEYRER, NICHOLAS EDWARD	3,152,911	BRACHET - BOTINEAU, MARIE		CHAREST-FINN, MEAGHAN ANN	
BHARATE, SANDIP BIBISHAN	3,137,537	BRADLEY FIXTURES	3,111,861	CHARGEPOINT TECHNOLOGY LIMITED	2,874,269
BHARATE, SONALI SANDIP	3,004,534	CORPORATION	3,062,325	CHARISSE, KLAUS	2,956,581
BHE TURBOMACHINERY, LLC	3,004,534	BRANDL, MARTIN	3,129,297	CHASE, IAN THOMAS	2,948,381
BHOGAL, NIKHIL	3,041,098	BREWLOGIX LLC	2,929,131	CHATEL, ROBERT E.	2,941,751
BHUSHAN, SHASHI	3,137,537	BRIGGS, ROGER JAMES	2,933,985	CHEN, CHENG	3,018,569
BI, WENPING	3,004,534	BRISTOW, MICHAEL	2,581,086	CHEN, CHENG JUN	2,963,866
BIANCHINI, JAMIE	3,091,299	BRITANNIA ENGINEERING (ISLE OF MAN) LIMITED	2,983,180	CHEN, HUA	3,121,440
BIERER, JOHANN	3,134,514	BRON, CHRISTOPHE	3,022,359	CHEN, I-JU	3,008,125
	2,966,373	BROWN, ROWAN	2,998,194	CHEN, JIANLE	3,032,049
		BRULS, RUUD E. J.	3,127,712	CHEN, LARRY	3,106,468
		BRUNSON, NIC	2,936,433	CHEN, SHUHUI	3,139,428
		BUCHER, SEBASTIEN	2,989,983	CHEN, SI	3,141,424
		BUCKLEY, MICHAEL EOIN	3,135,341	CHEN, WANSHI	3,059,994
				CHEN, XIAOQI	3,047,147
					3,157,177

**Index of Canadian Patents Issued**  
**November 7, 2023**

CHEN, YI-CHUN	3,142,653	CORNU, JUDICAEL	3,121,079	DESPOTOPOULOU, MARINA	3,045,507
CHEN, YULIN	3,055,847	CORRIGAN, KEVIN		DEVENS, CLAUDE SCOTT	3,040,676
CHEN, ZHENGXIA	3,141,424	SYLVESTER	2,945,454	DIAB, CHARBEL	3,160,394
CHEPURNA, IRYNA	3,038,448	CORTEVA AGRISCIENCE LLC	3,007,628	DIMAR S.R.L. UNIPERSONALE	2,889,825
CHERIAN, GEORGE	3,016,627	CORTEZ SAN MARTIN,		DION, STEPHANE	3,012,640
CHERRY, CHRISTOPHER	3,020,693	MARCELO	2,968,430	DIPETRO, DEAN	2,816,137
CHEVRON PHILLIPS CHEMICAL COMPANY LP	3,156,000	COSTANZO, NICHOLAS A.	3,007,942	DIPETRO, JOSEPH	2,996,489
CHIASSON, BERNARD JOSEPH	3,161,004	COTTER, DANIEL J.	3,029,763	DLUZNESKI, PETER R.	3,045,507
CHIMENTI, PAUL	3,123,409	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	3,004,534	DO, HENRY	3,001,347
CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE	3,126,308	COVINGTON, ADRIEN	3,124,105	DOBER, FLORIAN	3,129,297
CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.	3,126,308	COX, ADAM	2,969,712	DONG, HAI'OU	2,916,750
CHO, JAMES	3,016,627	CREW, ANDREW P.	3,095,494	DONG, HANQING	3,095,494
CHOI, BYOUNGKWON	3,051,722	CREWS, CRAIG M.	3,095,494	DONG, WUJUN	3,132,454
CHOI, JAEYOUNG	3,136,455	CRNOGORAC-JURCEVIC, TATJANA	2,974,775	DONNELLY, PAUL STEPHEN	2,983,459
CHOI, JIN SOO	3,114,709	CROMPTON TECHNOLOGY GROUP LIMITED	2,941,751	DOOSAN FUEL CELL AMERICA, INC.	3,015,617
CHOI, MYEONG JUN	3,145,661	CROSS, GRAHAM HUGH	2,988,839	DOUCET, JIMMY RAY	3,020,641
CHOUSKY, CARY	3,052,863	CRUZ, MARIO A.	3,169,020	DOYA, YO	3,012,301
CHOYKE, PETER	2,954,463	CUCKSON, IAN	3,065,009	DRECHSEL, FELIX	2,980,217
CHRYSO	3,115,389	CUMBIE, MICHAEL	3,126,596	KONSTANTIN	3,125,808
CHRYSTYN, HENRY	2,969,460	CUMBIE, MICHAEL W.	3,126,053	DROPBOX, INC.	3,078,982
CHU, SHUANGJIE	3,149,832	CUMBIE, MICHAEL W.	3,126,131	DROUADAINE, YVES	3,152,048
CHUGAI SEIYAKU KABUSHIKI KAISHA	2,973,857	CUMBIE, MICHAEL W.	3,126,132	DU CAUZE DE NAZELLE, RENE	3,133,286
CHUGAI SEIYAKU KABUSHIKI KAISHA	3,115,615	CURRY, PETER	2,983,180	DUARTE AMARO CORREIA, MARTINHO	3,115,389
CHUNG, YONGSOO	3,018,569	CVETKOVIC, DENIS ROBIN	3,129,297	DUBAY, RICKY	2,874,269
CHUTE, WADE	2,957,586	CYSBIO APS	2,975,011	DUFFY, BRIAN	3,165,074
CIZERON, JOEL	2,975,743	CZAJKA, FRANCIS A.	3,116,519	DUGGAL, SUCHIA	2,975,743
CLARKE, JAMES	2,968,129	CZWALUK, ANDREAS	2,966,373	DUNN, KELLY	2,947,705
CLATANOFF, WILLIAM J.	3,031,349	DABNEY, PAUL	2,985,090	DUNN, WILLIAM	3,106,866
CLEAR, SUSANNAH C.	3,031,349	DACKO, CHRISTOPHER A.	3,144,412	DUPUIS, KARINE	2,979,424
CLEMENT, RYAN S.	2,999,060	DAELMAN, KATELIJNE	3,121,079	DUQUETTE, JASON	3,157,177
COASTAL INDUSTRIES, INC.	2,948,535	DAHILL, DREW A.	3,007,942	DUSHANE, STEVEN DAVID	2,967,030
COBB, PATRICK	2,948,535	DAINA, ANTOINE	3,017,048	DYBDAHL, BJORN	2,963,372
COBZARU, CRISTINEL	3,142,366	DAITO GIKEN, INC.	3,075,400	DYGERT, DOUGLAS MILES	2,993,617
COHEN, BENJAMIN	3,096,656	DALIAN SAFE TECHNOLOGY CO., LTD	3,186,642	E2METRIX INC.	3,003,308
COHN, WILLIAM E.	2,999,060	DALY, SUSAN	2,998,532	EAST CAROLINA UNIVERSITY	2,963,866
COLLETTE, MICHAEL	2,992,301	DANA-FARBER CANCER INSTITUTE, INC.	2,935,423	EATON CORPORATION	2,965,023
COLLINS, CHARLES	2,998,137	DAROSZEWSKI, JANUSZ	3,018,604	EATON INTELLIGENT POWER LIMITED	2,933,985
COLLUM, STEPHEN	3,046,807	DARR, MATTHEW RAIN	2,983,791	EATON INTELLIGENT POWER LIMITED	2,933,986
COLVILLE, NICHOLAS	2,925,957	DART CONTAINER CORPORATION	2,965,023	EATON INTELLIGENT POWER LIMITED	2,965,028
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	3,008,526	DAUGBJERG, CRISTIAN J.	3,119,679	EATON INTELLIGENT POWER LIMITED	3,100,031
CONLEY, KAREN	3,108,094	DAVIDSON, RYAN P.	3,121,079	EBERHARDT, ALEXANDRA	2,980,388
CONMED CORPORATION	3,112,109	DAVIES, STEPHEN	2,960,244	EBT, INC.	3,082,395
CONNOR, BRIAN J.	3,122,478	DAVIS, STEVEN C.	3,004,520	ECKROTH, KURT VON	2,933,985
CONNORS, RICHARD VICTOR	3,157,177	DAWSON-HAGGERTY, MICHAEL	3,096,656	ECKROTH, KURT VON	2,933,986
CONRAD, CALEB MARCHANT	3,149,217	DE GRASSE, SCOTT R.	2,937,262	ECOATM, LLC	3,087,551
CONSTELLIUM ISSOIRE	3,006,871	DE NIES, PETER	3,135,389	EDBAUER, MITCHELL S.	2,992,737
COOPER, TOMMY G.	2,954,176	DE THOMASIS, MARCO	3,122,892	EIBISCH, JAN	3,006,628
CORBEL, ERWAN	2,911,664	DECLUE, MICHAEL S.	3,160,394	EIKELENBERG, RALPH F. E.	3,121,079
COREY, COLIN JAMES	3,159,385	DEGELMAN INDUSTRIES LP	3,008,598	EINSTEIN INDUSTRIES, INC.	3,020,693
CORNING RESEARCH & DEVELOPMENT CORPORATION	3,031,349	DEIGNAN, JEFFREY	3,157,177	EKEROTH, JOHAN	3,046,326
		DELBRIDGE, EWAN E.	2,969,712	EKMAN-GUNN, EUEN T.	2,947,705
		DENG, JUANJUAN	3,106,382	EKSTEROWICZ, JOHN	3,157,177
		DENTSPLY DETREY GMBH	2,980,388	ELC MANAGEMENT LLC	3,192,835
		DESIRE, THIERRY	3,108,094		
		DESPAIN, STEVEN S.	2,983,396		

**Index des brevets canadiens délivrés**  
**7 novembre 2023**

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE	3,114,709	FORSYTH, KEVIN FORT, WILLIAM HARTMAN FOSTER, DONALD FOTOPOULOU, ELENI FOX, BRIAN MATTHEW FRANCIS, W. LOREN FRANKO, MICHAEL FRASER, DAVID A. FRASHER, JAMES FRAUNHOFER-	2,883,734 3,096,656 2,948,381 3,150,675 3,157,177 3,004,526 2,936,687 2,886,957 3,032,409	GEORGE, ESTWICK GERAUD, REMI GERRING, DOUGLAS GEYER, CHRISTOPHER GHIRELLI S.R.L. GHIRELLI, ALESSANDRO GIBEAU, ELIE GIESELER, HENNING GILBERT, ETIENNE GILBERT, FRIDA GIRAUD DU POYET, QUENTIN	3,123,014 2,998,780 3,114,167 3,096,656 3,126,800 3,126,800 3,152,048 2,903,611 3,012,640 3,156,473
ELL, TODD	2,956,752				
ELLEMENT, NATHAN	3,009,526				
ELSNER, OLIVER	2,980,388				
ELYSIUS LIMITED PARTNERSHIP	3,132,212				
EMODS TECHNOLOGY, L.L.C.	2,985,090				
ENERGY SOLUTIONS (US) LLC	2,980,510	GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	3,081,471	BENJAMIN GIROUARD, BRIAN GIULIANO, CLAUDIO GLASER, ROBERT P. GLENNON, KEVIN GLICKLICH, ALAN GLISAN, ROY A.	3,116,839 3,090,288 3,017,048 2,964,553 3,137,537 3,002,540 3,132,212
ENESCU, MIHAI	3,114,130	FRAUNHOFER-			
ENGINEERED ABRASIVES, INC.	2,946,415	GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.			
EOTECH, LLC	3,158,261	FRAUNHOFER-			
ESENALIEV, RINAT	2,954,176	GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN			
ETHICON, INC.	3,004,272	FREAM, DAVID WINTHROP	3,150,675	GLOBAL TEL*LINK CORPORATION	3,071,969
EURODIA INDUSTRIE	3,131,576	FREEMAN, GORDON JAMES	2,925,957	GLOBALTECH	
EVANS, MEGAN	3,146,352	FRENCH, JUSTIN A.	2,935,423	CORPORATION PTY LTD	2,993,874
EVERS, MARKUS	2,980,388	FRESENIUS MEDICAL CARE HOLDINGS, INC.	3,018,569	GOCHI GARCIA, IBON GOELTZ, JOHN	3,086,389 3,031,538
EVONIK OPERATIONS GMBH	3,055,237	FREY, GERHARD JOHANN	3,137,711	GOJO INDUSTRIES, INC.	3,020,732
EX MACHINA MEDICAL, LLC	2,999,060	FROMME, CHRISTOPHER	2,935,423	GOLDBERG, ISAAC	3,078,982
EXPRO PETROTECH AS	2,963,372	FU, JIASHENG	3,195,869	GONIN, ANNE	3,131,576
F. HOFFMANN-LA ROCHE AG	3,108,931	FU, YIDONG	3,108,823	GONZALEZ BUENROSTRO, ANA	
F.HOFFMANN-LA ROCHE AG	3,002,489	FU, ZICE	3,157,177	GONZALEZ LOPEZ DE TURISO, FELIX	3,157,177
FABER S.P.A.	2,963,663	FUGALLO, JOSEPH A.	3,098,356	GOODRICH ACTUATION SYSTEMS LIMITED	2,960,244
FACEY, CHRISTIAN	3,183,392	FULLER, ANTHONY M.	3,126,053	GOOGLE LLC	3,122,478
FAGINOLI, FRANCESCO	2,963,663	GABATHULER, REINHARD	3,126,131	GORDON, KEITH FORBES	2,958,641
FAHMY, MOHAMED G.	2,969,712	GADBERRY, JAMES	2,930,156	GOULET, REMI J.	3,108,094
FAIVELEY TRANSPORT ITALIA S.P.A.	2,922,508	FREDERIC	3,066,844	GPCP IP HOLDINGS LLC	2,992,737
FAN, LIJUN	2,916,750	GALASSI, RAFFAELE	2,963,663	GPCP IP HOLDINGS LLC	3,024,127
FAN, MEIFENG	3,115,420	GALBRAITH, STEPHEN L.	3,016,478	GRAM, HERMANN	3,156,905
FARINA, STEFANO	3,023,371	GALLAGHER, ERIC	3,133,056	GRAMICCI, GARY A.	3,007,674
FARNIE, STEVEN	2,977,769	GALPERIN, ANNA	3,160,394	GRAPHENE LABORATORIES INC.	3,138,653
FARQUHARSON, G. MARK	2,956,316	GALVAGNINI, PAOLO	2,989,097	GRASSO, JUSTIN DOMINIC	3,105,190
FARWICK, ALEXANDER	2,965,385	GAMBLIN, DENISE	3,046,807	GREEN, ALON	3,122,892
FASSIH, ALI	2,947,705	GAMBRO LUNDIA AB	2,977,590	GREEN, THOMAS B.	2,995,765
FEDERIGHI, ENRICO	3,126,997	GAO, SHIWEI	2,902,449	GREENE, AMY	2,975,526
FEI, YONGQIANG	3,095,944	GAO, YONGJUAN	3,059,994	GRENN, JOHN PATRICK	2,941,307
FELDBERG, SIMON	2,931,681	GAO, YUE	3,132,454	GRIBBLE, MICHAEL	
FENG, YONG	3,055,847	GARDNER, JAMES	3,126,596	WILLIAM, JR.	3,157,177
FENG, YU	3,132,454	GARDNER, JAMES M.	3,126,597	GRID WELL INC.	2,944,817
FENWICK, CRAIG	2,957,258	GARDNER, JAMES MICHAEL	3,126,053	GRIPMETAL LIMITED	2,967,911
FERGUSON, THOMAS BRUCE, JR.	2,963,866	GARDNER, JAMES MICHAEL	3,126,131	GROOME, CAMERON L.	2,983,791
FERNANDES, GARY	2,906,140	GAST, ROGER E.	3,126,132	GROSS, STEPHEN M.	2,962,273
FERRINGO, BRADLEY	2,941,307	GATES CORPORATION	3,126,913	GROUND TRANSPORTATION SYSTEMS CANADA INC.	3,122,892
FIELD, CHRISTOPHER TODD	2,980,217	GAUDREAU, KENNETH	3,007,628	GRUTZNER, ERNST ANDREAS	2,980,388
FIK, CHRISTOPH P.	2,980,388	LEONARD	3,114,167	GUERRERO, FELIX	2,945,454
FIREBOX OUTDOORS LLP	2,983,396	GAUFRETEAU, DELPHINE	3,160,394	GUERRERO, MARGARITO	2,945,454
FISCHER, RENE	2,975,545	GAVINI, NAVNEEN	3,132,444	GULATI, KAPIL	3,008,125
FISHER, BENJAMIN	3,157,177	GCX CORPORATION	3,132,914	GULATI, SUSHANT	3,105,190
FLAXMAN, ROBERT JOHN BONNER	3,042,563	GELARDI, PEPIN	3,134,733	GUO, LIZHAO	3,194,051
FLORES, JUAN CARLOS	2,946,298	GENEVANT SCIENCES GMBH	3,134,733	GUO, XUAN	2,965,023
FLSMIDTH A/S	3,133,406	GENG, YONG-JIAN	3,126,997	GUO, ZHIHENG	3,091,299
FLSMIDTH A/S	3,134,733	GENIUS, WOLFGANG			
FLUID QUIP TECHNOLOGIES, LLC	2,936,687	GENTILE, DAVID			
FMC SEPARATION SYSTEMS BV	3,052,083				
FOLEY, ADAM	3,046,807				
FORBES, JAMES WILFRED	2,935,975				

**Index of Canadian Patents Issued**  
**November 7, 2023**

GUPTA, ASHU	3,163,590	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	IAVORNIC, CLAUDIO M.	3,041,098
GUPTA, GAUTAM	3,078,982	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	IDEAL SANITARY WARE CO., LTD.	3,123,143
GUPTA, SAURAV V.	3,029,763	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	IGAWA, TOMOYUKI	3,115,615
GURU, SANTOSH KUMAR	3,004,534	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	ILLINOIS TOOL WORKS INC.	3,090,288
GUSTAFSSON, JAN OLOF	3,027,719	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	ILUMISYS, INC.	2,987,023
GUSTIN, DARIN JAMES H.E.F	3,157,177	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	IMPERIAL COLLEGE INNOVATIONS LIMITED	3,023,069
HAINES, JASON A.	2,989,983	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	INDORAMA VENTURES OXIDES LLC	2,998,194
HAKOLA, SAMI	2,992,737	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	INDUSTRY-UNIVERSITY COOPERATION	
HALLAWAY, DREXEL LEE	3,114,130	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	FOUNDATION KOREA	
HALM, REMY	3,139,428	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	AEROSPACE UNIVERSITY	3,114,709
HAMPSON, BENJAMIN LLOYD	3,002,489	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	INFINEUM INTERNATIONAL LIMITED	3,038,157
HAN, JIAN	2,938,997	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	INGRAM-TEDD, ANDREW JOHN	3,104,014
HAN, WON KYO	2,884,246	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	INNIO NORTH AMERICA HOLDING INC.	2,924,930
HANAN, JAY CLARKE	3,145,661	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	INSCAPE DATA, INC.	2,992,301
HANCHURAK, STEPHEN	2,918,903	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE)	3,111,861
HANCOCK, VIKTORIA	3,110,550	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	INSTITUTE FOR ENVIRONMENTAL HEALTH, INC.	3,059,933
HAND, RICHARD	2,977,590	HIBRI, NADI S.	INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF MEDICAL SCIENCE & PEKING UNION MEDICAL COLLEGE	3,132,454
HANTASH, BASIL M.	3,000,782	HIGH SIERRA TECHNOLOGIES, INC.	INTAGLIATA, JON D.	2,982,342
HARBAN, SCOTT ALAN	2,882,028	HILL, RAYMOND	INTEGRA LIFESCIENCES ENTERPRISES, LLLL	3,029,763
HARPER, GREGORY RICHARD	3,133,286	HILLER, RAYMOND J.	INTERNATIONAL PAPER COMPANY	3,152,911
HARRINGTON, ROSS DAVIS	2,973,277	HINKLE, GREGORY	IPG PHOTONICS CORPORATION	3,126,837
HARRIS, DEBORAH JAYNE	3,023,775	HIRAYAMA RYU	IREPertoire, INC.	2,884,246
HARRISON, CURTIS	3,038,448	HIRAYAMA, YUICHI	ISE, WOLFGANG	2,903,611
HARVIE, PIERROT	3,082,395	HIRSCH, ANTONIN	IVEY, JOHN	2,987,023
HARVILL, YOUNG	3,160,394	HODGE, STEPHEN L.	IYER, ARUN V.	2,896,293
HASHIMOTO, KAZUMA	2,995,414	HODGSON, JAMIE	JACOBS, ALEXANDER	3,023,424
HASTINGS, JEROME KENNETH	3,039,517	HOENG, JULIA	JACOBS, KENNETH MICHAEL	2,963,866
HAWKINS, JEREMY MICHAEL	2,933,985	HOFFARTH, BRIAN	JACOBSON, NATAN HAIM	3,022,147
HAYDU, JOSEPH	3,020,693	HOFFMANN, MICHAEL	JAGGA, ARUN VICTOR	2,973,277
HEADER, GREGORY A.	3,132,469	HOLE, DAVID PHILIP	JAKEL, NEAL	2,936,687
HEATH, ANTHONY	3,079,453	HOLLISTER INCORPORATED	JAMDADE, AKSHAY B.	3,100,031
HEATH, JULIE ANNE	3,158,261	HOLOGRAPHYX INC.	JANIAK, JOHN ANDRE	3,027,719
HEAVEN, MALCOLM	3,157,177	HONG, JUN	JANSSEN PHARMACEUTICA NV	2,999,818
HEDBLOM, THOMAS P.	3,112,109	HORN, GAVIN BERNARD	JAYAKAR, SUJAY	3,078,982
HEDLUND, KENNY	3,031,349	HORNGERGER, KEITH R.	JAYARAM, ROBIN	
HEIDENAU, FRANK	3,006,475	HOROWSKA, BARBARA	CHANDRAS	3,108,094
HELLHOLM, BJORN	3,023,424	HOSIDEN CORPORATION	JCM AMERICAN CORPORATION	3,130,328
HELSINN HEALTHCARE SA	2,998,144	HOUSTON, MICHAEL E., JR.	JEAN, MAURICE	2,931,571
HEM, CHRISTOPHER R.	3,017,048	HOWE, CHRISTOPHER	JEFFERIES, WILFRED A.	2,930,156
HEM, GREGORY L.	3,005,596	HOWELL, ALAN	JENSEN, KENNETH	3,065,425
HENDERSON, DAVID	3,005,596	HOWELL, REILLY	JEONG, HONG-SIL	2,977,948
HENDERSON, JASON JEFFREY	3,115,674	HSIEH, YIH-HUANG		
HENDRICKSON, ROBERT C.	2,937,651	HUANG, SHAO-LING		
HENDRIX, RON H. J.	2,987,623	HUANG, SHAO-LING		
HENEVELD, SCOTT	3,127,712	HUANG, XIN		
HENRY, JEROME A.	3,133,745	HUAWEI TECHNOLOGIES CO., LTD.		
HERLIHY, JAMES PATRICK	3,046,807	HUAWEI TECHNOLOGIES CO., LTD.		
HERNANZ MANRIQUE, JOSE ANGEL	2,999,060	HUAWEI TECHNOLOGIES CO., LTD.		
HERRING, RODNEY	2,976,498	HUAWEI TECHNOLOGIES CO., LTD.		
HERSHBERGER, STEVE	3,039,505	HUAWEI TECHNOLOGIES CO., LTD.		
HERTEL, ALEXANDER	2,929,131	HUBBELL INCORPORATED		
HERTEL, PHILIPP	2,949,543	HUCKABAY, RONALD J.		
HETRICH, MITCHELL H.	2,949,543	HUDEC, RADOSLAV		
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	3,048,877	HUFFMAN, JONATHAN		
	3,126,053	HUGHES, MICHAEL		
		FRANKLIN		
		HUTCHINSON, WESLEY		
		IACOB, CONSTANTIN		

**Index des brevets canadiens délivrés**  
**7 novembre 2023**

JESENSKY, DANIEL	3,102,352	KIM, JAE GON	3,114,709	KUTSCH, JOHN H.	3,116,519
JESME, RONALD D.	2,952,942	KIM, JIN WOONG	3,114,709	KWIK, JOHN	2,936,687
JFE STEEL CORPORATION	3,117,909	KIM, JONGKWANG	3,051,722	L'HERAULT, PATRICK	3,110,171
JIANG, SHENG	3,163,590	KIM, KYU HWAN	3,136,455	LA-Z-BOY INCORPORATED	3,133,009
JIAO, XIANYUN	3,157,177	KIM, KYUNG-JOONG	2,977,948	LAAROUSSI, MOHAMED	3,003,308
JOERGENSEN, STEEN TROELS	3,065,425	KIM, SUNGHAN	2,963,866	LACKOWSKI, VINCE	3,116,519
JOHANNES, ASHLEY MARIE	3,146,352	KIMBALL, GREGORY J.	3,077,778	LAI, JOHN	3,078,982
JOHANNESSEN, MARK	3,149,912	KIMBERLEY-CLARK		LAI, KUO-PAO	3,032,049
JOHNSON & JOHNSON CONSUMER INC.	2,947,705	WORLDWIDE, INC.	3,095,612	LAI, SUJEN	3,157,177
JOHNSON & JOHNSON CONSUMER INC.		KIMBERLY-CLARK		LALLEMAND HUNGARY	
JOHNSON, JEFFREY LEE	2,998,532	WORLDWIDE, INC.	3,168,200	LIQUIDITY	
JOHNSON, JEFFREY TROY	2,965,028	KIMPEX INC.	3,012,640	MANAGEMENT LLC	2,965,385
JOHNSON, LENAE VIRGINIA	2,933,985	KIMPEX INC.	3,110,171	LANDVIK, SARA MARIA	3,065,425
JOHNSON, LEONARD WILLIAM	3,138,220	KIMSEY-LIN, MELANIE L.	3,017,922	LANTSМАNN, NATAN	3,132,782
JOHNSON, MICHAEL	3,182,040	KIMURA, MAKIYA	3,127,775	LAPOINTE, CHRISTIAN	3,139,438
JOHNSON, RUSSELL N.	3,157,177	KING, JENNIFER EILEEN	3,096,656	LAPRAIS, ANNE-MAUD B.	2,952,942
JONES, MICHAEL D.	3,160,394	KIPKE, CARY A.	3,031,349	LARGETEAU, DENIS	3,131,576
JORDAN, DIANNA M. MURPHY	3,036,196	KIRCHNER, FERDINAND	2,965,385	LARSEN, CHRISTOPHER A.	3,133,009
JORDAN, KEVIN C.	2,896,293	KIRKEROD, TROND	2,963,372	LARSON, DONALD K.	3,031,349
JOSHI, RAJAN LAXMAN	2,985,795	KIRSTGEN, ELVIRA	3,058,963	LATTA, MARK A.	2,962,273
JOUSSEAUME, THIERRY FRANCOIS ALAIN JEAN	3,022,147	KITAZOE, MASATO	3,029,983	LAUB, GLENN W.	2,995,193
JUBB, ELMER CHARLES	2,999,818	KLAUS, GERALD	3,137,784	LAVERSIN, YANNICK	3,006,628
JUDS, MARK ALLAN	3,078,982	KLEBERGER HELLSTROM, ASA HELEN JEANETTE	3,046,326	LECLERC, JONATHAN F.	3,137,711
JUDS, MARK ALLAN	2,933,985	KLEGERMAN, MELVIN E.	3,132,444	LEE, CHAE KWANG	3,136,455
JUENGST, DERRICK	2,933,986	KLEGERMAN, MELVIN E.	3,132,914	LEE, HEECHOON	3,047,147
JUNG, THOMAS	2,967,951	KLEMANSKI, RICHARD S.	3,059,353	LEE, JANE JUNG	3,136,455
JX METALS CORPORATION	3,156,905	KLENNER, PETER	2,938,509	LEE, JEFFREY A.	3,024,127
KALUM, LISBETH	3,137,690	KMS PROJECTS LIMITED	3,123,014	LEE, JIN HO	3,114,709
KAM, MARIA MATILDE SANCHEZ	3,065,425	KNAUF INSULATION SPRL	3,000,782	LEE, JOHN JONG SUK	2,973,277
KAMAE, TOSHIYA	3,002,540	KNAUP, GUNTER	3,055,237	LEE, JUCHANG	3,136,455
KAMIKAWABATA MASAHITO	3,015,334	KOBAYASHI, HISATAKA	2,954,463	LEE, SANG YONG	3,114,709
KANERVO, JAANA	3,131,668	KOEPPEL, ADAM R.	2,958,572	LEE, WEI-HAN	3,032,049
KANGAS, KEVIN G.	3,137,511	KOLCZEWSKI, SABINE	3,002,489	LEFAVOUR, JOHN DAVID	3,060,408
KARA, MOHAMED TANVIR MOHAMEDRAZA	2,996,708	KOLECK, MARY P.	2,956,316	LEFFINGWELL, JOHN K.	3,018,604
KARUPPIAH, BALAJI	3,056,243	KOLENKO, DANIEL T.	3,056,243	LEGERE, SHARON	2,968,129
KARUPPUSAMY, JAYAKUMAR	3,105,190	KOLETSCHKA, THOMAS	3,096,656	LEGGE, MICHAEL	3,010,352
KASON INDUSTRIES, INC.	3,169,151	KOLVENBACH, ROBIN	3,096,656	LEHMANN, MARKUS	3,030,589
KAWALE, SRUSHTI	2,909,828	KOMATSU FOREST AB	3,051,722	LEKHTER, MARK	2,931,681
KAYSER, FRANK	3,100,031	KONOPA, JERZY KAZIMIERZ	3,027,844	LEMIEUX, ERIN-ANNE A.	3,029,763
KEELING, PETER	3,157,177	KOORAPATI, NIPUNN	2,980,084	LEMKE, JOST	3,098,519
KELLEY, TOMMIE WILSON	3,123,014	KOPECKY, DAVID JOHN	3,078,982	LENORMAND, REGIS	2,911,664
KELLY, DAMIAN	3,031,349	KOPIETZ, MICHAEL	3,157,177	LEONARDO S.P.A.	3,005,152
KEMPSTER, VINCENT PAUL	3,013,258	KOSIAREK, MARK	3,106,617	LESANKO, MICHAEL	3,110,550
KETELHOHN, ROBERT A.	2,976,585	KOSKELA, TIMO	3,292,131	LEVESQUE, JEAN-SIMON	3,012,640
KEYMEULEN, ANTOON	3,029,763	KOUDOUSSI, NICOLAS	3,114,130	LEVIN, DANIEL	2,931,681
KHANDEKAR, CHANDRASHEKHAR YESHWANT	3,121,079	KOUNO, KUNIHIRO	3,010,352	LEWIS, BARRY MICHAEL	2,985,259
KHUMSA-ANG, KITTIMA	3,132,585	KOUZNETSOV, ANDRIAN	2,998,780	LI, CHANG ZHI	3,121,440
KIHARA, KAISHUN	3,112,494	KOVAL, MICHAEL CAP	3,038,157	LI, DONG NIAN	3,121,440
KILLY, ROSEMONDE	3,116,455	KOVALENKO, ANASTASIYA	3,115,674	LI, GUOBAO	3,149,832
KIM, DEOK HOE	3,114,709	KRAMER, MARKUS	3,096,656	LI, JIAN	3,141,424
KIM, HUI YONG	3,132,444	KREMER, STEVE	3,126,837	LI, JIANG	2,947,925
KIM, HYUNGGUN	3,132,914	KRUEGER, MATTHEW J.	3,132,782	LI, LINGLING	3,066,844
KIM, HYUNGGUN		KUBAJAK, DAVID C.	2,929,131	LI, QIANG	3,059,994
		KUBELIK, IGOR	3,108,707	LI, WEN-HWA	2,947,705
		KUBOTA, KEIICHI	3,130,328	LI, YIHONG	3,157,177
		KUCHIMANCHI,	2,931,681	LI, ZHIHONG	3,157,177
		SATYANARAYANA	3,029,983	LI, ZIRUI	3,059,994
		KUMAR, VIKAS	2,948,381	LIANG, BENJAMIN	3,086,309
		KUNCHITHAPATHAM,	3,004,534	LIANG, ZHONGHONG	3,086,309
		KAMALAKUMARI	2,969,712	LIAO, HENGFENG	3,132,454
		KUNDU, GOUTAM	3,105,190	LICAMELE, LOUIS WILLIAM	2,978,736
		KURZYNISKI, DAVID J.	3,123,409	LIEBER, ANDRE	2,925,487
				LIFTING SOLUTIONS INC.	3,110,550
				LIGGETT, STEPHEN B.	2,581,086

**Index of Canadian Patents Issued**  
**November 7, 2023**

LIM, SUNG CHANG	3,114,709	MAISURIA, VIMAL BHARATBHAI	3,046,254	MEDLINE INDUSTRIES, LP	3,116,519
LIMOUSIN, VICTOR NICOLAS SIMON	3,116,839	MAITRA, PRITHWIRAJ	2,998,532	MEDOS INTERNATIONAL SARL	2,906,140
LIN, HAOMIN	3,201,949	MANANDHAR, PRAKASH	3,029,763	MEDRICKY, HYNEK	3,102,352
LIN, SHU-YI	3,032,049	MANN, RICHARD K.	3,007,628	MEEHAN, ANDREW J.	2,999,060
LINDBO, LARS SVERKER TURE	3,104,014	MANUFACTURING RESOURCES		MEERPOEL, LIEVEN MEH, DAVID	2,999,818 2,956,316
LINDEN, TORBJORN	2,977,590	INTERNATIONAL, INC.	3,106,866	MEHIO, NIZAR YOUSSEF	3,016,694
LINN, SCOTT	3,126,596	MAO, HUA	3,106,382	MEHTA, AGUSTYA	3,021,210
LINN, SCOTT A.	3,126,053	MARCHETTI, SIMONE	3,126,997	MEILLEUR, DANIEL	2,931,571
LINN, SCOTT A.	3,126,131	MARCHILDON, LOUIS-		MENCHACA LOBATO, ARTURO ERNESTO	
LINN, SCOTT A.	3,126,132	FREDERIC	3,110,171	MENDENHALL, TODD R.	3,139,982
LINN, SCOTT A.	3,126,597	MARGIOTT, PAUL	3,015,617	MENKHAUS, JULIE ANN	3,138,220
LIPPELT, ERIK	3,006,628	MARONEY, KYLE	3,096,656	MEREDITH, MATTHEW T.	2,998,194
LITTLEFIELD, JOSHUA K.	2,964,553	MARQUARDT, TERRY L.	3,062,325	MERLIN, SIMONE	3,016,627
LIU, JIWEN	3,157,177	MARRA, JOHN P.	3,098,356	MERZ, FRIEDHELM	3,055,237
LIU, LU	3,132,454	MARTIN, MICHAEL D.	3,119,637	MEURE, SAMUEL JAMES	3,065,009
LIU, WEI-HUAN	3,095,185	MARTINEZ, ISAIAH	3,096,359	MEYER, ARON	3,132,869
LIU, YULING	3,132,454	MARTINEZ, JOSE	3,137,537	MEYER, CHRISTOPHE	2,999,818
LIU, ZHIHUA	3,132,454	MARTINSON, BRIAN THOMAS	2,896,293	MEYER, MICHEL	3,132,212
LJUNGDAHL, GORAN THOMAS	3,046,326	MARZOUK, MAHMOUD M.	3,108,707	MEYERS, DEREK JAMES	2,981,484
LOCKHEED MARTIN ENERGY, LLC	3,031,538	MAS ROSIQUE, MARIA LUISA	3,086,389	MICHAEL, LACHLAN BRUCE	2,986,568
LOIBL, SIMON FERDINAND	3,108,931	MASON, MATTHEW T.	3,096,656	MICHELIASSI, VITTORIO	3,133,286
LOLLO, GIOVANNA	3,111,861	MASTERCARD INTERNATIONAL		MICHELI, CARLO	2,989,097
LOMBARDI, VINCENT C.	3,031,123	INCORPORATED	3,004,520	MICHLITSCH, JOHN	2,995,765
LONG, YI	3,091,299	MATARAZA, JENNIFER MARIE		MICROSOFT TECHNOLOGY LICENSING, LLC	3,021,210
LOPATEGI SANZ, UNAI	3,116,839	MATEUS, JEAN-MICHEL	2,935,423	MIHALIC, JEFFREY THOMAS	3,157,177
LOPES, LUIS	3,029,983	MATSUMOTO, SHUNSUKE	2,911,664	MIKAMI, SUSUMU	3,030,278
LOTHER, TROY	3,116,519	MATSUO, KATSUYUKI	3,038,157	MIKIO KASSUYA, ROBERTO	3,053,059
LOU, DEFU	2,917,892	MATT, NICOLE	3,129,369	MILLARD, MATTHEW	3,031,538
LOUGHNANE, COLM	3,133,056	MATTHEWS, BRETT	2,980,388	MILLARD, TIM	3,056,378
LOW, JONATHAN DANTE	3,157,177	ALEXANDER		MILLER, DAVID JAMES	2,972,557
LOWELL, JEFFREY S.	3,156,000	MATVEEVA, IRINA VICTOROVNA	2,924,930	MILLER, JOHN	3,087,551
LTS LOHMANN THERAPIE- SYSTEME AG	3,058,963	MAYER, MATT	3,065,425	MILSTEIN, STUART	2,948,381
LUCAS, BRIAN STUART	3,157,177	MAYNARD, ED	2,929,131	MILTON-EDWARDS, MARK	2,969,460
LUDELA TECHNOLOGIES LLC	3,134,514	MAYNE, DAVID J.	3,139,982	MINNETTE, JEFFERY C.	3,123,558
LUDVIGSEN, BENT	3,121,227	MAYNE, DONAL	2,987,623	MINTOO, MUBASHIR JAVED	3,004,534
LUKOFSKY, DAVID	3,021,210	MAYO, MICHAEL A.	3,013,258	MIPS AB	3,121,684
LUMMUS TECHNOLOGY LLC	2,975,743	MAZERSKA, ZOFIA	3,144,412	MIPS AB	3,124,197
LUNDY, DRAKE	3,096,359	MCCAFFREY, BRANDON H.	2,980,084	MISONIX, INCORPORATED	2,992,121
LUTIN, FLORENCE	3,131,576	MCCLUNG, MARK D.	3,141,057	MITCHESON, PAUL	3,023,069
LUTZKY, MANFRED	3,150,675	MCCOLLUM, GREGORY J.	3,133,009	MITRA, GEORGE	2,956,316
LYMAN, JEFFERSON	2,936,433	MCCORMICK, JAROD	3,144,412	MOHAMMED, HUSAM	2,977,590
MA, JUNGE	3,186,642	MCCUAIG, RONALD	2,975,743	MOHAMMED, SHABBER	3,004,534
MA, WEN	3,186,642	MCCUTCHEON, JAMES	3,015,205	MOLINA, ALBERTO	2,976,498
MA, XIANG	3,106,468	MCGEE, LAWRENCE	3,109,859	MONAHAN, SEAN D.	3,160,394
MA, ZHIHUA	3,157,177	MCGRATH, STEPHEN T.	3,157,177	MONDHE, DILIP MANIKRAO	3,004,534
MABQUEST SA	2,957,258	MCHALE, WILLIAM A.	2,996,708	MOORE, MARK W.	3,020,732
MACDONALD, DANIEL G.	3,008,148	MCINTOSH, JOEL	2,962,273	MOORE, STEPHEN	2,925,957
MACKELVIE, WINSTON	2,967,911	MCLEOD, JOHN	3,157,177	MORADI, VAHID	3,039,505
MACKIE, LAURIE ROBERT	2,917,892	MCMAHAN, WILLIAM CHU- HYON	3,169,020	MORETON, DAVID J.	2,969,712
MADSEN, BENT	3,121,227	MCPHERSON, DAVID D.	2,816,137	MORIKAWA, DAVID TARO	3,149,912
MAGIC LEAP, INC.	2,979,560	MCPHERSON, DAVID D.	3,096,656	MORIYAMA, CHIFUMI	3,115,615
MAGNA EXTERIORS INC.	3,166,971	MCPHERSON, JERRY L.	3,157,177	MORRISON, MARK S.	2,969,460
MAGNESIUM ELEKTRON LIMITED	3,038,448	MEAGHER, DONALD J.	3,132,914	MSA TECHNOLOGY, LLC	3,048,877
MAHAJAN, GIRISH	3,004,534	MEDELA HOLDING AG	3,132,444	MU, NAN	2,993,326
MAHLER, AXEL	3,006,475	MEDELA HOLDING AG	2,980,217	MUEHLENTHALER, CHRISTINE MARGARET	2,896,293
MAIER, MARTIN	2,948,381	MEDINA, JULIO CESAR	3,018,604	MULVIHILL, MAUREEN L.	2,999,060
MAILLET, OLIVIER	2,911,664		2,975,545	MUNDHADA, HEMANSHU	2,975,011
			3,157,177		

**Index des brevets canadiens délivrés**  
**7 novembre 2023**

MUNOZ DE LA TORRE	NUOVO PIGNONE	PENG, TAO	3,132,914
ALONSO, MIGUEL	TECNOLOGIE - S.R.L.	PENG, ZHIYONG	2,963,866
ANGEL	NYPRO INC.	PENNY, JUNIUS	3,021,210
MUNTHE, STEFAN	O'GARA, DARCY JOHN	PERKINS, EDWARD	2,975,526
MYA SARAY, LLC	O'NEAL, TIARA ELIZABETH	PESIK, JOSEPH T.	2,956,752
MYERSCOUGH, RICHARD	O'NEIL, MICHAEL DEVIN	PETERSEN, MEGAN MARIE	2,938,997
KERR	O'NEILL, MICHAEL	PETRACHEK, JOHN	2,947,925
MYUNG, SE-HO	OBENG-BOAKYE, WILFRID	PETROV, IRENE	2,954,176
NAMIKAWA, MISAO	OBERMEYER, HENRY K.	PETROV, YURIY	2,954,176
NARENDAR, YESHWANTH	OBI PHARMA, INC.	PHARMAB, INC.	3,059,994
NARO, DANIELE	OCADO INNOVATION	PHILIP MORRIS PRODUCTS	
NATIONAL OILWELL VARCO,	LIMITED	S.A.	2,923,335
L.P.	OCADO INNOVATION	PHILIP MORRIS PRODUCTS	
NATIONAL STEEL CAR	LIMITED	S.A.	2,998,286
NATURAL GAS SOLUTIONS	OHL, JAMES D.	PHILLIPS, DAVID L.	3,077,778
NORTH AMERICA, LLC	OJALA, ANTTI	PICKETT, JOHN ANTHONY	2,972,557
NEMAK, S.A.B. DE C.V.	OKADA, SATOSHI	PIETRA, CLAUDIO	3,017,048
NESTE OYJ	OLSON, GAYLE L.	PIETRZAK, CHRISTOPHER	3,121,684
NESTE OYJ	OLSON, STEVEN HOWARD	PIHLBLAD, RONNY	2,999,828
NEUBAUER, AXEL	ONCOPEPTIDES AB	PILLAI, KRISHNAN S.	3,007,674
NEUE SCHULE LIMITED	ORANSEL, MUSTAFA	PINIARSKI, MARK	2,931,681
NEUMEIER, ZEEV	OREB, MISLAV	PINTEREST, INC.	2,996,876
NEUROHR, ANSELM JAKOB	ORR, JESSICA CLAIRE	PIVAB AB	2,999,828
NEWMAN, DANIEL	ORR, MARY W.	PLAFCAN, TIMOTHY	2,981,484
ANDERSON	ORTHO SOFTWARE ULC	PLANCHER, JEAN-MARC	3,002,489
NEWMAN, JESSE	OSBORNE, CHARLES AGNEW,	PLAYCORE WISCONSIN, INC.	3,056,378
NG, BOON BING	JR.	PLOETNER, JEFFREY	3,087,551
NG, BOON BING	OSTROVSKY, ISAAC	POHLE, SVEN	2,980,388
NGOROI, DANIEL K.	OVARD, LLC	POIROT, OLIVIER	3,143,094
NGUYEN, JENNIFER	OWEN, BLAKE	POLITECHNIKA GDANSKA	2,980,084
NIAGARA BOTTLING, LLC	OWENS CORNING	POLK, JAMES E.	3,007,060
NICHOLLS, JOSEPH H.	INTELLECTUAL	POLSTER, JEREMIAS	3,125,808
NICKERSON, JAMES G.	CAPITAL, LLC	POLYAKOVA, ELENA	3,138,653
NICOLETTI, SERGIO	PALACIOS, MIGUEL	POLYMEROPoulos, MIHAEL	
NIDERBERG, ALEXANDER L.	PALMAZ, JULIO C.	H.	2,978,736
NIELSEN, ALEX TOFTGAARD	PALNAU, VADIM	POMERING, AMY LOUISE	3,124,197
NIPPON STEEL	PALUSZKIEWICZ, EWA	POMPLUN, SEBASTIAN	
CORPORATION	MARIA	JOHANNES	3,108,931
NIPPON THERMOSTAT CO.,	PALYS, LEONARD H.	POPLAR, KEVIN	3,105,190
LTD.	PANANDIKER, RAJAN	POWERCELL SWEDEN AB	3,099,307
NIU, LINHUI	KESHAV	PPG INDUSTRIES OHIO, INC.	3,132,469
NIX, RICHARD JOSEPH	PANASONIC HOLDINGS	PRATT & WHITNEY CANADA	
NOAKE, NOBUHIRO	CORPORATION	CORP.	2,920,188
NOAKES, AARON	PANTALEO, GIUSEPPE	PRATT & WHITNEY CANADA	
NOHARA, LILIAN	PAPP, ROBERT IOAN	CORP.	2,931,571
NOKIA TECHNOLOGIES OY	PAPPLE, MICHAEL	PRC-DESOTO	
NONINVASIX, INC.	PARE, CHANTAL	INTERNATIONAL, INC.	3,144,412
2,954,176	PARK, UN KI	PRECISION PLANTING LLC	3,019,230
NORDBERG, HENRIK	PARK, YOUNG JUN	PREMIER DENTAL	
NORDBERG, HENRIK	PARKER, THOMAS	PRODUCTS COMPANY	2,962,273
NORDMECCANICA S.P.A.	PARKER, THOMAS W.	PRESBREY, SCOTT	2,906,140
3,023,371	PARKER-HANNIFIN	PRESIDENT AND FELLOWS	
NORMA GERMANY GMBH	CORPORATION	OF HARVARD COLLEGE	2,935,423
NORTHERN DIGITAL INC.	PARSA, RAMINE	PRICE, GENE TEMPLE	3,096,656
NORTHROP GRUMMAN	PASCHAL, AMBER E.	PRICE, RALPH J.	3,156,000
SYSTEMS CORPORATION	PASSER STITCH, LLC.	PRIDMORE, JEFF	3,008,598
3,175,383	PASTRANA, RYAN M.	PRIEVE, MARY G.	3,160,394
NORTON (WATERFORD)	PATIL, SHAILESH	PROBASCO, RYAN WILSON	2,996,876
LIMITED	PAYNE, MARK	PRONOVA BIOPHARMA	
NOURYON CHEMICALS	PEARCE, ROBERT PATRICK	NORGE AS	2,886,957
INTERNATIONAL B.V.	PEITSCH, MANUEL CLAUDE	PROPRIETECT L.P.	2,996,708
3,066,844	PELLEGRI, MAURO	PROST, FABRICE	2,989,983
NOVARTIS AG	PELLERIN, BRUNO	PROUGH, DONALD	2,954,176
3,156,905	PENG, FENG	PUREWICK CORPORATION	3,146,352
NOVOTNY, MARK A.			
NOVOZYMES A/S			
NOX II, LTD.			

**Index of Canadian Patents Issued**  
**November 7, 2023**

PUSCAS, MIHAEL	3,001,347	RUDD, STACEY ERIN	2,983,459	SEENIVASAGAM,	
PYHALAHTI, ANTTI	3,137,511	RUSSELL, DUNCAN	3,094,760	DHAMOTHARAKKANNA	
PYTELA, ROBERT	2,999,369	RUTKIEWICZ, BRIAN	3,108,094	N	3,105,190
QABAR, MAHER	3,160,394	RUTKIEWICZ, ROBERT	2,956,752	SEEROVIC, MAXIM DANIEL	2,917,268
QIAN, JING	3,005,688	SAADE, GEORGE	2,954,176	SEIDL, TIMON	3,150,675
QINETIQ LIMITED	3,042,563	SABATOS-PEYTON, CATHERINE ANNE	2,935,423	SEMPLÉ, RYAN	3,132,869
QINGDAO UNIVERSITY OF TECHNOLOGY	3,121,440	SABELLI, TONINO	2,816,137	SEN, ASHISH	3,007,060
QUALCOMM INCORPORATED	3,008,125	SAINT-GOBAIN ABRASIFS	3,108,094	SENDRA, YANN MARCARIO	3,105,190
QUALCOMM INCORPORATED	3,016,627	SAINT-GOBAIN ABRASIVES, INC.	3,108,094	ANTOINE	3,105,190
QUALCOMM INCORPORATED	3,022,147	SAITO, TOSHIO	3,075,400	SERGEYEV, VLAD	2,931,681
QUALCOMM INCORPORATED	3,029,983	SAKAMOTO HIROSHI	2,973,857	SETH, RUCHI (DECEASED)	3,046,807
QUALCOMM INCORPORATED	3,047,147	SALDIN, PAUL G.	2,987,623	SETIAWAN, BARRY	2,998,532
QUARANTA, LAURA	2,992,885	SALEM, MOHAMED ADEL	3,103,057	SHABAN, SAMIR H.	2,956,316
QUEEN MARY UNIVERSITY OF LONDON	2,974,775	SALESFORCE.COM, INC.	3,039,517	SHAH, KHALID	2,967,951
QUEROLLE, OLIVIER ALEXIS GEORGES	2,999,818	SALMAN, NADER	3,033,397	SHANAHAN, WILLIAM R.	3,002,540
QUIDIENT, LLC	3,018,604	SAMADPOUR, MANSOUR	3,059,933	SHANNON, THOMAS	
RACHIELE, LYDIA	3,156,473	SAMSUNG ELECTRONICS CO., LTD.	2,977,948	PATRICK	3,159,385
RADAELLI, GUIDO	2,975,743	Sandbox Logistics, LLC	2,945,454	SHARPE, ARLENE HELEN	2,935,423
RADON, TOMASZ	2,974,775	SANDIN, KARIN	2,977,590	SHEarer, WADE	2,936,433
RADTKE, IAN	3,019,230	SAP SE	3,136,455	SHEN, KANYI	3,149,832
RAI STRATEGIC HOLDINGS, INC.	3,021,162	SASAKI, DAISUKE	2,945,643	SHEN, YUCHEN	3,141,599
RAINS, JASON D.	3,133,009	SASAKI, YOHICHI	3,127,775	SHOYKHET, EUGENE	3,021,210
RAMISETTY, SATYANARAYANA	3,105,190	SATTERTHWAITE, EDWIN H.	3,122,478	SICHUAN HAISCO PHARMACEUTICAL CO., LTD.	
RAMO, VIRPI	3,093,761	SATYANARAYANAN, KARTHIK	3,100,031	SIEMENS	3,106,382
RANPAK CORP.	3,127,712	SAVSUNENKO, OLEKSANDR	3,138,653	AKTIENGESELLSCHAFT	3,195,869
RAST, MARKUS	2,903,611	SAWAI, NILESH	3,100,031	SIGLI, CHRISTOPHE	3,006,871
RAVICHANDRAN, SETHUMADHAVAN	3,108,094	SCAPENS, DAVID	3,038,448	SILKEY, ROBERT	3,020,693
REDINGER, DAVID H.	2,952,942	SCHADEWEG, VIRGINIA	2,965,385	SINGH, VIVEK	3,108,094
REID, SCOTT ALEXANDER	3,056,243	SCHALLER, CHRISTIAN	3,006,628	SIRIVONG, MIKXAY	3,112,109
REMINE, DANIEL S.	3,050,966	SCHILT, ANGELA	3,137,537	SJT MOLECULAR RESEARCH, SL	
REN, HUGANG	2,993,416	SCHLAGE LOCK COMPANY LLC	3,096,359	SKELTON, SARAH	3,053,059
RENNICKS, KENNETH WAYNE	2,999,060	SCHLUMBERGER CANADA LIMITED	2,993,326	SKUFCA, PETER	3,146,352
RESOLUTION PRODUCTS, INC.	2,987,623	SCHMIDT, KONSTANTIN	3,033,397	SKWARSKA, ANNA	2,903,611
REVINCUS GMBH	3,125,808	SCHMIDT, MATHIAS	3,150,675	SLEITH, CHARLES CONOR	2,980,084
REW, YOSUP	3,157,177	SCHMITT, MARTIN	3,137,537	SMETS, JOHAN	3,152,116
RH-IMAGING SYSTEMS INC.	3,039,505	SCHNEIDER, JOSEPH	3,016,478	SMITH, DANIEL	3,135,389
RICASA, TED	3,020,693	SCHNEIDER, NICOLAS	3,152,048	SMITH, MICHAEL G.	3,096,656
RIGERT, MARIO	2,975,545	SCHNEIDKRAUT, MARC E.	2,953,141	SMITH, STEVEN DARYL	2,996,489
RILEY, WILLIAM W.	2,983,791	SCHNELL, MARKUS	3,150,675	SMITH, WILLIAM A.	3,135,389
RING CONTAINER TECHNOLOGIES, LLC	2,993,617	SCHNERMANN, MARTIN JOHN	2,954,463	SMITHS DETECTION	
ROBERTSON, TOM	3,201,949	SCHNUBEL, DIRK	3,137,784	MONTREAL INC.	2,931,681
ROCKFIELD MEDICAL DEVICES LIMITED	3,013,258	SCHOBERT, CHRISTIAN	2,981,484	SILKEY, ROBERT	
ROCKWOOL A/S	2,976,585	SCHRIX, LARS	2,952,942	SKERBERG, PAR	2,998,144
RODRIGUEZ, ERNESTO M., JR.	2,952,942	SCHULTE, MARK EDWIN	3,158,261	SODERBERG, PAR	2,998,144
ROLLMANN, PAUL JASON	2,933,985	SCHWIER, CHRIS E.	3,007,060	SODERHOLM, ANDERS	
ROLLMANN, PAUL JASON	2,933,986	SCIAINI, JAMES	3,115,674	SONG, GEOFFRY	3,078,982
ROMANO, JOSEPH	3,096,656	SCOPESI, LINO	3,023,371	SONOS, INC.	3,152,116
ROSEMEIER, MALO	3,081,471	SCRANTON MANUFACTURING COMPANY INC.	3,139,438	SONY CORPORATION	2,986,568
ROSEMOUNT AEROSPACE INC.	2,956,752	SCRUGGS, CASEY A.	2,999,060	SOPHI INC.	3,103,311
ROSKI, JAMES P.	2,969,712	SEEHOEFER, FRANK	3,134,733	SORBONNE UNIVERSITE	3,017,916
ROTHAMSTED RESEARCH	2,972,557	SEEMANN, BRIAN K.	2,987,623	SORENSEN, CHARLES M.	2,953,141
ROVETO, PHILIP MARLEY	3,157,177			SOTIROPOULOS, PANAGIOTIS	2,994,760
ROY, DEBASHISH	3,160,394			SOTO, KURT THOMAS	3,152,116
				SOTTY, ALEXANDRE	3,152,048
				SPECTRUM BRANDS, INC.	2,981,484
				SPENCER OSSA, EUGENIO	2,968,430

**Index des brevets canadiens délivrés**  
**7 novembre 2023**

SPINAL STABILIZATION TECHNOLOGIES LLC	3,004,526	TEXAS HEART INSTITUTE	2,999,060	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
SPRING, KYLE	3,114,167	THAI, DELPHINE	3,156,473	
SPS TECHNOLOGIES, LLC	3,142,366	TALES	2,911,664	
SRINIVASA, SIDDHARTHA	3,096,656	THANGAMANI, ARUNVEL	3,108,094	
SRINIVASAN, VENUGOPAL	3,124,234	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS	3,132,444	THE UNIVERSITY OF MELBOURNE
STEFANOVIĆ, MILAN	3,036,196	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	2,954,176	THERMAL PURIFICATION TECHNOLOGIES LTD.
STEIN, RALF-INGO	3,058,963	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	3,132,914	THIELICKE, RENE, DR. THIRUMALAI, VIJAYARAGHAVAN
STELLAR BIOME INC.	2,917,268	THE BOEING COMPANY	2,938,997	3,022,147
STEPAN, DANIEL	3,102,352	THE BOEING COMPANY	3,017,922	THOMPSON, TOMAS MARTIN
STEPHENSON, HAZEL	3,038,448	THE BOEING COMPANY	3,036,196	THOMPSON, ZACHARY M.
STERN, ALAN J.	2,998,194	THE BOEING COMPANY	3,050,966	THOMSON, SCOTT M.
STEUBER, JESSICA M.	3,137,711	THE BOEING COMPANY	3,065,009	THOREN, MAX
STEWART & STEVENSON LLC	3,201,949	THE LUBRIZOL CORPORATION	3,073,764	THYSSENKRUPP AG THYSSENKRUPP POLYSIUS GMBH
STEWART, GORDON	2,993,874	THE NIELSEN COMPANY (US), LLC	2,969,712	TILLER, JEFF TILLMANN, ANDREAS
STOCKLY, GRANT	3,090,288	THE NIELSEN COMPANY (US), LLC	3,123,409	TIONE, ROBERTO TISCARENO, VICTOR MANUEL
STOETT INDUSTRIES	3,163,195	THE PROCTER & GAMBLE COMPANY	3,124,234	TOGASHI, KAZUKI TOGNARELLI, LEONARDO
STOLL, THEODOR	3,002,489	THE PROCTER & GAMBLE COMPANY	3,100,230	3,098,519
STOLLER, JASON	3,019,230	THE PROCTER & GAMBLE COMPANY	3,135,389	3,113,070
STOLYAROV, DANIEL	3,138,653	THE QUAKER OATS COMPANY	3,123,409	3,051,722
STONEAGE, INC.	3,016,478	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,124,234	TIONE, ROBERTO TISCARENO, VICTOR MANUEL
STOVER, CHRIS	3,163,195	THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE	3,138,220	TOPCHY, ALEXANDER PAVLOVICH
STUMPER, THOMAS	3,058,963	THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY	3,018,569	TORAY INDUSTRIES, INC. TORIZU, TAISUKE
SUDA, HIROSHI	3,030,278	THE TORONTO-DOMINION BANK	2,581,086	TORKUHL, LARS TORO ASCUY, DANIELA
SUN, BILL NAI-CHAU	3,059,994	THE TORONTO-DOMINION BANK	2,774,326	TOUCH ONE CORPORATION
SUN, DAQING	3,157,177	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	TOWERS, KEVIN P. TRAH, STEPHAN
SUN, JIANQIANG	3,141,599	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	2,973,277	TRASK, CRAIG A. TRAXER, OLIVIER
SUN, JING	3,047,147	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	TREADWELL, DANIEL J. TREESE, DEREK
SUN, YI	3,118,940	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	TRUSCOTT, ANDREW J. TSERETOPOULOS, DEAN
SUR, RAJESH	3,021,162	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	2,973,277	TSUKAGUCHI TOSHIYUKI
SVENSSON, EMELIE	3,046,326	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	TSUKAMOTO, DAISUKE
SVENSSON, MAGNUS	3,016,794	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	TSUKISHIMA KIKAI CO., LTD. TTI (MACAO COMMERCIAL OFFSHORE) LIMITED
SWAILE, DAVID FREDERICK	3,100,230	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	TU, XIAOPING
SWARD LLC	2,937,651	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	TUFENKJI, NATHALIE
SYED, AMMAR AHMED	3,159,385	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	TULLIE, THOMAS L.
SYNGENTA PARTICIPATIONS AG	2,992,885	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	TURNER, CARL W.
SZILAGYI, ANNA	2,977,590	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	TURTINEN, SAMULI
TABUTEAU, HERRIOT	3,128,940	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	TWOMBLY, WESLEY
TADEPALLI, RAJAPPA	3,108,094	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	TYCO ELECTRONICS JAPAN G.K.
TAKAHASHI, KAZUYUKI	2,986,568	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	3,127,775
TAKEDA KAZUTOSHI	3,131,668	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	UDD, ERIK
TAKEDA PHARMACEUTICAL COMPANY LIMITED	2,903,611	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	UEDA, WILLIAM
TAMAYO-COFFEY, MARIA T.	3,137,711	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	ULLRICH, THEODORE
TAMBLEY ZAMORANO, CAROLINA	2,968,430	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	UMDASCH GROUP NEWCON GMBH
TAMBURINI, BETH	2,774,326	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	3,129,297
TAN, HAIZHONG	3,141,424	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	UNITED THERAPEUTICS CORPORATION
TANG, DONG	3,131,954	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	2,956,316
TANIMURA, YASUAKI	3,015,334	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	
TANNER, DAVID	3,132,869	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	
TANZIO, MICHAEL	2,953,141	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	
TARRANT, PHILIP ANDREW	3,192,835	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	
TASLY PHARMACEUTICAL GROUP CO., LTD.	2,916,750	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	
TATE, JASON L.	2,995,765	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	
TAYLOR, DEAN C.	2,906,140	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	
TAYLOR, PHILIP	3,119,637	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	
TDL INNOVATIONS, LLC	2,995,193	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	
TDW DELAWARE, INC.	3,139,982	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	3,086,389	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,046,254	
TEN 47 LIMITED	2,958,641	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,056,243	

**Index of Canadian Patents Issued**  
**November 7, 2023**

UNIVERSIDAD DE SANTIAGO DE CHILE	2,968,430	WALMART APOLLO, LLC	3,203,299	WINTER, LUCAS JOHANNES	3,129,297
UNIVERSITE D'ANGERS	3,111,861	WALSH, JAMES R.	3,098,356	WOLF, CHARLES L.	3,059,353
UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED	2,972,557	WALTHER, JULIAN	3,134,733	WONDERLAND	3,095,185
UNIVERSITY OF MASSACHUSETTS	3,008,148	WANG, BANGYUAN	3,132,454	SWITZERLAND AG	3,095,185
UNIVERSITY OF WASHINGTON THROUGH ITS CENTER FOR COMMERCIALIZATION	2,925,487	WANG, BO	3,149,832	WONDERLAND	3,115,420
URAI, JUNICHI	3,015,334	WANG, CHIE-HSIUNG	3,007,060	SWITZERLAND AG	3,149,912
UTS BIOGASTECHNIK GMBH	2,966,373	WANG, CHUNLIN	2,884,246	WONG, MATTHEW	3,149,912
UTSUNOMIYA, MASAMICHI	3,015,334	WANG, GANG	3,131,954	WONG, VALERIE	3,135,389
UZUNPINAR, CIHAN	3,007,060	WANG, HONGJIE	2,925,487	WOODCOCK, ASHLEY	3,143,094
VACTRONIX SCIENTIFIC, LLC	2,835,844	WANG, JING	3,095,494	WOODS, MICHAEL J.	2,979,560
VAN AVERY, JAMES CHARLES	2,938,997	WANG, QIXING	3,126,308	WOOLPERT, INC.	3,002,805
VAN DAM, JEREMY DANIEL	3,133,286	WANG, XIAODONG	3,157,177	WU, CHUNLI	3,114,130
VAN DER HOFF, GUIDO JOHANNES	3,033,397	WANG, YANG	3,131,954	WU, JIE	3,141,599
VAN DER KAAP, JORDY	3,127,712	WANG, YI-LAN	3,004,272	WU, JINGHUI	3,069,023
VAN EESBEEK, MICHAEL	2,973,277	WANG, YINGCAI	3,157,177	WU, NAIFENG	2,916,750
VAN KAMPEN, WILLIAM	2,979,424	WANG, ZHIDONG	2,998,194	WU, YUMIN	3,111,864
VAN OPBERGEN, MARTIJN	2,989,097	WANG, ZUYANG	3,066,506	WU, YUMIN	3,127,702
VANDA PHARMACEUTICALS INC.	2,978,736	WARBURTON TECHNOLOGY LIMITED	3,150,440	WU, ZHIBIN	3,008,125
VAPOLA, RISTO	3,093,761	WARNER, MIKE	2,936,433	XIA, LIANG	3,126,308
VARIEUR, MICHAEL S.	2,906,140	WARREN, DANIEL ADAM	3,122,478	XIA, XUEJUN	3,132,454
VELAGAPUDI, PRASANNA	3,096,656	WASON, PETER MATTHEW	3,060,408	XIAO, JIANBIN	2,947,925
VENSTAR, LLC.	2,967,030	WATANABE, MASAEI	3,006,489	XIAO, YIXI	3,165,074
VENTANA MEDICAL SYSTEMS, INC.	2,999,369	WATSCO VENTURES LLC	3,169,020	XIE, SAMAN	3,121,684
VERHOFF, JONATHAN MICHAEL	2,985,259	WEBER, TILLMANN	2,980,388	XIE, XINQIAN	3,091,299
VERISCAN, LLC	3,105,190	WEBER-STPHEN PRODUCTS LLC	3,137,537	XIONG, CAIMING	3,039,517
VERSTRAETE, PIERRE DANIEL	3,135,389	WEI, WUXIANG	3,123,143	XU, HENG	3,131,954
VESCO, NEIL	3,087,551	WEICHOLD, JENS	2,952,942	XU, HUA	2,902,449
VISHWAKARMA, RAM	3,004,534	WEINER, MARTIN ERIC, JR.	2,996,876	XU, KAI	3,118,940
VIVANOX INVESTMENTS INC.	3,052,863	WEISER, THOMAS	3,137,784	YALE UNIVERSITY	3,095,494
VIVINT, INC.	2,936,433	WEISS INSTRUMENTS LLC	3,028,415	YAMAGA, SATOSHI	3,127,775
VIVO MOBILE COMMUNICATION CO., LTD.	3,111,864	WEISS, JOHN W.	3,028,415	YAMAMOTO, HIDEKI	3,166,971
VIVO MOBILE COMMUNICATION CO., LTD.	3,127,702	WEISS, MATTHIAS	2,992,885	YAN, KAIJING	2,916,750
VOIC, DAN	2,992,121	WEITZEL, DOUGLAS E.	2,969,460	YAN, PANGKE	3,106,382
VOYENKO, DENIS	3,123,409	WENNERBERG, JOHAN ANDERS	2,983,559	YAN, XIJUN	2,916,750
VUTUKURI, ESWAR	2,995,311	WERN, MICHAEL J.	2,946,415	YAN, XUELEI	3,157,177
VZR, INC.	3,119,054	WERNER CO.	3,103,262	YANG, HAITAO	3,106,468
WAGNER, THOMAS	3,096,656	WESTINGHOUSE AIR BRAKE TECHNOLOGIES	3,124,105	YANG, JINZHU	3,141,599
WAHLSTROM, NIKLAS HAKAN	2,983,559	CORPORATION	3,059,353	YANG, KONGSHENG	3,163,590
WALGER, STEFAN	2,936,433	WHALEN, ANDREW	2,936,687	YANG, LI-YING	3,165,074
WALIA, SARABJIT SINGH	2,973,277	WHEELER, FREDERICK WILSON	2,924,930	YANG, SONG	3,194,051
WALKER, CHRISTOPHER BRIAN	3,001,347	WHELAN, MATTHEW ROBERT	3,104,014	YANG, YANFANG	3,132,454
WALKER, GARY M.	2,969,712	WHITAKER, RAY	3,006,871	YAROSLAVSKY, ILYA	3,126,837
WALL, ADAM	2,957,586	WHITE, SHAULAINE	2,957,586	YATES, DAVID	3,023,069
WALL, WESLEY	2,957,586	WHITING, JEFFREY P.	3,139,428	YE, JUN	3,132,454
		WITNEY, R. ROY	2,953,141	YE, ZHENGLIANG	2,916,750
		WICK, CHARLES R.	2,985,795	YU, CHENG-DER TONY	3,032,049
		WIDELL, MIKAEL IVAR	2,995,765	YU, HUAFENG	3,050,966
		WIEDERSBERG, SANDRA	3,027,719	YU, LINGFENG	2,993,416
		WIESLANDER, ANDERS	3,058,963	YU, MING	3,157,177
		WILHELM, JOCHEN	2,977,590	YU, PEIWEN	3,032,049
		WILLIAMS, DAVID	3,137,784	YU, ZHENG	3,095,944
		WILLIAMS, SPENCER JOHN	2,930,156	YUAN, JUNFENG	3,194,051
		WILLMS, EIKE	2,983,459	YUDINA, NATALIA	2,917,268
		WILLOT, MATTHIEU	3,098,519	YUREK, MATTHEW T.	3,137,711
		PHILIPPE VICTOR	2,999,818	ZABCIK, J. MARTY	3,112,109
		WILSON, JAMES DAVID	2,980,510	ZALESKI, HENRYK	3,007,060
				ZAVERUCHA, GREGORY	2,931,681
				MARC	3,135,341
				ZAZZLE INC.	2,995,414

**Index des brevets canadiens délivrés  
7 novembre 2023**

ZECO SYSTEMS INC.	3,032,409
ZELLER, WOLFGANG	3,010,352
ZENIMAX MEDIA INC.	3,106,617
ZHANG, FENG	3,149,832
ZHANG, JIAYIN	3,103,057
ZHANG, SHUNNAN	2,916,750
ZHANG, WENSHENG	2,916,750
ZHANG, WENYUE	3,149,832
ZHANG, XI	3,141,599
ZHANG, XIAOFANG	2,968,129
ZHANG, XUANMIAO	3,106,382
ZHANG, XUECHENG	2,965,023
ZHANG, YANG	3,141,424
ZHANG, YANSHI	2,969,712
ZHANG, YANXIA	3,111,864
ZHANG, YI	3,058,591
ZHANG, YI	3,126,308
ZHANG, YUN	3,132,454
ZHAO, JIANGRAN	3,118,940
ZHAO, YIN	3,106,468
ZHAO, YUE	3,095,944
ZHENG, YAN	3,165,074
ZHENG, YONGFENG	2,916,750
ZHIMING, LIAO	2,999,369
ZHOU, JUNZHUO	3,132,454
ZHOU, LIHONG	2,916,750
ZHU, JIANG	3,157,177
ZHU, JING	3,118,940
ZHU, XUEWEN	2,947,925
ZHU, YIFEI	2,999,369
ZINZER, JOSHUA	3,123,409
ZUBATIY, SERGIY	3,020,693
ZYLKA, KEVIN J.	2,906,140

# Index of Canadian Applications Open to Public Inspection

October 22, 2023 to October 28, 2023

## Index des demandes canadiennes mises à la disponibilité du public

22 octobre 2023 au 28 octobre 2023

2692873	ONTARIO INC.	3,197,805	CARL FREUDENBERG KG	3,198,122	DINAN, ESMAEL HEJAZI	3,198,172
ABB SCHWEIZ AG		3,190,108	CASAS, JORGE IGNACIO		DINAN, ESMAEL HEJAZI	3,198,177
ABB SCHWEIZ AG		3,197,236	MARTINEZ	3,207,903	DINAN, ESMAEL HEJAZI	3,198,181
ACKERMAN, DAVID ALAN		3,197,433	CASCADIA SEAWEED CORP.	3,157,202	DOODNAUTH, DANIEL P.	3,189,981
AFFIRM, INC.		3,196,118	CATALER CORPORATION	3,197,652	DUNNEWIND, ALBERTUS	3,197,444
AGARWAL, SOURABH		3,165,010	CAVITTE, YOANN	3,198,032	DUTT, BALA	3,165,010
AL, RENE GERARDUS			CHAE, HYUKJIN	3,198,170	EATON INTELLIGENT POWER	
HENDRICUS		3,196,088	CHAE, HYUKJIN	3,198,177	LIMITED	3,197,840
AL, RENE GERARDUS			CHAMPAGNE, TREVOR	3,197,805	ECOSEEKER INC.	3,156,221
HENDRICUS		3,196,090	CHANG, CHI-LO	3,156,542	ECOSEEKER INC.	3,176,872
ALAWODE, ABIODUN O.		3,197,722	CHARRIER, DIMITRI	3,194,631	EID, ROY GEORGE	3,197,186
ALIZADEH-MEGHRAZI,			CHAUHAN, RAVI KUMAR	3,165,010	EPITECH GROUP S.P.A.	3,197,298
MILAD		3,197,800	CHENG, CHEN	3,157,763	ESKANDARIAN, LADAN	3,197,800
ALSTOM HOLDINGS		3,197,531	CHMURA, JACOB	3,198,016	ESSEX FURUKAWA MAGNET	
AN, KETAK		3,197,357	CHOWANSKI, WOJCIECH	3,157,021	WIRE USA LLC	3,197,510
ANC CAPITAL INC.		3,194,539	CHOWN, ROBERT M.	3,156,221	ESSEX FURUKAWA MAGNET	
ANDERSON, KENNETH		3,198,039	CHOWN, ROBERT M.	3,176,872	WIRE USA LLC	3,198,132
APPLEBY, MATTHEW		3,197,922	CHRISTENSON, JOHN C.	3,187,108	ESWARAN, PRAVINSHARMA	
ARCONIC TECHNOLOGIES			CIRIK, ALI CAGATAY	3,198,020	KALIYANNAN	3,194,699
LLC		3,197,449	CIRIK, ALI CAGATAY	3,198,172	EUNSUK, KIM	3,197,839
ASAFU-ADJAYE, OSEI A.		3,197,722	CIRIK, ALI CAGATAY	3,198,181	EVONIK OPERATIONS GMBH	3,192,285
ASAKURA, KEISUKE		3,197,652	CLARK, JENNIFER	3,157,202	EVONIK OPERATIONS GMBH	3,193,731
ATLAS MANUFACTURING			CLARK, SHAWN	3,197,531	FAEQ, AHMAD HASSAN	3,197,449
LTD.		3,198,039	COHEN, SHAY	3,197,922	FALLENSTEIN, FELIX	3,198,122
AUBURN UNIVERSITY		3,197,722	COMCAST CABLE		FARMENT BIO SOLUTIONS	
AUNE, ROY		3,197,956	COMMUNICATIONS, LLC	3,198,020	LTD.	3,207,903
AZAM, MUHAMMAD			COMCAST CABLE		FEDIRCHUK, PETER	3,166,235
MUSTAJAB		3,198,016	COMMUNICATIONS, LLC	3,198,170	FENSTER, AARON	3,197,557
BACKES, JESS		3,197,531	COMCAST CABLE		FERRONE, ANDREA	3,197,800
BANERJEE, SUJIT		3,197,722	COMMUNICATIONS, LLC	3,198,172	FERRU-CLEMENT, ROMAIN	3,198,483
BARBULESCU, ION-HORATIU		3,197,449	COMCAST CABLE		FIANDER, DAVID	3,198,039
BARROW, WARREN		3,156,467	COMMUNICATIONS, LLC	3,198,177	FISCUS, KIRK	3,197,956
BATES, LYALL DONALD		3,195,629	COMCAST CABLE		FOREST, ANIK	3,198,483
BATTY, RONALD			COMMUNICATIONS, LLC	3,198,181	FRANCOIS, MAXENCE	3,198,089
BAUMGARTNER, SVEN		3,197,736	CONNELL, JAMES J.	3,197,510	FRIES, JEFFREY	3,197,531
BAX, JEFFREY		3,197,557	CONNELL, JAMES J.	3,198,132	GABBEY, NICHOLAS A.	3,197,396
BECIC, DZENAN		3,194,817	CORRIVEAU, PHILIPPE	3,197,843	GANGER, DAVID WU	3,197,840
BEENTJES, IVAN		3,156,637	COWLES, KEVIN P.	3,190,808	GARZA, ILIANA	3,209,493
BESSAC, JEREMY		3,198,089	CRISTIANO, CLAUDIO	3,197,298	GARZA, ILIANA	3,209,508
BIEGANSKI, MAIK		3,198,122	CUTLER, MATTHEW A.	3,198,221	GATES, PATRICK	3,197,731
BITRO GROUP, INC.		3,197,357	CUZZOCREA, SALVATORE	3,197,298	GAUVREAU, LOUIS-PHILIPPE	3,197,843
BOERHOF, HENK		3,195,968	DAO, ANGELA	3,196,118	GERKEN, STEFAN	3,197,271
BOGH, BRIAN HANSEN		3,197,950	DASHTAKI, MOHAMMAD		GERKEN, STEFAN	3,197,282
BOLLEGRAAF PATENTS AND			GHADIR KHOSHKHOLGH	3,198,020	GHASSEMPOUR	
BRANDS B.V.		3,195,968	DEBUS, HERVE	3,197,458	AGHAMOLKI, HOSSEIN	3,197,840
BONDCore OU		3,185,986	DEERE & COMPANY	3,190,808	GHAVAMI, KAMRAN	3,179,462
BOUCHER, GABRIELLE		3,198,483	DELGADO, EMMANUEL	3,197,449	GLOBAL INDUSTRIAL	
BRAITHWAITE, ANDREW M.		3,156,550	DELLA VALLE, MARIA		DISTRIBUTION INC.	3,189,981
CALIGNANO, ANTONIO		3,197,298	FEDERICA	3,197,298	GLOVER, PATRICK	3,198,039
CAMPBELL, ADAM		3,197,954	DELLA VALLE, RAFFAELLA	3,197,298	GOLMHAMMADI ROSTAMI,	
CAMPBELL, TOM		3,157,202	DES ROSIERS, CHRISTINE	3,198,483	SAHAR	3,197,800
CANADIAN ENERGY			DESMEULES, ALAIN	3,157,403	GOMIERO, CHIARA	3,197,298
SERVICES L.P.		3,197,890	DESORCY, DANIEL B.	3,156,197	GOODRICH CORPORATION	3,195,843
CAPITAL ONE SERVICES, LLC		3,197,922	DINAN, ESMAEL HEJAZI	3,198,020	GRAVES, MICHAEL WILLIAM	3,198,221
CAPPO, MATTEO		3,190,429	DINAN, ESMAEL HEJAZI	3,198,170		

## Index des demandes canadiennes mises à la disponibilité du public

22 octobre 2023 au 28 octobre 2023

GREEENWORKS (JIANGSU) CO., LTD.	KIS, STEPHEN	3,157,182	MEYN FOOD PROCESSING TECHNOLOGY B.V.	3,196,090
GRENIER-POULIN, RENAUD	KNERR, ALLAN R.	3,197,510	MICROTECNICA S.R.L.	3,190,429
GRIOT, SAMUEL	KNERR, ALLAN R.	3,198,132	MITCHELL, MICHAEL SCOTT	3,197,531
GUIINGER, ALLEN ROE	KRAUB, ULRICH	3,194,025	MOINEAU, BASTIEN	3,197,800
GUIINGER, ALLEN ROE	KUROKI, TAKANOBU	3,197,652	MORRIS, STEPHEN THOMAS	
GULO, EROS	KUTER-ARNEBECK, OTTOLEO	3,197,396	CAULTON	3,157,527
HAAGENSON, STEVEN	KWONG, YU SIU	3,197,839	MY SWEET PETUNIA, INC.	3,209,493
HAIDER, THOMAS	L'AIR LIQUIDE, SOCIETE		MY SWEET PETUNIA, INC.	3,209,508
HALL, STEPHEN	ANONYME POUR		MYANT INC.	3,197,800
HAMILTON SUNDSTRAND CORPORATION	L'ETUDE ET		MYHRER, ERIK	3,197,433
HAN, XUYANG	L'EXPLOITATION DES		NAGLER, STEFAN	3,194,025
HARIRAM, SRIDHAR	PROCEDES GEORGES		NAIR, ARUN SUKUMARAN	3,197,840
HASEGAWA, NAOKI	CLAUDE	3,194,546	NANBU, HIRONOBU	3,197,652
HAZEN INTERNATIONAL ENERGY SERVICES INC.	LALONGE, PATRICK	3,197,843	NATIONAL OILWELL VARCO, L.P.	3,197,186
HEXAGON POWER TECHNOLOGIES INC.	LEACH, MATTHEW	3,197,510	NEILL, ANDREW	3,194,539
HO, DENNIS	LEACH, MATTHEW	3,198,132	NELLIKKURUSSI	
HONG, JONGWOO	LEADER SHINING MATERIAL CO., LTD.	3,156,542	KALARIKKAL, GREESHMA	3,195,843
HONG, JONGWOO	LEE, YEJIN	3,197,982	NEURO SPINAL INNOVATION INC.	3,197,913
HORESH, YAIR	LEIPHART, CHRISTOPHER		NEXANS	3,194,631
HORI, AKIHIRO	ROBIN	3,197,800	NGUYEN, THUAN	3,197,449
HORTON, DAVID	LES PIERRES ROYALES INC.	3,193,234	NIAKAN, SHAYAN	3,197,800
HSU, JHIH-DA	LETT, RALPH JEFFERY	3,207,903	NIELSCH, KORNELIUS	3,197,982
HUANG, HONGFENG	LIBERTY OILFIELD SERVICES		NIKOGHOSSIAN, MELINE	3,157,021
HUBER, JOHN, JR.	LLC	3,197,956	NOMURA, KUMIKO	3,197,652
HUBERMAN, SEAN	LIZOTTE, PASCAL	3,157,708	O'CONNOR, KYLE JAMES	3,197,433
HUI, BING	LULULEMON ATHLETICA CANADA INC.	3,157,527	O'NEIL, MICHAEL DEVIN	3,190,108
HUI, BING	MAHESHWARI, SACHIN		ORTHO SOFTWARE ULC	3,198,089
HWANG, EUIHYUN	KUMAR	3,165,010	OTAAL, NIHAI	3,194,817
ILGENFRITZ, MARKUS	MAHEVE, MANJU	3,195,843	OUELLET, JOCELYN	3,197,843
IMOTO, RUI	MAHMOOD, AHMED	3,197,715	PALANISAMY, ANURAM	3,197,553
INNO-PAK, LLC	MAHNAM, AMIN	3,197,800	PAPILLON, MELANIE	3,197,731
INSTITUT DE CARDIOLOGIE DE MONTREAL	MAILLET, PIERRE	3,198,089	PAREDES, CARLOS JAVIER	3,197,860
INTUIT INC.	MANTIA, ELIO	3,190,429	PARK, CLAIRE KEUN SUN	3,197,557
INTUIT INC.	MAPSTED CORP.	3,197,715	PATHIER, DIDIER	3,194,546
IRITI, MARCO	MARCOLONGO, GABRIELE	3,197,298	PCTEL, INC.	3,179,462
ISOBODY TECHNOLOGIES INC.	MAREL FURTHER		PERUMAL, RAJKUMAR	3,194,699
JEON, HYOUNGSUK	PROCESSING B.V.	3,198,084	PETERSON, OLAF J.	3,190,808
JEON, HYOUNGSUK	MARTIN, TROY		PICHLER, MICHAEL	3,197,736
JEON, HYOUNGSUK	MARTINI, MICKEY	3,156,470	PILATO, TYLER	3,197,922
JONES, RICHARD	MAYER, STEVEN A.	3,198,020	POCCIA, NICOLA	3,197,982
JONES, RICHARD	MCCORD, NEIL	3,198,170	PRATT & WHITNEY CANADA CORP.	3,197,729
JOZANI, HOSSEIN	MCFARLAND, FREDERICK	3,198,177	PRATT & WHITNEY CANADA CORP.	3,197,731
JURGENS, RALF	MARSHALL	3,209,493	PRESCIENCE	
KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO	MCFARLAND, FREDERICK	3,209,508	BIOTECHNOLOGY INC.	3,157,740
KAHAL, MOUSSA	MARSHALL	3,197,890	PRINCETON IDENTITY	3,197,433
KALATHUR SRINIVASAN, RAJAGOPAL	MCFARLAND, TAMANNA	3,198,122	PRO TUNING FREAKS INC.	3,194,817
KALLURI, NAGESWARA RAO	FERDOUS	3,197,652	PUN, HUI KING	3,197,839
KASAMA, YUUKI	MCGREGOR, MALCOLM	3,194,631	QUILLA, CHRISTOPHER S.	3,189,981
KASSABIAN, JULIE	DOUGLAS	3,195,843	RADGENS, PAUL MANDRUCH	3,198,221
KATAKAM, SRIDHAR	MEISTER, CLAUDIA	3,194,699	RAINS, GERALD E.	3,190,808
KENNY, SHAWN A.	MEISTER, CLAUDIA	3,197,652	RAPELA, FACUNDO MARTIN	3,207,903
KHAN, ASLAM	MENHEERE, DAVID	3,157,403	RATEGARDOOST, NAZANIN	3,198,170
KHZOUZ, ERIK RYAN	MERCURY MISSION SYSTEMS	3,194,699	RATEGARDOOST, NAZANIN	3,198,177
KIM, TAEHUN	INTERNATIONAL S.A.	3,190,808	RICCO, PHILIPPE	3,197,736
KIM, TAEHUN	MEULENDIJKS, JOHANNES	3,197,913	RIoux, JOHN D.	3,198,483
KINNEY, JUSTIN BENJAMIN	MARTINUS	3,197,236	RIoux, JULIEN	3,197,843
	MEYN FOOD PROCESSING TECHNOLOGY B.V.	3,198,177	ROGALSKI, JAKOB	3,198,001
		3,197,186		3,196,088

**Index of Canadian Applications Open to Public Inspection**  
**October 22, 2023 to October 28, 2023**

ROSEMOUNT AEROSPACE INC.	3,187,108	THE TORONTO-DOMINION BANK	3,157,021
ROSKOS, JONOTHON S.	3,156,197	THORNTON, ZACK	3,197,956
ROSS, JOHN	3,197,531	THOTA, MADHU SANDEEP	3,198,221
ROY, LESLEY ANN	3,156,197	TOYOTA JIDOSHA KABUSHIKI KAISHA	3,197,652
ROYAL BANK OF CANADA	3,198,016	TRAN, HUONG NGOC	3,197,449
RUPPERT, CHRISTIAN	3,197,736	TRAN, THANH NHAN	3,197,449
SAGGAU, CHRISTIAN	3,197,982	TRIPATH, ABHINANDAN	3,197,840
SAID, MOHAMMAD MAZHAR	3,197,510	TSENG, TZU-YING	3,157,740
SAID, MOHAMMAD MAZHAR	3,198,132	TUBIC, TIHOMIR	3,197,444
SAINT-GOBAIN ISOVER	3,197,458	URQUIZA, ARTURO	3,197,922
SALAZAR, DAVID	3,197,449	VALD, MARGARITA	3,164,460
SALINAS, MAXIMO	3,197,531	VALLERU, SURENDRA	
SAND, NIKOLAI	3,198,122	SOMASEKHAR	3,194,699
SANDVINE CORPORATION	3,197,553	VAN STEIJN, ALOYSIUS	
SATO, HITOHIKO	3,197,652	CHRISTIANUS MARIA	3,196,088
SAUNDERS, CHRISTOPHER J.	3,197,186	VAN STEIJN, ALOYSIUS	
SAVOIE-LAVIGUEUR, GUILLAUME	3,160,374	CHRISTIANUS MARIA	3,196,090
SCHALLENBERG, ANDREAS	3,197,271	VAN STRALEN, RICK	
SCHALLENBERG, ANDREAS	3,197,282	SEBASTIAAN	3,196,088
SCHMIDL, FLORIAN	3,194,025	VAN STRALEN, RICK	
SCHOTT, CHRISTOPHER	3,197,922	SEBASTIAAN	3,196,090
SCHULTZ, NATHAN W.	3,156,584	VERCO DECKING, INC.	3,197,950
SEAWELL, TABATHA	3,197,922	VEZINA, DOMINIQUE	3,193,234
SEEMANN, MARKUS	3,197,271	VIA, BRIAN	3,197,722
SEEMANN, MARKUS	3,197,282	VINOKOUR, VALERII	3,197,982
SELLIER, JULIEN	3,197,458	VYTLA, LAVANYA	3,198,221
SHEFFER, YARON	3,164,460	WALTER, JASON D.	3,190,808
SHI, BIN	3,190,808	WANG, HAIBIN	3,197,661
SHOKRI, SANAZ	3,197,982	WANG, YUNAN	3,197,652
SHOPIFY INC.	3,193,777	WELLINGTON, HARRY E.	3,189,981
SIDRE, JEAN-BERNARD	3,197,458	WILSON, GRAHAM	3,197,839
SIEMENS MOBILITY GMBH	3,197,271	WING, LAU HEE	3,197,839
SIEMENS MOBILITY GMBH	3,197,282	XU, KAI	3,198,020
SINGH, PRABHJOT	3,194,817	XU, KAI	3,198,172
SINOPOLI, LUCAS PABLO	3,197,860	XU, KAI	3,198,181
SIRAK, SOFIA	3,192,285	XU, LIANG	3,192,285
SIRAK, SOFIA	3,193,731	XU, LIANG	3,193,731
SLOAT, JAMES T.	3,189,981	YALPANIAN, ALI	3,197,843
SNAP-ON INCORPORATED	3,197,396	YANAY, ALON	3,197,736
SODERBERG, JEFFREY	3,197,890	YANO, KAZUHISA	3,197,652
SOFIDEL S.P.A.	3,198,084	YONEUCHI, TSUBASA	3,197,652
SOLTANIAN, AMIR	3,179,462	YU, COLTON KAI	3,157,527
STOLWIJK, WILHELMUS FREDERIK ADRIANUS	3,192,285	YU, ZHUO	3,198,016
STRYKER CORPORATION	3,195,968	ZAKERSHOBEBIRI, MOHAMMAD AMIN	3,197,860
SUJATHA, RASHMI GURURAJA	3,198,221	ZHA, WEI	3,179,462
SUNCOR ENERGY INC.	3,165,010	ZHOU, HUA	3,198,020
SWEENEY, CHRISTOPHER RYAN	3,156,637	ZHOU, HUA	3,198,170
SYNTEGON TECHNOLOGY GMBH	3,198,221	ZHOU, HUA	3,198,172
SYSKAKIS, TOMAS	3,194,025	ZHOU, HUA	3,198,177
TAIYO KAGAKU CO., LTD.	3,197,860	ZHUK, IRYNA	3,192,285
TAKESHITA, TOMOHIRO	3,197,652	ZHUK, IRYNA	3,193,731
TAO, DENNY V.	3,197,652	ZUTLER, BRUCE B.	3,189,981
TECHNOLOGIES MINDCORE INC.	3,156,584		
TECHTRONIC CORDLESS GP	3,197,843		
TERRA QUANTUM AG	3,197,839		
TESSIER, DAVID RONALD	3,197,982		
THACKERY, CLINTON C.	3,197,557		
	3,197,839		

# Index of PCT Applications Entering the National Phase

## Index des demandes PCT entrant en phase nationale

24M TECHNOLOGIES, INC.	3,216,741	ALDERMAN, STEVEN LEE	3,216,327	ANSSARI, NEDA	3,216,583
2N PHARMA APS	3,216,365	ALEMAN, OMAR	3,216,572	ANTHONY, JAMES WILLIAM	3,216,311
3M INNOVATIVE PROPERTIES COMPANY	3,216,241	ALEMI, NAVID	3,216,960	ANTONI, GAETAN	3,216,660
A.L.M. HOLDING COMPANY	3,216,636	ALEVA, JOHN L.	3,216,551	ANTTILA, SAMI	3,216,565
A2A PHARMACEUTICALS, INC.	3,216,541	ALEXION PHARMA INTERNATIONAL OPERATIONS LIMITED	3,216,420	AOKI, KATSUSHI	3,216,141
AANES, MAGNE	3,216,686	ALEXIOU, AYSE ASATEKIN	3,216,282	AORABANIAN, LALEH	3,216,716
ABACO SYSTEMS, INC.	3,216,300	ALGIECEL APS	3,216,108	ARAKI, HIDEO	3,216,252
ABBOTT LABORATORIES	3,216,320	ALIZADEH, ARASH ASH	3,216,428	ARANDA-ORGILLES, BEATRIZ	3,216,563
ABBVIE INC.	3,216,378	ALIZADEHBIRJANDI, ELAHEH	3,216,781	ARCELOMINTAL	3,216,393
ABE, MASASHI	3,216,719	ALLEN, THADDEUS	3,216,785	ARELAC, INC.	3,215,988
ABEONA THERAPEUTICS INC.	3,216,533	ALLIDIERES, LAURENT	3,216,130	AREVALOS, CHRISTOPHER ALEX	3,216,153
ABIOMED, INC.	3,213,938	ALLIDIERES, LAURENT	3,216,135	ARIARATNAM, SUBAN	3,216,710
ABIONYX PHARMA SA	3,216,226	ALLNEX NETHERLANDS B.V.	3,216,261	ARKION LIFE SCIENCES, LLC	3,216,756
ABRAMS, KRISTIN	3,216,655	ALLNEX NETHERLANDS B.V.	3,216,549	ARLT, MATTHIAS	3,216,503
ABRY, CHRISTIAN	3,216,848	ALMEDHYCHY, ALI HASSAN	3,213,938	ARMINAK, ARMIN	3,216,212
ABYSALH, JONATHAN	3,216,407	ALMQUIST, JOACHIM	3,216,387	ARMSTRONG, MEGAN K.	3,216,163
ACADEMISCH ZIEKENHUIS LEIDEN	3,216,553	ALMQUIST, JOACHIM	3,216,395	ARMSTRONG, MEGAN K.	3,216,372
ACCELERATED SYSTEMS INC.	3,216,602	ALON, HAGGAI	3,216,340	ARNOUX, MATHILDE	3,216,605
ACCELERATED SYSTEMS INC.	3,216,624	ALON, MICHAL	3,216,276	ARONHIME, JUDITH	3,216,622
ACEP FRANCE	3,216,149	ALPINE IMMUNE SCIENCES, INC.	3,216,795	ARONOW, SEAN DOUGLAS	3,216,800
ACEP FRANCE	3,216,150	ALSBERG, KEITH	3,216,886	ARORA, MANISH	3,216,439
ACHARYA, SUNIL	3,216,557	ALTERMATT, PATRICK	3,215,987	ARORA, NEHA	3,216,202
ACIES BIO D.O.O.	3,216,243	ALTERYX, INC.	3,216,548	ARRANTA BIO HOLDINGS, LLC	3,216,136
ACT THERAPEUTICS LTD	3,216,195	ALTHAUS, KARINA	3,216,423	ARRCUS INC.	3,216,568
ADA COSMETICS INTERNATIONAL GMBH	3,216,484	ALTHEIA SCIENCE S.R.L.	3,216,175	ARRCUS INC.	3,216,581
ADAMA MAKHTESHIM LTD.	3,216,622	ALTNER, ANNA	3,216,485	ARRCUS INC.	3,216,587
ADARX PHARMACEUTICALS, INC.	3,216,732	ALTREUTER, DAVID	3,216,743	ARRCUS INC.	3,216,608
ADD ADVANCED DRUG DELIVERY TECHNOLOGIES LTD.	3,216,851	ALX ONCOLOGY INC.	3,216,908	ARRCUS INC.	3,216,613
ADIV TAL, OPHIR	3,216,102	AMATYA, SHIRISHA	3,216,353	ARRIGONI, GABRIELE	3,216,696
ADVICENNE	3,216,586	AMCOP RIGID PACKAGING	3,216,707	ARRIS ENTERPRISES LLC	3,215,998
AFFIMED GMBH	3,216,098	USA, LLC	3,216,607	ARTAUD, LAURENT	3,216,432
AGAN, ARASH	3,215,981	AMETEK, INC.	3,216,492	ARTHREX, INC.	3,216,633
AGRO BAG A/S	3,216,408	AMGEN INC.	3,216,539	ARTRYA LIMITED	3,216,263
AHMAD, SAMIR SALEH	3,216,818	AMGEN INC.	3,216,559	ARUMUGAM, BASKAR	3,216,043
AHN, KYOUNG HO	3,216,683	AMIDEI, SIMONE	3,216,640	AS AMERICA, INC.	3,216,963
AIRNOV, INC.	3,216,648	AMIGA, DAN	3,216,655	ASCORIUM GMBH	3,216,338
AKAHSHLI, ZAHER	3,216,638	AMINUDDIN, NORMAN	3,216,700	ASHALL-KELLY, ALEXANDER	3,216,863
AL AYESH, AHMED H.	3,216,751	AMOS, DALL GEORGE	3,216,885	ASKLEPIOS	
ALBRECHT, ANDREAS	3,216,377	MATTHEW	3,216,817	BIPHARMACEUTICAL, INC.	3,216,719
ALBRECHT, ANDREAS	3,216,488	AN, JINGYAN	3,216,837	ASTRAZENECA AB	3,216,387
ALCIR DE OLIVEIRA JUNIOR, BRAULIO	3,216,727	ANANTA, EDWIN	3,216,584	ASTRAZENECA AB	3,216,395
ALDER, HANSJUERG	3,216,165	ANDERSON, DOUGLAS	3,216,146	ASWAD, FRED	3,216,236
ALDERMAN, STEVEN LEE	3,216,265	ANDERSON, ERIN DANIELLE	3,216,800	ATACK, JOHN	3,216,863
ALDERMAN, STEVEN LEE	3,216,322	ANDERSON, TIMOTHY J.	3,216,085	ATAI THERAPEUTICS, INC.	3,216,889
ALDERMAN, STEVEN LEE	3,216,323	ANDREWS, SAMUEL S.	3,216,504	ATANAS MARINOV, KAMBUROV	
		ANJEM, ADIL	3,216,361		3,216,503
		ANSSARI, NEDA	3,216,580		

## Index of PCT Applications Entering the National Phase

ATLAS COPCO (WUXI) COMPRESSOR CO., LTD.	3,216,319	BARNETT-VANES, DR. ASHTON	3,216,067	BERCOVITZ, AMIR	3,216,567
ATTWAL, HARJEET	3,216,008	BARRECA, GIUSEPPE	3,216,325	BERGBREDE, TIM	3,216,716
AUBUSSON, ALASTAIR	3,216,854	BARRETT, PAUL	3,216,355	BERGER, SYLVAIN	3,216,305
AUSTRALIAN BRUSHWARE CORPORATION PTY LTD	3,216,475	BARRIL ALONSO, XAVIER	3,216,090	BERGERON, GEORGE	3,216,450
AVANT MEATS COMPANY LIMITED	3,216,242	BARROW, ROBERT	3,216,939	BERGES-VORSANGER, STEPHANIE	3,216,461
AVELOS THERAPEUTICS INC.	3,216,629	BARRY, ADRIAN G.	3,216,266	BERGTHORSON, JEFFREY	3,216,248
AVENDANO AMADO, MAIER STEVE	3,216,697	BASAR, RAFET	3,216,557	MYLES	3,216,720
AVERY, KENNETH L.	3,216,799	BASKAR, VIJAY KARTHICK	3,216,168	BERSAAS, AUDUN TRYGGGE	3,216,289
AVESTRUZ, AL-THADDEUS	3,216,426	BASSANI, SIMONE	3,216,289	HAUGEN	3,216,292
AXXIOM MANUFACTURING, INC.	3,216,891	BASTUG, EVE	3,216,080	BERTERAME, DOMENICO	3,216,823
AYYAT, KAMAL S.	3,216,264	BATARSEH, SAMEEH	3,216,751	BERTERAME, DOMENICO	3,216,235
AZOULAY, DAVID	3,216,618	BATTAGLIA, PETER WILLIAM	3,216,012	BERTI PEREZ, STEFANO	3,216,446
AZUMA, YUICHIRO	3,216,230	BATTELLE MEMORIAL INSTITUTE	3,216,359	BERTOLOTTI, UMBERTO	3,216,294
BACCEI, JILL MELISSA	3,216,545	BAUDNER, JULIAN	3,216,801	BETEK GMBH & CO. KG	3,216,670
BACCHETTI, LUCIANO	3,216,438	BAUER HOCKEY LTD.	3,216,673	BEYERS, KOEN CATHARINA	3,216,448
BACCONI, ANDREA	3,216,733	BAUMAN, BRIAN J.	3,216,838	LODEWIJK	3,216,510
BACHMAN, ERIC	3,216,703	BAUMGARDNER, GAYLON L.	3,216,636	BHAMRA, INDER	3,216,189
BACHMANN, STEPHAN	3,216,857	BAYER AKTIENGESELLSCHAFT	3,216,503	BIANCHINI, GIULIO	3,216,410
BACKFOLK, KAJ	3,216,689	BAYER OY	3,216,481	BIDARD, LOIC	3,216,201
BADER, BENJAMIN	3,216,503	BEAHM, BRENDAN	3,216,809	BIFFI, ALESSANDRA	3,216,866
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.	3,216,254	BEATTIE, STEPHEN	3,216,310	BIGLEY, AUSTIN	3,216,092
BAE SYSTEMS PLC	3,216,829	BECKETT, TREVOR	3,216,817	BIGOLIN, BARBARA	3,216,236
BAEK, KI SEON	3,216,629	BECTON DICKINSON FRANCE	3,216,115	BILLINGS, DANIAL	3,216,488
BAGHDADI, AMIR	3,216,635	BECTON, DICKINSON AND COMPANY	3,216,685	BILLOIS, SEBASTIEN	3,216,137
BAI, XINHAO	3,216,444	BECKTON, DICKINSON FRANCE, S.A.	3,216,118	BIOAGE LABS, INC.	3,216,448
BAILEY, LISA	3,216,685	BEDFORD, EDWARD ALEXANDER	3,216,291	BIOCODEX	3,216,822
BAKCHOUL, TAMAM	3,216,139	BEGUIN, ESTELLE	3,216,743	BIOGEN MA INC.	3,216,408
BAKCHOUL, TAMAM	3,216,423	BEIGHLEY, ROSS	3,216,764	BIOMICA LTD.	3,216,676
BAKER HUGHES OILFIELD OPERATIONS LLC	3,216,745	BEIJING DABEINONG BIOTECHNOLOGY CO., LTD.	3,216,814	BIOTYPE GMBH	3,216,496
BAKER HUGHES OILFIELD OPERATIONS LLC	3,216,766	BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM &		BIRD, JASON	3,216,006
BAKER HUGHES OILFIELD OPERATIONS LLC	3,216,774	BEIJING RESEARCH INSTITUTE OF CHEMICAL		BIRKEDAL, MADS	3,216,882
BAKER, MICHAEL	3,216,206	CORPORATION	3,216,518	BIRNBAUM, MICHAEL	3,216,217
BAKKER, LANCE LAMBERTUS PETER	3,216,199	BEIJING RESEARCH INSTITUTE OF CHEMICAL		BISHOP, BRIAN	3,216,248
BALDING, PHILIP	3,216,735	CORPORATION	3,216,837	BJORKGREN, VICTOR	3,216,623
BALDWIN, ALEX	3,216,863	BEIJING ROBOROCK TECHNOLOGY CO., LTD.	3,216,986	BLACK SAND TECHNOLOGY, LLC	3,216,109
BALESTRA, RICHARD	3,216,432	BELANGER, INC.	3,216,441	BLACK, SHAWN	3,216,806
BALLINGER, KENNETH E.	3,216,756	BELGRAVIA WOOD LIMITED	3,216,157	BLAIR, PAUL	3,216,642
BANKOLE, OLUWAKEMI	3,216,542	BELL, EDWARD DAVID	3,216,217	BLANCHARD, CURTIS H.	3,216,394
BANOGLU, ERDEN	3,216,541	BELL, NEIL	3,216,430	BLANCHARD, DANIEL B.	3,216,557
BANZATO, MARCO	3,216,480	BELL, RUSSELL E.	3,216,886	BLANCHET, JOCELYN	3,216,487
BAO, JINFENG	3,216,890	BELLANI, GIACOMO	3,216,516	BLATNIK, MICHAEL T.	3,216,679
BAO, XIAOMING	3,216,814	BENCK, JESSE D.	3,216,257	BLAZEK, MATTHIAS	3,216,880
BAOSHAN IRON & STEEL CO., LTD.	3,216,916	BENHIDA, RACHID	3,216,385	BLENNOW, BENGT PETER	3,216,777
BARAKAT, HORACIO	3,216,532	BENINGA, JOCHEN	3,216,005	GUSTAV	3,216,557
BARANOWSKA, WERONIKA	3,216,376	BENNETT, CAVAN	3,216,859	BLUCON BIOTECH GMBH	3,216,866
BARBARAS, RONALD	3,216,226	BENNETT, SHELDON	3,216,333	BLUE PHOTON TECHNOLOGY & WORKHOLDING	3,216,156
BARD ACCESS SYSTEMS, INC.	3,216,217	BENNETTE, NATHAN	3,216,640	BOAL, ANDREW K.	3,216,365
BARD, JONATHAN	3,216,753	BENOIT-LIZON, ANTONIN	3,216,666	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS	3,216,365
BARDEN, TIMOTHY CLAUDE	3,216,127			BOBUSCH, BERNHARD	3,216,487
BARMETTLER, JAMES	3,216,188			BODDU, VENKATESWARA RAO	3,216,164
				BOEHRINGER INGELHEIM INTERNATIONAL GMBH	

## Index des demandes PCT entrant en phase nationale

BOEHRINGER INGELHEIM INTERNATIONAL GMBH	3,216,222	BROUWER, ERIK	3,215,996	CANICH, JO ANN M.	3,216,256
BOEHRINGER INGELHEIM INTERNATIONAL GMBH	3,216,507	BROWERS, JACK A.	3,216,504	CANICH, JO ANN M.	3,216,266
BOER, WILLEM HAJE	3,216,199	BROWN, UNIVERSITY	3,216,828	CAO, LAN	3,216,369
BOGDAN-SMIGIELSKA, EWELINA	3,216,376	BROWN, DAVID	3,216,425	CAO, XIAOLI	3,216,303
BOGNAR, ZSOLT	3,216,301	BROWN, GILES ALBERT	3,216,693	CAPITAL ONE SERVICES, LLC	3,216,206
BOIKE, LYDIA	3,216,614	BROWN, JEREMY	3,216,223	CAPITAL ONE SERVICES, LLC	3,216,450
BOLLMAN, BROOKE	3,216,490	BROYLES, STUART E.	3,215,068	CAPRON, CHARLES	3,216,164
BONARDI, LUCA	3,216,412	BRUCE, NEIL	3,216,003	CAPSIDA, INC.	3,216,172
BONDARENKO, PAVEL	3,216,700	BRUCELLE, FRANCOIS	3,216,773	CAPTIVE-AIRE SYSTEMS, INC.	3,216,758
BONNAIN, JEAN-CHRISTOPHE	3,216,418	BRUMER, STEVEN NORMAN	3,216,835	CARBON TECHNOLOGY HOLDINGS, LLC	3,216,762
BOON, JURRIAAN	3,216,101	BRYANT, CAMERON MICHAEL	3,216,311	CARBON TECHNOLOGY HOLDINGS, LLC	3,216,793
BOOTWALA, MUSTAFA JUZER	3,216,001	BRYANT, JASON	3,216,452	CARBONFREE CHEMICALS HOLDINGS, LLC	3,216,473
BOREALIS AG	3,216,377	BUCH, IDIT	3,216,102	CARCONA, LUCA	3,216,325
BOREALIS AG	3,216,488	BUCHHOLZ, URSULA J.	3,216,466	CAREDX, INC.	3,216,760
BORTOLIN, MARINA	3,216,075	BUCHOLZ, TRACY	3,216,361	CAREFUSION 303, INC.	3,216,781
BOSCHMAN TECHNOLOGIES BV	3,215,996	BUCHTER, SCOTT	3,216,331	CARFI, ANDREA	3,216,490
BOSE CORPORATION	3,216,878	BUCKLEY, MICHAEL	3,216,160	CARLSON, BRENT	3,216,237
BOSMANS, GEERTRUI	3,216,797	BUCURESTEANU, RAZVAN-CATALIN	3,216,525	CARR, ANDREW MICHAEL	3,216,245
BOSTON SCIENTIFIC SCIMED, INC.	3,216,169	BUHLMANN, PHILIPPE PIERRE JOSEPH	3,216,812	CASSANO, PAOLO	3,216,829
BOSTON SCIENTIFIC SCIMED, INC.	3,216,658	BUHR, WILM	3,215,987	CASSIDY, JAMES S.	3,216,389
BOUD, ADAM J.	3,216,685	BUIE, CULLEN	3,216,764	CASSIDY, JAMES S.	3,216,163
BOUKAMP, MARTINA	3,216,411	BUILD IP LLC	3,216,637	CASTANEDA, ANTHONY	3,216,372
BOULOS, CATHERINE S.	3,216,535	BUIN, ANDREI	3,216,602	CATERPILLAR INC.	3,216,739
BOURE, JEAN-PHILIPPE	3,216,305	BULOW, LEIF	3,216,677	CATTINARI, GIANLUCA	3,216,556
BOURQUE, GILLES	3,216,248	BUNTING, JACKIE O.	3,216,880	CAULMARE, JOHN	3,216,823
BOUWERS, JANTJE	3,216,411	BUNTING, RAD TAYLOR	3,216,806	CAVALCANTI, JONATHAN	3,216,144
BOWE, MICHAEL	3,216,279	BURCK ZALTZMAN, MICHAL	3,216,340	CAYABYAB, RONALDO C.	3,216,190
BOYLES, NICHOLAS A.	3,216,800	BURKHOLZ, SCOTT	3,216,268	CDTI ADVANCED MATERIALS INC.	3,216,876
BOYNE, MICHAEL	3,216,867	BURNETT, CASSANDRA	3,216,882	CELANESE EVA	3,216,724
BRABETZ, WERNER	3,216,676	BUSATTA, NICOLA	3,216,216	PERFORMANCE POLYMERS LLC	3,216,832
BRADLEY, ARTHUR	3,216,043	BUSCH-LARSEN, HENRIK	3,216,108	CELECTIS S.A.	3,216,563
BRAINPOP IP LLC	3,216,366	BUSS, NICHOLAS	3,216,744	CENTRE HOSPITALIER	3,216,784
BRAMPTON, TOBY	3,216,876	BUTEAU, RICHARD	3,216,168	UNIVERSITAIRE DE MONTPELLIER	
BRANCH, CRAIG	3,216,425	BUTTIGNOL, STEFANO	3,216,528	CENTRE NATIONAL DE LA RECHERCHE	
BRAND, STEPHEN	3,216,863	BYRNE, JULIA	3,216,886	SCIENTIFIQUE (CNRS)	3,216,784
BRATULIC, SINI?A	3,216,733	C.R. BARD, INC.	3,216,817	CENTRE NATIONAL DE LA SCIENTIFIQUE	
BRAUON, HAIM	3,216,861	CAFARO, RENEE	3,216,728	CEPIN, MITJA	3,216,385
BRAVO, YALDA	3,216,545	CAHANA, AVIAD	3,216,413	CERAMIC DATA SOLUTIONS	3,216,484
BRAZAO, EDUARDO CORREIA DA SILVA	3,216,835	CAI, SUI XIONG	3,216,489	GMBH	3,216,143
BREHMER, ANNIKA	3,216,487	CAI, YUANBIN	3,216,444	CESTONI, HUNTER	3,216,166
BRENNER, CATHERINE	3,216,227	CAIS, FEDERICO	3,216,216	CHABERSKI, EVAN	3,216,380
BRET, CAROLINE	3,216,784	CALAFAT, STEPHANIE	3,216,660	CHABON, JACOB J.	3,216,428
BRIDEWELL, VICTORIA	3,216,546	CALDWELL, WILLIAM BRETT	3,216,640	CHAKAR, FADI SELIM	3,216,723
BRIDEWELL, VICTORIA	3,216,550	CALISKAN, BURCU	3,216,541	CHAKRABARTI, ANJAN K.	3,213,938
BRIDEWELL, VICTORIA	3,216,555	CALL, CASEY BENNET	3,216,347	CHAKRABORTY, ABHISHEK	3,216,140
BRIMERT, THOMAS	3,216,365	CALLEBAUT, JOSHUA	3,216,802	CHAMBERLAIN, PAUL	3,216,043
BRINKHUIS, RICHARD HENDRIKUS GERRIT	3,216,261	CALLEGARO, LANFRANCO	3,216,510	CHAN, KAI YI CARRIE	3,216,242
BRINKHUIS, RICHARD HENDRIKUS GERRIT	3,216,549	CAMBRIUM ONCOLOGY LLC	3,216,694	CHANDRA MOULI, SUMANA	3,216,206
BRITTAIN, HARRY G.	3,216,616	CAMENA BIOSCIENCE LIMITED	3,216,430	CHANDRAN, RAJ	3,216,490
BRIZGYS, GEDIMINAS J.	3,216,372	CAMERON, BEATRICE	3,216,005	CHANG, CHUNYU	3,216,320
BROADRIDGE FINANCIAL SOLUTIONS, INC.	3,216,532	CAMP, NICHOLAS	3,216,243	CHANG, LONG-SHENG	3,216,656
BROSTOW, GABRIEL J.	3,216,181	CANEQUE COBO, TATIANA	3,216,784	CHAPLIN, BORIS	3,216,712
		CANGIOLI, FRANCESCO	3,216,289		3,216,122
		CANGIOLI, FRANCESCO	3,216,292		
		CANGIOLI, FRANCESCO	3,216,639		

## Index of PCT Applications Entering the National Phase

CHAPLIN, BORIS	3,216,238	CHONGQING MIDEA	COOPERVISION	
CHAPPELL, RYAN	3,216,796	GENERAL REFRIGERATION	INTERNATIONAL LIMITED	3,216,043
CHARIZANIS, KONSTANTINOS	3,216,328	EQUIPMENT CO., LTD.	CORBEIL, JEAN-FRANCOIS	3,216,673
CHATENET, DAVID	3,216,725	CHOU, CHIENHUNG	CORIN, MARCUS	3,216,485
CHATURVEDI, SONALI	3,216,708	CHOU, CHIENHUNG	CORNING INCORPORATED	3,216,893
CHAU, NATALIE	3,216,825	CHRISTENSON, PETER	COSI, LORENZO	3,216,650
CHDI FOUNDATION, INC.	3,216,753	CHRISTIE, DANE ALPHANSO	COSTIN, JAMES C.	3,216,783
CHE, JIANWEI	3,216,260	CHRISTIE, ROBERT	COTTELL, JEROMY J.	3,216,163
CHEMETALL GMBH	3,216,610	CHROMIK, ANDREAS	COTTET, ANTOINE	3,216,144
CHEMOENTRYX, INC.	3,216,874	CHU, KAILE	COULBECK, ELLIOT	3,216,354
CHEN, AUSTIN CHIH-YU	3,216,545	CHUNG, KENNETH	COULOMBEAU-LEROY,	
CHEN, CHUN-CHI	3,216,820	CHYTIL, LUKAS	HELENE	3,216,427
CHEN, JIAN	3,216,148	CINTORA GONZALEZ, OCTAVIO	COUR PHARMACEUTICALS	
CHEN, JOSHUA	3,216,389	CINTRAT, JEAN-CHRISTOPHE	DEVELOPMENT	
CHEN, JUNZHENG	3,216,741	CIPOLLONE, JOSEPH	COMPANY INC.	3,216,867
CHEN, LIEN-FEI	3,216,208	CISNEROS, ANSELMO T. JR.	COUSTHAM, THOMAS	3,216,427
CHEN, MINGLU	3,216,095	CITROX BIOSCIENCES LIMITED	COUTTEAU, STEVEN	
CHEN, PING CHOU	3,216,538	CIVI BIOPHARMA, INC.	CHARLES	3,216,465
CHEN, PING CHOU	3,216,540	CLAASE, GARETH	COWLEY, AARON BLAKE	3,216,136
CHEN, SHUANG	3,216,397	CLAASSEN, HUBERT WILHEM PETRUS	CREASY, ARCH DAVID	3,216,222
CHEN, SHUHUI	3,216,095	CLARK EQUIPMENT COMPANY	CRINETICS	
CHEN, XIAOHONG	3,216,800	CLARK, CALVIN	PHARMACEUTICALS, INC.	3,216,457
CHEN, XIAOXIN	3,216,630	CLEAN PLANT PTY LTD	CRISPET, SIMON	3,216,130
CHEN, YANQUAN	3,216,471	CLEMENT, PASCALE	CRISPET, SIMON	3,216,135
CHEN, YEN-LIN	3,216,219	CLIFTON, CASEY	CRITICAL INFRASTRUCTURE TECHNOLOGIES PTY LTD	3,216,714
CHENG, CHIH-YU	3,216,561	CNH INDUSTRIAL AMERICA LLC	CROSS TECHNOLOGY LABO	
CHENG, CHIH-YU	3,216,377	COCHARD, JEAN-PATRICK	CO., LTD.	3,216,113
CHENG, JOY JIE	3,216,755	COELHO, LUCAS	CROWN EQUIPMENT CORPORATION	3,216,739
CHENG, RUJIN	3,216,785	COFFIN, AARON	CRRC QINGDAO SIFANG CO., LTD.	
CHENGDU ANTICANCER BIOSCIENCE, LTD.	3,216,131	COHEN, EMMA SUZANNE	CRUISTE, PATRICIA	3,216,148
CHESTER, NICHOLAS	3,216,256	COHET, FRANCOIS	CRUZ, EMMANUEL	3,216,353
CHEVRON ORONITE COMPANY LLC	3,216,266	COELHO, LUCAS	CS MEDICA A/S	3,216,541
CHEVRON ORONITE COMPANY LLC	3,216,833	COFFIN, AARON	CS MEDICA A/S	3,216,543
CHEVRON U.S.A. INC.	3,216,387	COHEN, EMMA SUZANNE	CSER, TAMAS	3,216,627
CHIA, YEN LIN	3,216,395	COHN, STEPHEN T.	CUE BIOPHARMA, INC.	3,216,440
CHIA, YEN LIN	3,216,257	COLBERT, ASHLEE J.	CUE BIOPHARMA, INC.	3,216,273
CHIANG, YET-MING	3,216,820	COLLIER, ISAAC J.	CUI, XIAOFAN	3,216,278
CHIEN, WEI-JUNG	3,216,163	COLLINGE, MICHAEL	CULLEN, SEAN	3,216,426
CHIN, ELBERT	3,216,372	COLLINS, PETER L.	CULLY, EDWARD H.	3,216,159
CHIN, ELBERT	3,216,819	COLQUHOUN, HELEN ANNE	CULLY, EDWARD H.	3,215,068
CHIN, HYUN JUNG	3,216,242	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	CYBIN IRL LIMITED	3,216,421
CHIN, PO SAN MARIO	3,216,233	CONGREVE, MILES STUART	CYTIVA BIOPROCESS R&D AB	3,216,799
CHINA PETROLEUM & CHEMICAL CORPORATION	3,216,518	CONSTELLATION PHARMACEUTICALS, INC.	CZERWINSKI, KEN	3,216,901
CHINA PETROLEUM & CHEMICAL CORPORATION	3,216,837	CONTINENTAL AUTOMOTIVE TECHNOLOGIES GMBH	D'ALESSIO, JOSEPH	3,216,437
CHINA PETROLEUM & CHEMICAL CORPORATION	3,216,365	CONTINENTAL AUTOMOTIVE TECHNOLOGIES GMBH	ANTHONY	3,216,880
CHITTIMALLA, SANTHOSH KUMAR	3,216,219	CONTINI, MARIO	D'ANGELO, ANTHONY	3,216,741
CHIU, CHEN-KAI	3,216,561	CONVATEC LIMITED	D'ANNIBALE, JARROD	3,216,452
CHIU, CHEN-KAI	3,216,670	CONVATEC LIMITED	D'HOOORE, LAURENS	
CHMELIK, DAVID	3,216,511	CONVATEC LIMITED	ALEXANDER	3,216,283
CHO, HYOK JUN	3,216,704	CONVATEC LIMITED	D'ORTON GIBSON, REUBEN	3,216,429
CHOI, SEUNG YEON	3,216,629	COOPER, DAVID P.	D'ORTON GIBSON, REUBEN	3,216,431
CHOI, SOONGYU	3,216,716		D4 LABS, LLC	3,216,279
CHOIDAS, AXEL			DACOSTA, ALBERT	3,216,167
			DAFNI, RON	3,216,340
			DAHER, MAY	3,216,557
			DAHL, PER JUUL	3,216,298
			DAHLSTROM, ANDREAS	3,216,309
			DAIKEN CORPORATION	3,216,124

## Index des demandes PCT entrant en phase nationale

DAISH, CHRISTIAN	3,216,160	DHE-PAGANON, SIRANO	3,216,260	DWIVEDI, GIRISH	3,216,263
DAMES, SIBYLLE	3,216,859	DI BARI, CHIARA	3,216,687	DYLEWSKI, EUGENE A. II	3,216,551
DAMIGELLA, JOSEPH	3,216,291	DI LUCREZIA, RAFFAELLA	3,216,716	DYNELECTRO APS	3,216,899
DANA FARBER CANCER INSTITUTE, INC.	3,216,260	DI PIERRO, SIMONPIETRO	3,216,442	E INK CORPORATION	3,216,219
DANA FARBER CANCER INSTITUTE, INC.		DIAMOND THERAPEUTICS INC.		E INK CORPORATION	3,216,561
DANDAPURE, YOGENDRA V.	3,216,280	DIAS, ANUSHA	3,216,456	EAST, LILLY	3,216,839
DANFOSS A/S	3,216,653	DICO TECHNOLOGIES S.R.L.	3,216,407	EBERHARD KARLS	
DANIEL, MICHAEL S.	3,216,890	DIEHN, MAXIMILIAN	3,216,516	UNIVERSITAET	
DANOS, OLIVIER	3,216,322	DIKIC, VLADIMIR	3,216,428	TUEBINGEN	
DANOUM, KAISSA	3,216,744	DILLARD, PIERRE	3,216,101	MEDIZINISCHE	
DANOVA, KLARA	3,216,154	DILLON, BRYAN	3,216,720	FAKULTAET	3,216,423
DAPROCIDA, DOMENICO	3,176,985	DILLON, STACEY	3,216,658	EBLAGON, FERNANDO	
DARLING INGREDIENTS INC.	3,216,713	DILLON, TIMOTHY	3,216,795	ANDRES	3,216,307
DARLING INGREDIENTS INC.	3,216,718	DING, XIAOHONG	3,215,998	ECKERT, CHASE A.	3,216,266
DATWYLER, SAUL	3,216,320	DIONIGI, GIUSEPPE	3,216,002	ECKERT, JURGEN	3,216,334
DAUGAARD, DAREN	3,216,762	DIPIERRO, GUY	3,216,197	ECKLUND, BRIAN J.	3,216,535
DAUGAARD, DAREN	3,216,793	DIRECT CARBON AB	3,216,663	ECKMANN, JAN	3,216,220
DAVAILLON, EMMANUEL	3,216,418	DIREKCI, FATIH	3,216,318	ECOLE POLYTECHNIQUE	
DAVE. HITESHKUMAR	3,216,493	DISKO, JEFFRY	3,216,741	FEDERALE DE LAUSANNE (EPFL)	3,216,301
DAVIDSON, BEVERLY	3,216,591	DMG BLOCKCHAIN SOLUTIONS INC.	3,216,333	EDISON, BRENDAN	3,216,239
DAVIS, ANTHONY	3,216,174	DOBSON, CONNOR	3,216,882	EDITFORCE, INC.	3,216,313
DAVIS, MICHAEL	3,216,217	DOGUE, JOSEPH	3,216,167	EDL ANLAGENBAU	
DAWADI, SURENDRA	3,216,800	DOHERTY, THOMAS V.	3,216,861	GESELLSCHAFT MBH	3,216,339
DAY, CHI-PING	3,216,228	DOMINGUEZ, CELIA	3,216,753	EDMUNDSON, MARK D.	3,215,068
DE BEER, ANTONIUS LAMBERTUS JOHANNES	3,216,527	DOMINGUEZ, KYLE	3,216,257	EDDSTROM, ANDERS	3,216,663
DE BEST, CARLO JACOBUS JOHANNES MARIA		DOMPE' FARMACEUTICI S.P.A.		EDWARDSSON, GUNNAR	3,216,485
DE LEON, STEVEN JIM	3,216,906	DONG, QING	3,216,197	EDWARDS LIFESCIENCES	
DE MATOS, CHRISTOPHE	3,216,633	DONG, WENQIAN	3,216,373	CORPORATION	3,216,465
DE NEIVA MOURA BASTOS, RUI FRANCISCO	3,216,144	DONG, XIAOMING	3,216,233	EDWARDS LIFESCIENCES	
DE NORA WATER TECHNOLOGIES, LLC		DONG, YIZHOU	3,216,916	EDWARDS LIFESCIENCES	
DE POORTERE DECO SA	3,216,307	DONGBAO PURPLE STAR (HANGZHOU)	3,216,761	INNOVATION (ISRAEL) LTD.	3,216,861
DE RICK, JAN	3,216,777	BIOPHARMACEUTICAL		EDWARDS, DAN	3,216,348
DE RUTTE, JOSEPH	3,216,815	CO., LTD	3,216,757	EDWARDS, JEFF	3,216,223
DEANGELO, DOMINIC	3,216,414	DONNELLY, DAVID	3,216,447	EDWARDS, MICHAEL J.	3,216,623
DEDIONISIO, TONY	3,215,070	DONNELLY, DAVID	3,216,454	EGSGAARD PEDERSEN, THOMAS	3,216,899
DEEPMIND TECHNOLOGIES LIMITED	3,216,688	DONOVAN, KATHERINE	3,216,280	EISENACH, REBECCA MARIE	3,216,883
DEGUSSA BANK AG	3,216,452	DORON, ADAM ITZHAK	3,216,029	ELANTAS EUROPE GMBH	3,216,398
DELAWARE CAPITAL FORMATION, INC.	3,216,012	DOUCET, NICOLAS	3,216,725	ELASTIC POTENTIAL, S.L.	3,216,269
DELEVATI, GIANCARLOS	3,216,334	DOVALA, DUSTIN LEARD	3,216,614	ELDAR-LISSAI, ADI	3,216,542
DELUCIA, NICHOLAS	3,216,080	DOVERSKOG, MAGNUS	3,216,680	ELEJALDE, CESAR	3,216,376
DELUCIA, NICHOLAS	3,216,268	DOWNEY, RYAN D.	3,216,254	ELEY, TAYLOR MATTHEW	3,216,217
DEMPFLE, JONAS	3,216,277	DRAHEIM, IAN ALAN	3,216,723	ELHOFY, ADAM	3,216,867
DENG, JING	3,216,610	DREISINGER, DAVID	3,216,214	ELI LILLY AND COMPANY	3,216,326
DENISON, RAY	3,216,773	DRK-BLUTSPENDEDIENST BADEN-WURTTEMBERG-HESSEN GGMBH	3,216,139	ELIAD, LINOAM	3,216,562
DENMAN, KYLE	3,216,739	DSM IP ASSETS B.V.	3,216,672	ELKINS, JAKE	3,216,839
DENNYS-RIVERS, CASSANDRA NICOLE	3,216,637	DSM IP ASSETS B.V.	3,216,674	ELLIS, LEAH D.	3,216,257
DENTAL MANUFACTURING UNIT GMBH	3,216,711	DU, YUANLONG	3,216,190	ELVINGTON, MICHELLE LYNN	3,216,433
DENTAL MANUFACTURING UNIT GMBH	3,216,647	DUBIELLA, CHRISTIAN	3,216,600	ELYPTA AB	3,216,733
DESMARAIS, MATTHEW	3,216,892	DUBINS, JEFFREY S.	3,216,407	ELYYSIS LIMITED PARTNERSHIP	3,216,073
DEV, BODHAYAN	3,216,780	DUELUND, MAJA		EMD MILLIPORE	
DEVENPORT, MARTIN	3,216,168	SLYNGborg	3,216,853	CORPORATION	3,216,823
DEVIN, JULIE	3,216,324	DUFaux, FREDERIC	3,216,786	EMENDOBIO INC.	3,216,102
DEXCOM, INC.	3,216,784	DUFIES, MAEVA	3,216,385	EMORY UNIVERSITY	3,216,679
	3,216,188	DUNCAN, JEFFREY B.	3,215,068	EMORY UNIVERSITY	3,216,694
		DUONG, ANTHONY D.	3,216,359	EMRICK, MARK	3,216,451
		DURAND, JULIEN	3,216,154	EMSLAND STARKE GMBH	3,216,411
		DURRE, GREGOR	3,216,487	ENCAPSYS, LLC	3,216,723
		DWIGHT, SELINA	3,216,809	ENDO, TAISUKE	3,216,416

## Index of PCT Applications Entering the National Phase

ENGLANDER, MARIA	3,216,485	FAYER, THOMAS	3,216,135	FRESENIUS MEDICAL CARE
ENGLISH, HEJIAO	3,216,228	FDX FLUID DYNAMIX GMBH	3,216,487	HOLDINGS, INC.
ENSLEY, EMILY	3,216,557	FEENEY, FERGAL	3,216,429	FRESENIUS MEDICAL CARE
ENTERPRISE SENSOR SYSTEMS, LLC	3,216,742	FEENEY, FERGAL	3,216,431	HOLDINGS, INC.
EPSILON COMPOSITE	3,216,499	FELDMAN, THOMAS	3,216,391	FRIED, TRACY LEANNE
ERGON ASPHALT & EMULSIONS, INC.	3,216,636	FELDMAN, THOMAS	3,216,392	FRIEDERICHS, HEIKO
ERICKSON, CHRISTOPHER	3,216,722	FELICE, PHILIP V.	3,216,616	FRIEDMAN, NATHAN L.
ERIK, OTHEL-JACOBSEN	3,216,460	FERNANDES, KEIZA	3,216,398	FRIEDMAN, NIR (DECEASED)
ERKELENZ, MICHAEL	3,216,503	FERNANDEZ, AUDRY	3,216,491	FRIESS, THOMAS
ERZEN, KLEMEN	3,216,295	FERRER, DENIS	3,216,499	FRITZ EGGER GMBH & CO.
ERZEN, KLEMEN	3,216,657	FERRETTI, ANDREW P.	3,216,553	OG
ESAREY, SAMUEL LOGAN	3,216,126	FESSLER, BORIS	3,216,880	FRUCHEY, ERIN R.
ESBJORNER WINTERS, ELIN	3,216,383	FETTES, ALEC	3,216,857	FUHSE, CHRISTIAN
ESCURIET, SEGIO	3,216,354	FILipi, ivan	3,215,995	FUJIFILM CORPORATION
ESHAR, SHIRI	3,216,132	FIRMAN, MICHAEL DAVID	3,216,181	FUJII, KAYO
ESTES, BRAM	3,216,559	FIRSTENBERG, MICHAL	3,216,340	FUJIMORI KOGYO CO., LTD.
ETHICON, INC.	3,216,397	FISCELLA, MICHELE	3,216,744	FUJS, ?TEFAN
ETHOX CHEMICALS, LLC	3,216,463	FISCHER, ERIC S.	3,216,280	FUKAYA, TSUYOSHI
EURLINGS, JOHANNES THEODORUS GERARDUS MARIE	3,216,399	FISCHL, MARK	3,216,451	FUKUDA, YUTO
EURLINGS, JOHANNES THEODORUS GERARDUS MARIE	3,216,906	FITZGERALD, HILARY	3,216,437	FUKUNAGA, HIROFUMI
EVANS, MARCUS PAUL	3,216,841	FITZPATRICK, KELLY	3,216,655	FUNCTIONIZE, INC.
EVANS, TIMOTHY D.	3,216,833	FLACE, ANNA	3,215,987	FUNDACIO PRIVADA
EVANS, WILLIAM PAUL	3,216,841	FLACK, JULIEN	3,216,263	INSTITUT
EVERS, RYAN	3,216,169	FLANAGAN, NEIL JOHN	3,216,693	D'INVESTIGACIO
EXCOFFON, KATHERINE	3,216,495	FLANIGAN, KEVIN	3,216,712	ONCOLOGICA DE VALL
EXXONMOBIL CHEMICAL PATENTS INC.	3,216,256	FLEMING, CHRISTINA	3,216,001	HEBRON
EXXONMOBIL CHEMICAL PATENTS INC.	3,216,266	FLESCH, GERARD	3,216,512	FURLAN, ALBERTO
EXXONMOBIL CHEMICAL PATENTS INC.	3,216,754	FLIESS, MARIO	3,216,678	GABRIEL, DORIS
EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY	3,216,085	FLOORING INDUSTRIES	3,216,414	GAGLIONE, STEPHANIE
F. HOFFMANN-LA ROCHE AG	3,216,220	LIMITED, SARL	3,216,463	GAGNE, RAPHAEL
F. HOFFMANN-LA ROCHE AG	3,216,857	FLORATEK PHARMA SA	3,216,506	GAGNER, MICHEL
FABIANO, ROBERTO	3,216,315	FLOW PHARMA INC.	3,216,268	GALARZA, SUALYNETH
FALKENBERG-GUSTAFSSON, MARIA	3,216,716	FLOW PHARMA INC.	3,216,277	GALDEANO CANTADOR,
FALLON, JIM	3,216,335	FLOYD, WILLIAM C., III	3,216,463	CARLOS
FAN, BIN	3,216,755	FLYTZANIS, NICHOLAS C.	3,216,172	GALESLOOT, EDUARD
FAN, LILI	3,216,448	FLYU, PASSANG TENSING	3,216,694	ANDREAS
FAN, LIQIONG	3,216,880	FOCKEN, INGO	3,216,005	GALLUD, AUDREY
FAN, MENGYANG	3,216,260	FOGHORN THERAPEUTICS	3,216,773	GAMBERI, FRANCESCO
FAN, PINGCHEN	3,216,874	INC.	3,216,658	GAMBERT, ROLF
FAN, XIAOHU	3,216,173	FOLAN, MARTYN	3,216,863	GAMMADELTA
FAN, ZHIJUN	3,200,574	FOLEY, DAVID	3,216,875	THERAPEUTICS LTD
FANCA-BERTHON, PASCALE ELIZABETH RENEE	3,216,660	FORGET, ANTHONY	3,216,883	GAN, MING
FANG, DEYU	3,216,296	FORM ENERGY, INC.	3,216,833	GANESAN, RAJKUMAR
FANG, YUANYUAN	3,216,518	FORMEL, MATTHEW D.	3,216,639	GANNON, WILLIAM J.
FANTASIA, SERENA MARIA	3,216,857	FORMICHINI, MARCO	3,216,649	GANSHOF VAN DER
FARINHA, ALBERT	3,216,870	FORTER LTD	3,216,236	MEERSCH, NICOLAS
FARINON, RUDI	3,216,338	FORTNEY, KRISTEN	3,216,618	GAO, BEIXUE
FARONE, WILLIAM A.	3,216,413	PATRICIA	3,216,739	GAO, HUANXIN
FARRAR, WAYNE	3,216,291	FOX, HARRY	3,216,735	GAO, LI
FAVUSEAL AS	3,216,500	FRADY, JAMISON	3,216,833	GAO, RONG
FAYER, THOMAS	3,216,130	FRANCAIS, ANTOINE	3,216,104	GAO, WENJIN
		FRANCE, JAMES	3,216,226	GARAHAN, JOHN
		FRANOVIC, ALEKSANDRA	3,216,487	GARBERN, JESSICA
		FRANZIN, ROSSANA	3,216,199	GARCES, FERNANDO
		FRAUNHOFER-	3,216,487	GARCIA MOLINA, GARY N.
		GESELLSCHAFT ZUR	3,216,199	GARCIA PALMER, HECTOR
		FORDERUNG DER	3,216,199	GARCIA, MARIANO
		ANGEWANDTEN	3,216,199	GARCIA, PAULO ANDRES
		FORSCHUNG E.V.	3,216,720	GARDAI, SHYRA
		FRAX CERVERA, JOEL	3,216,199	GARVIN, CHRISTOPHER J.
		FREDRIKSEN, AGNETE	3,216,720	GASTAUER, PAUL
		BRUNSVIK	3,216,183	GATTO, FRANCESCO
		FRESENIUS MEDICAL CARE	3,216,183	GAVAN, REBECCA
		DEUTSCHLAND GMBH		

## Index des demandes PCT entrant en phase nationale

GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.	3,216,249	GONG, CHUAN GONG, DANYANG GOOGLE LLC	3,200,574 3,216,559 3,216,133	GUO, FUMIN GUO, HAIFENG GUO, SULI	3,216,448 3,200,574 3,216,011
GE, SHANSHAN GECKO GLAZING LTD.	3,216,249 3,216,349	GORDON, PAUL GORDON, PAUL	3,216,471 3,216,122	GUPTA, CHERRY GUPTA, SAHIL	3,216,359 3,216,120
GEIFMAN, JONATHAN GEISTLICH PHARMA AG	3,216,562 3,216,783	GORDON, PAUL GORSKI, MARK	3,216,238 3,216,255	GUSTAFSSON, CLAES GUSTAFSSON, MARCUS	3,216,716 3,216,006
GELMART INDUSTRIES, INC.	3,216,080	GOTO, YASUTO	3,216,734	GUTIERREZ, EDGAR	3,216,530
GENERAL ELECTRIC RENOVABLES ESPANA, S.L.	3,216,199	GOTTLIEB, AMOS GOU, QINGQIANG GR ENERGY SERVICES MANAGEMENT, L.P.	3,216,617 3,216,837	GW RESEARCH LIMITED GW RESEARCH LIMITED GYANANI, VIJAY	3,216,179 3,216,180 3,216,832
GENERATION BIO CO.	3,216,585	GRABER, COLIN	3,216,311	H. LEE MOFFITT CANCER CENTER AND RESEARCH	
GENKORE INC.	3,216,819	GRACE SCIENCE, LLC	3,216,181	INSTITUTE, INC.	3,216,691
GENTILS, MARIKA GENZEL, ALEXANDER	3,216,154 3,216,912	GRADY, LEO	3,216,809 3,216,960	HAAS, MICHAEL	3,216,686
GERBASI, MARGARET ELIZABETH	3,216,542	GRAFF, MARK C.	3,216,779	HAAVANLAMMI, ARTO	3,216,306
GERDES, JURGEN GESUALDO, LORETO	3,216,218 3,216,226	GRAHAM, KEITH GRAMMER, SKYLER	3,216,503 3,216,715	HABENBERGER, PETER	3,216,716
GEVO, INC.	3,216,193	GRAMMER, SKYLER	3,216,122	HABER, ELRAN	3,216,132
GEY, GIAN-MARCIO GHODSI, SEYED BEHRAD	3,216,382 3,216,611	GRANT, BETHANY GRANUM, STINE	3,216,238 3,216,764	HABERING, RICHARD HABESHIAN, SEVAN	3,216,370 3,216,301
GIAFFREDA, STEFANO LUCA GIAGTZOGLOU, NIKOLAOS	3,216,622 3,216,719	GRAY, NATHANIEL S. GRAYDON, STUART	3,216,720 3,216,260	HACANOKA GMBH	3,216,662
GIBSON, MICHAEL ANDREW GIDARA ENERGY B.V.	3,216,883 3,216,810	GREEN C02 IP, LLC GREEN CROSS CORPORATION	3,216,588 3,216,293	HADDAD, JASON JAMES HAGER INDUSTRIE AG	3,216,270
GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH	3,216,109	GREEN, JONATHAN	3,216,657	RAID	3,216,465
GIESZ, VALERIAN GIL, LAHAV	3,216,068 3,216,029	GREENSTEIN, EREZ GRESSIES, STEFFEN	3,216,276 3,216,503	HAFNER, MICHAEL	3,216,665
GILEAD SCIENCES, INC. GILEAD SCIENCES, INC.	3,216,162 3,216,163	GRiffin, CHRISTOPHER GRiffin, WILLIAM BRIAN	3,216,710 3,216,758	HAINZL, DOMINIK	3,216,880
GILEAD SCIENCES, INC.	3,216,372	GRIGORIAN, SAM	3,216,300	HAIR, DIRK	3,216,832
GILLIAM, RYAN J.	3,215,988	GRILLON, BENOIT	3,216,149	HAIRSTON, HOB	3,216,147
GILLIGAN, ELIZABETH	3,216,424	GRIMALDI, ANGELO	3,216,289	HALDER, BIBHRAJIT	3,216,836
GILLIGAN, ELIZABETH	3,216,435	GRIMALDI, ANGELO	3,216,292	HALEY, JEFFREY C.	3,216,832
GILLIGAN, ELIZABETH	3,216,443	GRIMBERG, NOAM	3,216,469	HALL, BETHANY JO	3,216,465
GILMORE, DEREK	3,215,998	GRONEMANN, VERONIKA	3,216,134	HALL, JASON	3,216,401
GIRARD, CLAIRE	3,216,130	GROSS, PATRICK	3,216,507	HALLER, ALEXANDER	3,216,670
GIRARD, CLAIRE	3,216,135	GROSSO GIORDANO, NICOLAS ANDRES	3,216,001	HALLIBURTON ENERGY SERVICES, INC.	3,216,204
GIRARD, PHILIPPE	3,216,262	GROTHAUS, BRENT	3,216,739	HALLIBURTON ENERGY SERVICES, INC.	3,216,209
GISPAN, ARIEL	3,216,102	GRUNDL, MARC ALEXANDER	3,216,507	HALLIBURTON ENERGY SERVICES, INC.	3,216,474
GIVAUDAN SA	3,216,660	GRUNIG, MARKUS	3,216,514	HAN, CHUNXIAO	3,216,593
GLASGOW, JUSTIN GLATFELTER, MATTHEW	3,216,779 3,216,495	GT METABOLIC SOLUTIONS, INC.	3,216,575	HAN, JIYU	3,216,148
GLOVER, ADRIAN	3,216,333	GU, YONG	3,216,249	HAN, SEUNGIL	3,216,420
GLYCOCORE PHARMA SRL	3,216,510	GU, YUANNING	3,216,837	HAN, SHULIANG	3,216,518
GNAMM, CHRISTIAN GODBOUR, CEDRICKX	3,216,507 3,216,507	GUANGDONG RAYNOVENT BIOTECH CO., LTD.	3,216,095	HANCHAR, SCOTT	3,216,885
GODFREY, SCOTT	3,216,164	GUANGZHOU BIOSEAL	3,216,397	HANCOCK, MARK	3,216,759
GODRICH, RAN	3,216,935	BIOTECH CO., LTD.	3,216,752	HANDSCHUH, SANDRA RUTH	3,216,507
GODWIN, JONATHAN WILLIAM	3,216,012	GUARINO, JAMES C.L. (DECEASED)	3,216,752	HANEBURTH, MARC	3,216,651
GOEDEN, NICHOLAS S.	3,216,172	GUEHRING, HANS	3,216,512	HANEBURTH, MARC	3,216,661
GOEL, AVISHEK	3,216,810	GUERIN, DAVID J.	3,216,752	HANEY, LESTER A., III	3,216,463
GOERGEN, PATRICK JOHN	3,216,715	GUGLIELMO, ALBERTO	3,216,289	HANMI PHARM. CO., LTD.	3,216,330
GOETZ, RICHARD	3,216,555	GUGLIELMO, ALBERTO	3,216,292	HANSEN, ANNE	3,216,823
GOFER, YOSSI	3,216,562	GUGLIELMO, ALBERTO	3,216,639	HANSEN, ESBEN HALKJAER	3,216,380
GOLDSTEIN, DAVID MARC	3,216,291	GUILLERMIN, ALEXANDRA	3,216,586	HANSEN, LARS BO	3,216,759
GOLISZ, SUZANNE R.	3,216,085	GUITTET, CATHERINE	3,216,586	HANSEN, SIMON	3,216,755
GOMEZ MORA, DANIEL	3,216,199	GUNAWARDENA, RAMESH M.	3,216,375	HANSKI, SAMI	3,216,565
GONEN, RAANAN	3,216,029	GUO, CHUANBIN	3,216,011	HANZ, ANDREW	3,216,636
GONG, BO	3,216,791			HARDIN, TAYLOR	3,216,910
				HARDING, HUGH	3,216,353
				HARDING, WESTON F.	3,216,685
				HARGIS, CRAIG	3,215,988

## Index of PCT Applications Entering the National Phase

HARRIS, HOWARD W.	3,216,213	IIROC-X DEVELOPMENTS	HUBER, MARTIN	3,216,892
HARSCO TECHNOLOGIES LLC		LIMITED	HUDICKA, JOSEPH	3,216,604
HART, COLIN	3,216,688	HILGERT, TOBIAS	HUELSMANN, JOSEPH M.	3,216,724
HART, GREGORY R.	3,216,450	HILL, ANDREW	HUGHES, DAVID CHARLES	3,216,275
HARVEY, MICHAEL T.	3,216,802	HILLER, DAVID	HUGHES, ROBERT	3,216,236
HASUMI, KEIJI	3,216,607	HILLIG, ROMAN	HUGHETT, JAMES DAVI	3,216,816
HAUPTMAN, ALEXIS	3,216,137	HILLRICH, CALEB T.	HUK, DANIELLE J.	3,216,359
HAUSNER, JONATHAN	3,216,188	HIRAMATSU, RYOSUKE	HUNG, CHAO-I	3,216,163
HAYASHI, HIROYOSHI	3,216,562	HIRATA, TAKUYA	HUNG, CHAO-I	3,216,372
HAYASHI, YUKI	3,215,999	HIRSH, BARUCH	HUNT, CORY DOUGLAS	3,216,312
HAYES, SARAH	3,216,326	HIVE STREAMING AB	HUNT, RICHARD DAVID	3,216,167
HE, HAIYING	3,216,753	HO, HORACE C.	HUNTINGTON, CATHERINE	
HEALEY, ANDREW JOHN	3,216,095	HO, JOHN MIN	EUGENIE	3,216,894
HEARTFLOW, INC.	3,216,195	HO, MITCHELL	HUNTSMAN	
HEASLEY, BRIAN H.	3,216,802	HO, THI Q.	INTERNATIONAL LLC	3,216,369
HEBERT, YOANN	3,216,480	HOELLER ELECTROLYZER	HUTCHINSON	3,216,436
HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.	3,216,660	GMBH	HUTTON, ANDREW JOHN	3,216,225
HEGER, REBECCA		HOENKE, CHRISTOPH	HYDROSTOR INC.	3,216,425
HEIMANN, ANNEKATRIN CHARLOTTE		HOEY, TIMOTHY C.	I.V.A.R. S.P.A.	3,216,235
HEIN, CHRISTOPH	3,216,249	HOFER, MORITZ	IANNI, CRISTINA	3,216,622
HEINIS, CHRISTIAN	3,216,156	HOFFER, ERAN	IAVICOLI, PATRIZIA	3,216,735
HEIREDAL-CLAUSEN, THOMAS		HOFFMAN, ROBERT L.	IBIS, KUBRA	3,216,541
HEISKANEN, ISTO	3,216,507	HOFFMANN, BERNHARD	IGDARI, SASHANAZ H.	3,216,236
HELIOS PROJECT LTD.	3,216,487	HOFFMANN, URSULA	IGGENIX, INC.	3,216,643
HELLBERG, JONAS	3,216,301	HOFFMASTER, KEITH	IGUS GMBH	3,216,370
HELLBERG, MARTEN		HOGLUND, MICHAEL R.	IGUS GMBH	3,216,371
HELM AG	3,216,000	HOJGAARD JENSEN, SOREN	IGUS GMBH	3,216,374
HEMPHILL, JAMES	3,216,689	HOLLER, STEFAN	IGUS GMBH	3,216,502
HENDRICKS, III, WILLIAM ANDREW	3,216,562	HOLLISTER INCORPORATED	IGUS GMBH	3,216,505
HENNIG, THOMAS	3,216,677	HOLLY, MARK	IGUS GMBH	3,216,509
HENNING, NATHANIEL JAMES	3,216,082	HOLMES, MICHAEL B.	IHDAYHID, ABDUL	3,216,263
HENRIKSEN, LONE	3,216,681	HOLT, DAVID	IKEGAMI, KAHO	3,216,699
HENRIKSEN, LONE	3,216,764	HONDA, KAZUO	IKHLAS, MUHAMMAD	3,216,602
HEPTARES THERAPEUTICS LIMITED		HOPWOOD, BENJAMIN P.	IKON, NIKITA	3,216,164
HERMAN, KYLE RANDY	3,216,153	HORF, MICHAEL	ILLINOIS TOOL WORKS INC.	3,216,394
HERRAIZ LALANA, ENRIQUE	3,216,686	HORSFALL, ANDREW	ILLUMINA CAMBRIDGE	
HERRANN, JAMES		HOSHYARMANESH, LIMITED	LIMITED	3,216,735
HERSCOVICI, NIR	3,216,614	HAMIDREZA	ILLUMINA, INC.	3,216,735
HERTING, FRANK	3,216,543	HOSTETLER, CHRISTI	ILYINSKII, PETR	3,216,364
HESS, JOSHUA	3,216,627	HOU, TENGYAN	IMAI, TAKAYOSHI	3,216,313
HESSE, MATTHEW JAMES		HOUGHTON-LARSEN, JENS	IMPACT THERAPEUTICS	
HETHEY, CHRISTOPH PHILIPP	3,216,693	HOY, JOANNA L.	(SHANGHAI), INC.	3,216,489
HETSCHEL, MARTIN	3,216,317	HPTEC GMBH	IMPLICITY	3,216,154
HEWETT, CARL GORDON	3,216,393	HSU, KATHARINE C.	IN & TEC S.R.L.	3,216,438
HEWITT, TIMOTHY	3,216,867	HU, GUOPING	INDAPTA THERAPEUTICS,	
HEXO OPERATIONS INC.	3,216,626	HUANG, CAITLIN	INC.	3,216,410
HICKEY, EUGENE R.	3,216,220	HUANG, HAN	INDIAN INSTITUTE OF	
IIROC-X DEVELOPMENTS LIMITED	3,216,758	HUANG, JIANZHOU	SCIENCE	3,216,439
IIROC-X DEVELOPMENTS LIMITED	3,216,614	HUANG, JINYU	INDRANADA, AMOS	3,216,001
IIROC-X DEVELOPMENTS LIMITED	3,216,503	HUANG, LIMING	INDUSTRIE DE NORA S.P.A.	3,216,687
IIROC-X DEVELOPMENTS LIMITED	3,216,467	HUANG, MINGYA	INERATEC GMBH	3,216,801
IIROC-X DEVELOPMENTS LIMITED	3,216,817	HUANG, YANFEN	INGRAM, KAZDEN	3,216,640
IIROC-X DEVELOPMENTS LIMITED	3,216,738	HUANG, YI-CHI	INHERITING EARTH LIMITED	3,216,429
IIROC-X DEVELOPMENTS LIMITED	3,216,145	HUAWEI TECHNOLOGIES CO., LTD.	INHERITING EARTH LIMITED	3,216,431
IIROC-X DEVELOPMENTS LIMITED	3,216,800	HUAWEI TECHNOLOGIES CO., LTD.	INNOVATION GREEN	
IIROC-X DEVELOPMENTS LIMITED	3,216,400	HUAWEI TECHNOLOGIES CO., LTD.	TECHNOLOGY S.R.L.	3,216,315
IIROC-X DEVELOPMENTS LIMITED	3,216,402	HUBBELL CORPORATED	INSERM (INSTITUT	
IIROC-X DEVELOPMENTS LIMITED	3,216,464	HUBBELL INCORPORATED	NATIONAL DE LA SANTE	
IIROC-X DEVELOPMENTS LIMITED	3,216,477	HUBEI SAILUO BIOLOGICAL MATERIAL CO., LTD	ET DE LA RECHERCHE	
		HUBER, MARTIN	MEDICALE)	3,216,227
			INSERM (INSTITUT	
			NATIONAL DE LA SANTE	
			ET DE LA RECHERCHE	
			MEDICALE)	3,216,784

## Index des demandes PCT entrant en phase nationale

INSTITUCIO CATALANA DE RECERCA / ESTUDIS AVANCATS	3,216,090	JANSSEN BIOTECH, INC.	3,216,461	KABUSHIKI KAISHA TOSHIBA	3,216,860
JAPAN SCIENCE TECHNOLOGY AGENCY			3,216,798	KAESER KOMPRESSOREN SE	3,216,590
INSTITUT CURIE	3,216,385	JARBOE, MATT	3,216,167	KAGOSHIMA UNIVERSITY	3,216,205
INSTITUT CURIE	3,216,784	JARVIS, ASHLEY	3,216,753	KAICO LTD.	3,216,205
INSTITUT GUSTAVE ROUSSY	3,216,227	JAVELO HEALTH LIMITED	3,216,067	KALDOR, STEPHEN W.	3,216,258
INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE	3,216,725	JCDECAUX SE	3,216,189	KALDOR, STEPHEN W.	3,216,373
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE	3,216,385	JEAN, PHILIPPE	3,216,673	KALIKOFF, SYLVIE	3,216,153
INSTULI, EMANUELE	3,216,687	JEONG, DONGMIN	3,216,819	KALOGERAKIS, ARIS	3,215,987
INTEGRITY ORTHOPAEDICS, INC.		JEONG, HEONUK	3,216,748	KALSI-RYAN, SUKHVINDER	3,216,702
INTELLIA THERAPEUTICS, INC.	3,216,873	JEONGSEOK CHEMICAL CORPORATION	3,216,577	KALTER, LOUWERIS REMON	3,216,199
INTELLIA THERAPEUTICS, INC.	3,216,875	JESTRABOVA, PAVLA	3,216,716	KAMBLE, ATISH P.	3,216,168
INTELLIA THERAPEUTICS, INC.	3,216,877	JIA, LEI	3,216,127	KAMIJO, TAKASHI	3,212,395
INTERCONTINENTAL GREAT BRANDS LLC	3,216,213	JIANG, PEIJUN	3,216,256	KAMMAUFF, WADE	
INTERDIGITAL PATENT HOLDINGS, INC.	3,216,786	JIANG, PEIJUN	3,216,266	JACKSON	3,216,933
INTURRISI, CHARLES E.	3,216,480	JIANG, SHOULIANG	3,216,148	KAMPF, MARTIN	3,216,270
INVAIO SCIENCES, INC.	3,216,697	JIANG, WEI-DONG	3,216,342	KAN, CHANGLI	3,216,249
IONESCU, MICHAEL	3,216,567	JIANG, WEN	3,216,645	KANAN, CHRISTOPHER	3,216,935
IRANMANESH, IDA	3,216,663	JIANG, ZHIGAN	3,216,095	KANAN, CHRISTOPHER	3,216,960
IRIDESENSE	3,216,331	JIANGSU HENGRIU PHARMACEUTICALS CO., LTD.	3,216,034	KANNANGARA, RUBINI	3,216,380
IRVIN, THOMAS COMBS	3,216,800	JIANGSU HENGRIU PHARMACEUTICALS CO., LTD.	3,216,628	KANOUMI, TOUFIKE	3,216,258
ISAAC, METHVIN	3,216,456	JIN, TIANYI	3,209,961	KANSRA, VIKRAM	3,216,468
ISAACSON, SHAWN RAY	3,216,217	JIN, ZHU	3,216,760	KANTER, JAMES MAX	3,216,548
ISHIBASHI, EIJI	3,216,517	JINDAL, SIDDHARTH	3,216,585	KAPLINSKY, MOR	3,216,340
ISLAND TECHNOLOGY, INC.	3,216,776	JOELSON, ALEXANDRA B.	3,216,504	KAPPE, CHRISTIAN OLIVER	3,216,857
ISSAFRAS, HASSAN	3,216,342	JOHN BEAN TECHNOLOGIES	3,216,680	KAR, KENNETH C.H.	3,216,085
ITESCU, SILVIU	3,216,121	JOHANSSON, MAJA		KARAMBIZI, DAVID	3,216,828
ITESCU, SILVIU	3,216,129	JOHNSON & JOHNSON CORPORATION	3,216,375	KARCZEWCZ, MARTA	3,216,820
ITM ISOTOPE TECHNOLOGIES MUNICH SE	3,172,480	JOHNSON, ANDREW A.	3,216,239	KARDOS, KEITH	3,216,451
IURASOV, VOLODYMYR IXS CO., LTD.	3,216,305	JOHNSON, CHRISTIAN K.	3,216,871	KARINO, TAKASHI	3,216,194
IYENGAR, RAJESH R.	3,216,194	JOHNSON, TREVOR C.	3,216,162	KARLIN, DANIEL R.	3,216,939
IYER, KARTHIK	3,216,127	JOHNSTON, GABRIEL A.	3,216,816	KARLSEN, FRANK	3,216,363
IYER, SATISH	3,216,127	JONES, CLIFFORD D.	3,216,294	KAROUNOS, GEORGE	3,216,822
IYER, SHWETHA	3,216,396	JONES, DAVID	3,216,680	KARSCHNIK, KODY LEE	3,216,763
IZHAR, LIOR	3,216,880	JONES, DOROTHY	3,173,149	KARUNAKARAN, GANESH	
IZZO, LLC	3,216,102	JONES, HEULYN	3,216,863	BABU	3,216,365
JACKSON, ADELE	3,216,948	JONES, IAN	3,216,556	KASAGI, NORIYUKI	3,216,416
JACOB, JOHN	3,216,446	JONES, JOE	3,216,473	KASHEVAROFF, DAVID	3,216,833
JACQUS, GARY	3,216,714	JONES, SHAWN	3,216,152	KASPARKOVA, PAVLINA	3,216,560
JAEKEL, MARCO	3,216,305	JONES, WESLEY STEVEN	3,216,162	KASTL, JOHN	3,216,619
JAGELSKI, MATTHEW ROBERT	3,216,509	JOOBERT, MARISA	3,216,816	KATHURIA, SAGAR	3,216,005
JAGER, WILLEM	3,216,169	JOVEL, CLAUDIA MARCELA	3,216,294	KATSTRA, JEFFREY	3,216,743
JAHN, PATRICK	3,216,602	JOYCE, MICHAEL	3,216,680	KATZ, AVIVA	3,216,469
JAKOBSEN, HENRIK	3,216,590	JOYNER, JACK	3,216,265	KAUSCHKE, MICHAEL HEINZ	3,216,527
JAN, NING-WEI	3,216,363	JUBILANT PRODEL LLC	3,216,963	KAVANAGH, CHRISTOPHER	
JAN, NING-WEI	3,216,219	JUKES, AMANDA KISER	3,216,265	JOHN	3,216,848
JANG, SEOK SU	3,216,561	JUNG, JOON	3,216,263	KAWAMOTO, TAKAHIRO	3,216,860
JANOFF, ANNA E.	3,216,634	JUROW, MATTHEW	3,216,756	KAWANISHI, KOJI	3,216,734
JANOME CORPORATION	3,216,166	JX METALS CORPORATION	3,216,265	KAWANO, HIROSHI	3,216,141
JANSSEN BIOTECH, INC.	3,216,865	KABUSHIKI KAISHA TOSHIBA	3,216,045	KELK, NATALIE	3,216,088
	3,216,358		3,216,729	KELLOGG, SCOTT	3,216,870
				KELLY, MARK A.	3,216,724
				KELLY, STEPHEN	3,216,310
				KEMIRA OYJ	3,215,971
				KEMIRA OYJ	3,216,746
				KENNEDY, DAVID	3,216,302
				KENTEN, JOHN	3,216,872
				KERR, DAMIEN A.	3,216,742
				KERR, DOUGLAS ANTHONY	3,216,585
				KERR, SEAN H.	3,216,948
				KERTON, JAMES MATTHEW	3,216,792
				KESICKI, EDWARD A.	3,216,800

## Index of PCT Applications Entering the National Phase

KETTLE AIERS, REUBEN	3,216,429	KOCH, JOACHIM	3,216,098	KUSAKABE, TAKAHIRO	3,216,205
KETTLE AIERS, REUBEN	3,216,431	KOCH, UWE	3,216,716	KUTTRUFF, CHRISTIAN	
KEVANY, BRIAN	3,216,533	KOCHING, FABIAN	3,216,374	ANDREAS	3,216,507
KEZURER, ITAY	3,216,029	KOCHING, FABIAN	3,216,505	KUZNETS, GALIT	3,216,567
KHACHATUROV, ARKADY	3,216,698	KODUKULA, UDAYA		KVALE, SVEIN	3,216,195
KHAN, SHAHWAZ	3,216,504	BHASKAR	3,216,393	KWIATKOWSKI, NICHOLAS	
KHANDAVILLI, RAVI	3,216,827	KOERIS, MICHAEL S.	3,216,359	PAUL	3,216,260
KHANNA, AVINASH	3,216,752	KOESTER, STEVEN	3,216,812	KWON, SOOL-KI	3,216,293
KHARE, VIVEK	3,216,255	KOLAGANI, HARSHA	3,216,532	KWON, YOUNG BUM	3,216,634
KHERA, ESHITA	3,216,880	KOLAHDOUZAN, KAVOOS	3,216,163	KWONG, AARON THOMAS	3,216,222
KHETARPAL, VINOD	3,216,753	KOLAKOWSKI, GABRIELLE R.	3,216,800	KY7 INC.	3,215,999
KHOO, JA HEOK	3,216,629	KOLBECK, ROLAND	3,216,495	KYBURZ, KYLE	3,216,640
KHORSANDI, SINA	3,216,645	KOLBECK, ROLAND		KYPHA, INC.	3,216,433
KHOURI, JOELLE	3,216,164	WILHELM	3,216,894	KYSER, ZACHARY RYAN	3,216,222
KIESSLICH, SIMON	3,216,661	KOLSTE, TYLER	3,216,804	KYTOPEN CORPORATION	3,216,764
KILDEGAARD, CASPER	3,216,759	KOMATSU LTD.	3,216,517	KYUSHU UNIVERSITY,	
KIM, DAE-WON	3,216,577	KOMPELLA, AMALA	3,216,161	NATIONAL UNIVERSITY	
KIM, DO YON	3,216,819	KONG, LI	3,216,835	CORPORATION	3,216,205
KIM, DONG SUNG	3,216,634	KONYA, MASASHI	3,216,191	L'AIR LIQUIDE SOCIETE	
KIM, DONG-HOON	3,216,293	KOREN, EREZ	3,216,649	ANONYME POUR	
KIM, EUN KYUNG	3,216,511	KOSBAB, BRUCE	3,216,355	L'ETUDE ET	
KIM, HEUNGNAM	3,216,342	KOSEC, GREGOR	3,216,243	L'EXPLOITATION DES	
KIM, HOON KI	3,216,347	KOSHIKAWA, SHOI	3,216,230	PROCEDES GEORGES	
KIM, JONG MIN	3,216,704	KOSHIKAWA, TETSUYA	3,216,230	CLAUDE	3,216,130
KIM, JUNG KUK	3,216,330	KOSKINEN, JUSSI-PEKKA	3,216,314	L'AIR LIQUIDE SOCIETE	
KIM, SOO HYEON	3,216,704	KOSSATZ, SUSANNE	3,172,480	ANONYME POUR	
KIM, SUNJUNG	3,216,744	KOTOPOULIS, SPIROS	3,216,195	L'ETUDE ET	
KIM, YO HAN	3,216,330	KOU, XIAOKANG	3,216,448	L'EXPLOITATION DES	
KIM, YONG HWAN	3,216,634	KOU, ZIMING	3,209,961	PROCEDES GEORGES	
KIM, YONG-HYUN	3,216,577	KOVACS, ISTVAN	3,216,225	CLAUDE	3,216,135
KIM, YONG-SAM	3,216,819	KOVALENKO, ALEXANDER	3,216,610	L'AIR LIQUIDE, SOCIETE	
KIM, YOUNGSUN	3,216,347	KOWA COMPANY, LTD.	3,216,699	ANONYME POUR	
KIMBERLY-CLARK WORLDWIDE, INC.	3,216,295	KRAEMER, JAMES AARON	3,216,697	L'ETUDE ET	
KIMBERLY-CLARK WORLDWIDE, INC.	3,216,657	KRAFT, MATTHEW	3,216,162	L'EXPLOITATION DES	
KIMELMAN, HADAR	3,216,567	KRAJNC, NIKA LENDER	3,216,243	PROCEDES GEORGES	
KIMURA, SO	3,216,519	KRAMER, MARCO	3,216,156	CLAUDE	3,216,134
KIMURA, TAKEHIRO	3,216,519	KRAMER, ULRICH	3,216,670	LABORATORY	
KINBOSHI INC.	3,216,519	KRASNER, ALAN S.	3,216,457	CORPORATION OF	
KINDERMANN, MAIK	3,216,672	KRATSCHELL, MATTHIAS	3,216,689	AMERICA HOLDINGS	3,216,357
KINDERMANN, MAIK	3,216,674	KREIERHOFF, MARTIN	3,216,140	LACKEY, BREANNA E.	3,216,217
KING, DORY	3,216,640	KREIS, EDGAR	3,216,912	LACKEY, JOHN M.	3,216,685
KINGHAM, TEDDY E.	3,216,724	KRINKE, TODD A.	3,216,575	LAI, JINGJING	3,216,837
KINNATE BIOPHARMA INC.	3,216,104	KRISTENSEN II, DUANE LEE	3,216,697	LAI, SAM	3,216,538
KINNATE BIOPHARMA INC.	3,216,258	KRISTENSEN, JESPER	3,216,083	LAI, SAM	3,216,540
KINNOS INC.	3,173,149	LANGGAARD	3,216,745	LAI, YEN-TING	3,216,490
KISHANI, SAINA	3,216,082	KRITHIVASAN, RAJESH	3,216,766	LALLEMAND, MAUD	
KISHIMOTO, TAKASHI KEI	3,216,364	KRUEGER, MATTHEW J.	3,216,774	ISABELLE	3,215,995
KITCHING, ALAN	3,216,067	KRUGER BEN SHABAT,	3,216,132	LAM, AMNON	3,216,142
KLAES, STEFAN	3,216,154	SHEERLI	3,216,487	LAMA, SANJU	3,216,635
KLEBL, BERT	3,216,716	KRUGER, OLIVER	3,216,634	LAMMING, HEATHER	3,216,174
KLEIN, IAN MICHAEL	3,216,835	KT&G CORPORATION	3,216,821	LAMOT, IVO JOHANNES	
KLEINE, FABIAN	3,216,509	KUCKES, ARTHUR F.	3,216,779	GERARDUS	3,215,994
KLEY, JOERG	3,216,507	KUEHL, STEVEN J.	3,216,183	LAMPE, MATTHEW	3,216,265
KLOCKNER PENTAPLAST OF AMERICA, INC.	3,216,933	KUGELMANN, FRANZ	3,216,800	LAMPE, MATTHEW	3,216,323
KNIGHT, JENNIFER LYNN	3,216,800	KUMAR, MANOJ	3,216,000	LAMPE, MATTHEW E.	3,216,327
KNIGHT, JONATHON D.	3,216,546	KUNGAS, RAINER	3,216,143	LANGE, CHRISTIAN	3,216,689
KNIGHT, JONATHON D.	3,216,550	KUNZE, MARTIN	3,216,908	LANGE, CHRISTOPHER W.	3,216,005
KNIGHT, JONATHON D.	3,216,555	KUO, TRACY CHIA-CHIEN	3,216,070	LANGE, CHRISTOPHER W.	3,216,874
KNOESS, CHRISTOPH	3,216,827	KUO, WEI-YING	3,216,563	LANKHORST	
KO, JEONG HEON	3,216,819	KURCON, TOMASZ	3,216,615	TOUWFABRIEKEN B.V.	3,216,307
KOBAYASHI, KEN	3,216,104	KURIHARA, TOMOAKI	3,216,748	LANKI REDDY, TIRUMALA	
		KURIHARA, TOSHIHIDE	3,216,748	REDDY	3,216,161
		KURTZ, DAVID M.	3,216,428	LANXESS DEUTSCHLAND	
				GMBH	3,216,684

## Index des demandes PCT entrant en phase nationale

LAPORTE, DANIEL KEANE	3,216,001	LI, HONGMEI	3,216,785	LOEWEN, WILLIAM HERBERT	3,216,596
LAPSA, ANDREW	3,216,392	LI, JIAN	3,216,095	LOGAN, JEREMY QUENTIN	3,216,311
LARSEN, PETER ANTHONY	3,216,826	LI, JIAN-MING	3,216,694	LOGEL, VALERE	3,216,648
LARSEN, ROBERT EMIL	3,216,108	LI, JUAN	3,216,837	LONG, CHAOFENG	3,216,095
LARSSON, NILS-GORAN	3,216,716	LI, MANCI	3,216,826	LONG, KATELYN FRANCES	3,216,800
LASELVA, DANIELA	3,216,314	LI, SUIDANG	3,216,448	LONG, YAN	3,216,785
LAU, MING WOEI	3,216,361	LI, XIANG	3,216,208	LOPHORA APS	3,216,083
LAUB, GLENN W.	3,216,267	LI, XINYANG	3,216,837	LORI, ORAN	3,216,562
LAUDON, MOSHE	3,216,790	LI, YAN	3,216,837	LOUDER, SAMUEL J.	3,216,282
LAUFER, WILHELM	3,216,684	LI, YANMIN	3,216,148	LOW, CHEE MENG	3,216,273
LAVIE BIO LTD.	3,216,567	LI, YONG	3,216,286	LOW, CHEE MENG	3,216,278
LAWRANCE-OWEN, MICHAEL	3,216,429	LI, YUCHEN	3,209,961	LOWE, ELIZABETH H.	3,216,463
LAWRANCE-OWEN, MICHAEL	3,216,431	LI, YUFU	3,216,397	LU, JESSE	3,216,530
LI, YUNZHI		LI, YUNZHI	3,216,249	LU, JIANXIN	3,216,475
LI, ZHEN		LI, ZHEN	3,216,732	LU, TIANLUN	3,216,825
LI, ZHENGHE		LI, ZHENGHE	3,216,308	LU, WENCHAO	3,216,260
LI, ZHENSHAN		LI, ZHENSHAN	3,216,321	LU, YUXIN	3,216,791
LI, ZHIXIANG		LI, ZHIXIANG	3,216,757	LU, ZHAOHUA	3,216,286
LAYUROVA, MARIYA	3,216,257	LIAO, CHENG	3,216,034	LUBKER, POUL ANKER	
LAZAR, ELIOT STUART	3,216,328	LICHTENWALTER, BENJAMIN	3,216,336	SKAARUP	3,216,789
LE GRAND, DARREN	3,216,629	LIEW, SAMANTHA	3,216,584	LUBRIZOL ADVANCED	
LE GUERN, MARIE- EMMANUELLE		LIKHITE, SHIBI	3,216,712	MATERIALS, INC.	3,216,354
LE LEAD DISCOVERY CENTER GMBH	3,216,262	LILAC SOLUTIONS, INC.	3,216,001	LUI, REBECCA M.	3,216,874
LEADBEATER, DANIEL	3,216,709	LILIEN, ADAM	3,216,482	LUKITO, ALYSIA	3,216,001
LE NOUEN, CYRIL	3,216,466	LIM, CHAEMIN	3,216,541	LULULEMON ATHLETICA	
LEAD DISCOVERY CENTER GMBH		LIM, CHEOL HEE	3,216,511	CANADA INC.	3,216,653
LEADBEATER, DANIEL	3,216,716	LIM, HUN IL	3,216,634	LUMENIS LTD.	3,216,698
LEAGUE, ALFRED W.		LIN, BRIAN	3,216,206	LUMINATED GLAZINGS, LLC	3,216,900
LEBL, RENE	3,216,742	LIN, CRAIG	3,216,561	LUND FRANDSEN, HENRIK	3,216,899
LECOZANNET, ROMAIN	3,216,857	LIN, DAVID W.	3,216,163	LUNDBACK, PETER	3,216,901
LEE, CHI-YU GREGORY	3,216,660	LIN, DAVID W.	3,216,372	LUO, MIN	3,216,332
LEE, CHUL HAENG	3,216,498	LIN, FENG-SHOU	3,216,219	LUO, SHA ROSA	3,216,457
LEE, CRAIG ALLEN	3,216,683	LIN, FENG-SHOU	3,216,561	LUONGO, CINDY	3,216,466
LEE, CRAIG ALLEN	3,216,713	LIN, JIE	3,216,837	LUTH, THOMAS	3,216,234
LEE, CRAIG ALLEN	3,216,718	LIN, JIEHAN	3,216,656	LUTRON TECHNOLOGY	
LEE, EDWARD J.	3,216,876	LIN, SHEN	3,216,495	COMPANY LLC	3,216,259
LEE, GILWOO	3,216,347	LIN, XINGQIN	3,216,184	LUX, JACQUES	3,216,645
LEE, JAE MAN	3,216,205	LIN, YEN-HAO	3,216,266	LV, GANG	3,216,785
LEE, JONG SUK	3,216,330	LINDEN, COREY	3,216,452	LYCK SMITHSHUYSEN, ANNE	3,216,899
LEE, MAN FUNG	3,216,807	LINDGREN, JOUNI	3,216,565	LYNDRA THERAPEUTICS,	
LEE, RICHARD, T.	3,216,537	LINDHOLM, CATHARINA	3,216,387	INC.	3,216,743
LEE, SANG HYUN	3,216,330	LINDHOLM, CATHARINA	3,216,395	LYU, JINGLAN	3,216,518
LEE, THOMAS WAI-HO	3,216,127	LININGER, TOM	3,216,120	LYYTIKAINEN, HEIKKI	3,216,481
LEE, WON TAE	3,216,683	LIPINSKY NUNES, JOAO	3,216,676	MA, BENJAMIN	3,216,886
LEER GROUP	3,216,551	LIU, CHENCHEN	3,216,791	MA, DONG	3,216,837
LEGEND BIOTECH USA INC.	3,216,173	LIU, GANG	3,216,614	MA, FACHENG	3,216,002
LEGRAND, CHRISTINE	3,216,427	LIU, HUIPING	3,216,296	MA, LIAN	3,216,173
LENGERLI, DENIZ	3,216,541	LIU, LONGBIN	3,216,753	MA, YOUNG-GIL	3,216,577
LENHART, LORENZ	3,216,234	LIU, MINGYUE	3,216,324	MAATTANEN, HELKA-LIINA	3,216,184
LEOLABS, INC.	3,216,336	LIU, QIAN	3,216,308	MACBEATH, GAVIN	3,216,553
LEON-NANODRUGS GMBH	3,216,600	LIU, QIONG	3,216,448	MACDONALD, ALEX	3,216,299
LEONG, PENG	3,216,236	LIU, RU-FEN	3,216,876	MACKENZIE, LAUREN	3,216,353
LETINOIS, ULLA	3,216,672	LIU, SHAN	3,216,208	MADAN, AJAY	3,216,457
LETINOIS, ULLA	3,216,674	LIU, SHENGHAO	3,216,630	MADSEN, GARY L.	3,216,947
LETT, DAVID B.	3,216,607	LIU, XUEQIAO	3,216,466	MAEDA, EIKI	3,216,252
LEUNG, CHI YIN ALAN	3,216,157	LIU, YANG	3,216,324	MAETANI, MICAH	3,216,873
LEVELL, JULIAN R.	3,216,752	LIU, YE	3,216,744	MAETANI, MICAH	3,216,875
LEVY, AMALIE	3,216,461	LIU, YIFEI	3,216,754	MAETANI, MICAH	3,216,877
LEVY, DANIEL EMIL	3,216,717	LIU, YUHANG	3,216,420	MAF AGROBOTIC	3,216,805
LEWIN, RICHARD PETER	3,216,829	LIU, YUNSONG	3,216,011	MAHAKALKAR, KAPIL	3,216,530
LEWIS, CRAIG	3,216,160	LIU, ZHUOWEI	3,216,095	MAHANKALI, MADHUPRIYA	3,216,495
LEWIS, RICHARD P.	3,216,295	LM WIND POWER A/S	3,216,759	MAHER, MARISA	3,216,823
LG ENERGY SOLUTION, LTD.	3,216,683	LOCANABIO, INC.	3,216,419	MAJDALI, DAVID GERARD	3,216,722
LI, DAN	3,216,228	LOCKETT, TREVOR	3,216,160	MAJUMDAR, ANISH SEN	3,216,694

## Index of PCT Applications Entering the National Phase

MAKIKAWA, SHINJI	3,216,513	MATTAREI, ANDREA	3,216,480	MEMPS-TUBOS HELICOIDAIS
MALFATTI, MARCO	3,216,201	MATTEI, ALESSANDRA	3,216,378	INDUSTRIA E SERVICOS
MAMPEL, JORG	3,216,156	MATTLER, SARAH	3,216,266	LTDA
MANDEGAR, MOHAMMAD A.	3,216,768	MAUDENS, PIERRE	3,216,880	MENG, JIASHEN
MANFREDI, PAOLO L.	3,216,480	MAURER, OLIVER	3,215,993	MENG, XUN
MANGETTE, JOHN E.	3,216,753	MAURI, MIRKO	3,216,696	MENNELL, JAMES A.
MANKOWSKA, SYLWIA	3,216,430	MAX-PLANCK-		MENNELL, JAMES A.
MANKOWSKI, PETER	3,216,602	GESELLSCHAFT ZUR		MENNINGER, SASCHA
MANKOWSKI, PETER	3,216,624	FORDERUNG DER		MENZEL, MARC
MANN+HUMMEL LIFE SCIENCES & ENVIRONMENT HOLDING SINGAPORE PTE. LTD.		WISSENSCHAFTEN E. V.	3,216,716	MERCHANT, STEPHEN A.
MANNA, ROVIN	3,216,467	MAYADAS, VIJAY	3,216,532	MERCIER, GERALD
MANOLOVA, VANIA	3,216,653	MAYEKAWA MFG. CO., LTD.	3,216,794	MERCK PATENT GMBH
MANSOURI, BEHZAD	3,215,987	MAYNE, CHRISTOPHER		MERINO, AMAURY PUPO
MANSOURI, BEHZAD	3,216,580	GLENN	3,216,800	MERLINO, GLENN
MANSTEIN, DIETER	3,216,583	MAZUR, CLINTON	3,216,177	MERMERIAN, ARA
MANTOVANO, LUCIANO OMAR	3,216,367	MAZZAFERRO, GASTON		MERON, NURIT
MANUEL-DEVADOSS, JOHNSON	3,216,084	MAURO	3,216,084	MERZ, MANUEL
MANUFACTURING COST CALCULATION (MCCAB) AKTIEBOLAG	3,216,158	MBC - MARITIME BUSINESS & CONSULTING UG		MESHNER, SHIRI
MAO, JIE	3,216,677	(HAFTUNGSBESCHRANK T) & CO. KG	3,216,218	MESO SCALE TECHNOLOGIES, LLC.
MAPSTONE, JAMIE LEIGH	3,216,475	MC (US) 3 LLC	3,216,493	MESOBLAST INTERNATIONAL SARL
MARAMAI, SAMUELE	3,216,629	MCCONNELL, CAMPBELL	3,216,876	MESOBLAST INTERNATIONAL SARL
MARBACH BAR, NADAV	3,216,102	MCCORMACK, RAMEECH	3,216,764	METCALFE, NICK
MARCHER-RORSTED, EMIL	3,216,083	MCCUE, ANDREA D.	3,216,359	METSA SPRING OY
MARGHALANI, THAMER	3,216,078	MCCULLOUGH, THOMAS RYAN	3,216,391	METSALA, ERKKI JOHANNES
MARGULIES, CARRIE MARIE	3,216,765	MCCULLOUGH, THOMAS RYAN		MEXICHEM FLUOR S.A. DE C.V.
MARIANI, ANGELICA	3,216,735	MCKAY, DAVID IAN	3,216,392	MEYER, ALAN R.
MARIN COSTA, DAVID	3,216,557	MCKENNA, JEFFREY M.	3,216,264	MEYER, DONALD
MARINI, IRENE	3,216,139	MCKENNEY, HANNAH	3,216,752	MEYER, KATHRIN
MARINO, JAIME	3,216,320	MCLARNEY, NICHOLAS	3,216,807	MEYER, KATHRIN CHRISTINE
MARKHAM, GREGORY T.	3,216,623	MCMAHON, MICHAEL	3,216,827	MIAO, XIN
MARSHALL, COREY MAURICE	3,216,190	MCMAHON, PETER L.	3,216,614	MICKELSON, LARRY
MARSILLI S.P.A.	3,215,984	MCMURTRIE, DARREN J.	3,216,532	MICROSOFT TECHNOLOGY LICENSING, LLC
MARTIN, ERIC	3,216,104	MCQUILKIN, ALEXANDER	3,216,206	MIDEA GROUP CO., LTD.
MARTIN, JETHRO	3,216,312	MCQUISTON, BETH	3,216,320	MIKI, SATOMI
MASIERO, ALESSANDRO	3,216,005	MCRAE, AMANDA G.	3,216,089	MILLENNIUM PHARMACEUTICALS, INC.
MASIH-UD-DIN, MOHSIN	3,216,538	MECKEL, MARIAN	3,172,480	MILLER, JOEL
MASIH-UD-DIN, MOHSIN	3,216,540	MEDGENE THERAPEUTICS, INC.		MILLER, LOUISE
MASON, NICOLA J.	3,216,131	MEDIMMUNE LIMITED	3,216,524	MILLER, NICHOL L. G.
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	3,216,099	MEDIVANCE INCORPORATED	3,216,894	MILLER, RAYMOND BRENT
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	3,216,882	MEE, JOHN LAWRENCE	3,216,816	MILLER, SHANNON D.
MASTERCARD TECHNOLOGIES CANADA ULC	3,216,807	MEI, AMY	3,216,335	MILLS, DANIEL
MASUDA, AKITSU	3,216,205	MEIER, ERIC	3,216,823	MIMOTO, STAN
MATERIAL. EVOLUTION LTD.	3,216,424	MEIER, ERIC T.	3,216,775	MIMURA, RYOHEI
MATERIAL. EVOLUTION LTD.	3,216,435	MEIKE, ERIK	3,216,592	MIND MEDICINE, INC.
MATERIAL. EVOLUTION LTD.	3,216,443	MELACCIO, PAUL	3,216,572	MIND MEDICINE, INC.
MATIENZO, DJ DONN	3,216,687	MELASHVILI, MARIAM	3,216,749	MINESSO, ALESSANDRO
MATINA, DARIO	3,216,639	MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES	3,216,214	MINGALIEV, SHAVKAT
MATSUI, MATT	3,216,122	MEMORIAL SLOAN KETTERING CANCER CENTER	3,216,253	MINROVIC, BRADLEY
MATSUI, MATT	3,216,238	MEMORIAL SLOAN-KETTERING CANCER CENTER	3,216,709	MITCHELL, MICHAEL L.
MATSUNAGA, KOTETSU	3,216,230	MITSUBISHI GAS CHEMICAL COMPANY, INC.		MITCHELL, MICHAEL L.
MATSUTOMO, TOSHIAKI	3,216,695	MITSUBISHI HEAVY INDUSTRIES, LTD.	3,216,395	MITSUNOBU, TAKUYA
			3,216,253	3,216,734

## Index des demandes PCT entrant en phase nationale

MIYATA, TAKESHI	3,216,205	MURAKAMI, TETSUYA	3,216,608	NEWHOUSE, JOCELYN	
MIZUFALLS SA	3,216,144	MURAKAMI, TETSUYA	3,216,613	MARIE	3,216,883
MO, ZHIRONG	3,216,303	MURDOCH, BRANDON BRIAN	3,216,881	NEWMAN, KAITLIN	3,216,450
MOCHIDA, ISAO	3,216,230	MURPHY, BRIAN PATRICK	3,216,861	NG, ASHLEY	3,216,859
MODENA, ENRICO	3,216,622	MURPHY, ERIC	3,216,104	NG, KARA	3,173,149
MODERNATX, INC.	3,216,490	MURRAY, FRASER	3,216,204	NGM	
MOEHLER, HANNS	3,216,783	MURRAY, FRASER	3,216,474	BIOPHARMACEUTICALS, INC	3,216,755
MOGHADDAM, ELYAS M.	3,216,810	MUSNIKOW, YONATAN	3,216,340	NGUYEN, CHIEN	3,216,664
MOHAMMEDI, ALIREZA	3,216,810	MUSTER, MICHAEL	3,216,514	NGUYEN, HOANG D.	3,216,625
MOHD, ZAINUDDIN	3,216,045	NAAMAN, OFER	3,216,133	NGUYEN, NHON HOA	3,216,171
MOISALA, ESKO	3,216,481	NABRIVA THERAPEUTICS GMBH	3,216,665	NGUYEN, PHONG	3,216,539
MOLLER, NICHOLAS	3,216,168	NABULSI, ADEL AL	3,216,827	NGUYEN, PHUONG TAYLOR	3,216,891
MOMENTA PHARMACEUTICALS, INC.		NACHMIAS, CHEN	3,216,340	NIANTIC, INC.	3,216,181
MONDAL, ABHISHEK NARAYAN	3,216,642	NACHTRAB, GREG	3,216,419	NICOLLS, MICHAEL	3,216,336
MONERIE-MOULIN, FRANCIS		NACHUM, TEHILA	3,216,340	NICOVENTURES TRADING LIMITED	3,216,265
MONJO, JACQUES	3,216,605	NADEAU, KARI	3,216,643	NICOVENTURES TRADING LIMITED	3,216,322
MONOSOL, LLC	3,216,546	NAGL, ANDREAS	3,216,488	NICOVENTURES TRADING LIMITED	3,216,323
MONOSOL, LLC	3,216,550	NAHK, JIN WOO	3,216,524	NICOVENTURES TRADING LIMITED	3,216,327
MONOSOL, LLC	3,216,555	NAKAMORI, MASAYUKI	3,216,313	NICOVENTURES TRADING LIMITED	3,216,538
MONSANTO TECHNOLOGY LLC		NAKAMURA, FUMIAKI	3,216,734	NICOVENTURES TRADING LIMITED	3,216,540
MONTAUTI, ELENA	3,216,361	NAKAMURA, MASAYA	3,216,326	NICOVENTURES TRADING LIMITED	3,216,593
MONTEIRO TAMASSIA, LUIS FERNANDO	3,216,296	NAKAMURA, NAOTO	3,216,416	NICOVENTURES TRADING LIMITED	3,216,301
MONTEIRO TAMASSIA, LUIS FERNANDO		NAKAMURA, YASUNOBU	3,216,798	NICOVENTURES TRADING LIMITED	3,216,733
MONTEZCO, JUAN JARAMILLO		NANJING PROFETA INTELLIGENT TECHNOLOGY CO., LTD.	3,216,011	NICOVENTURES TRADING LIMITED	3,216,509
MORAN, BRYAN D.	3,216,672	NANNAPANENI, VENKAIAH		NIEDERER, RALF	3,216,383
MOREAUX, JEROME		CHOWDARY	3,216,161	NIELSEN, ALEXANDER LUND	3,216,313
MOREY, OWEN EUGENE	3,216,784	NASSER, YOSEPH	3,216,080	NIELSEN, JENS	3,216,416
MORGAN, BRYANN ASHLEIGH	3,216,375	NATARAJAN, SRINIVASAN	3,216,863	NIERMANN, STEFAN	3,216,799
MORGAN, DAVID L.	3,216,126	NATCO PHARMA LIMITED	3,216,161	NILSSON, JESPER	3,216,091
MORGAN, DAVID L.	3,216,256	NATIONAL RESEARCH COUNCIL OF CANADA (NRC)	3,216,237	NINOMIYA, RISA	3,216,409
MORGAN, DYLAN	3,216,266	NATIONAL RESEARCH COUNCIL OF CANADA		NIPPON STEEL CORPORATION	3,216,517
MORGAN, DYLAN	3,216,122	NAVARRO, ROSA	3,216,245	NIRAXX, INC.	3,216,137
MORGGEN, ERIC KIM	3,216,238	NDT GLOBAL CORPORATE LTD.	3,216,274	NISHIHARA, KEN	3,216,614
MORTIER, JEREMIE XAVIER	3,216,503	NE INNOVATIONS LIMITED	3,216,686	NISHIMURA, NAOKO	3,216,519
MOSHAMMER, HORST	3,216,502	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-	3,216,291	NITABARU, TATSUYA	3,216,572
MOSS, JON F.	3,216,240	NATUURWETENSCHAPP		NIVOROZHKIN, ALEX	3,216,447
MOTHUKURI, GANESH KUMAR	3,216,301	ELIJK ONDERZOEK TNO	3,216,101	NOBLE, STEWART ALWYL	3,216,452
MOVCHAN, ANNA	3,216,567	NELSON, BRIAN A.	3,216,592	NOCA, LAURENT	3,216,479
MU, MENGMENG	3,211,862	NELSON, BRIAN A.	3,216,775	NOE, ANNEKA	3,216,512
MUDDASANI, PULLA REDDY	3,216,161	NELSON, JUSTIN THEODORE	3,216,812	NOILE-IMMUNE BIOTECH INC.	3,216,614
MUELLER, THOMAS	3,216,783	NEMETH, ATILLA	3,216,446	NOKIA TECHNOLOGIES OY	3,216,296
MUELLER, WILLIAM F.	3,216,809	NETHERTON, MATTHEW	3,216,773	NOMURA, DANIEL K.	3,216,519
MULDOON, JOSEPH W.	3,216,823	NETSCOUT SYSTEMS, INC.	3,216,355	NORBY, TOBIAS HOLT	3,216,477
MULLAN, GEORGE ALEXANDER	3,215,994	NETZER, STEFAN	3,216,845	NORFLEET, CALEB	3,216,452
MULLET, RANDY	3,216,299	NEURIM PHARMACEUTICALS (1991) LTD.	3,216,790	NORSKER, NIELS-HENRIK	3,216,447
MULLINAX, JOHN	3,216,691	NEUROPTEK CORPORATION INC.	3,216,580	NORTHWESTERN UNIVERSITY	3,216,479
MUNIR, SHIRIN	3,216,466	NEUROPTEK CORPORATION INC.		NOSE, ATSUSHI	3,216,614
MUNOZ SAIZ, MANUEL	3,216,497	NEUROTRAUMA SCIENCES LLC	3,216,088	NOVAK, MARIAN	3,216,880
MUNOZ-TORRERO LOPEZ-IBARRA, DIEGO	3,216,090	NEUROTRAUMA SCIENCES LLC	3,216,580	NOVARTIS AG	3,216,165
MUNRO, BRAYDON	3,216,671	NEWCOMBE, PAUL	3,216,395	NOVELIS INC.	3,216,166
MURAKAMI, TETSUYA	3,216,568			NOVELIS INC.	3,216,727
MURAKAMI, TETSUYA	3,216,581			NOVELIS INC.	3,216,851
MURAKAMI, TETSUYA	3,216,587			NOVAK, JESKO JAY	3,216,851
				NOWAK, MIRKO	3,216,851

## Index of PCT Applications Entering the National Phase

NOWAK, REINHARD	3,216,851	OROZCO, RAQUEL	3,216,164	PATEL, KEYUR	3,216,608
NOWAK-REPPEL, KATRIN	3,216,503	OROZCO, RAQUEL	3,216,222	PATEL, KEYUR	3,216,613
NTT RESEARCH, INC.	3,216,316	ORTIZ, AURELIE	3,216,442	PATEL, NRUPESH	3,216,802
NUNEZ CORTES, ANA KAREN	3,216,557	ORTIZ, EDISON U.	3,216,827	PATHARE, PRADIP M.	3,216,799
NUOVO PIGNONE		OISHIMA, KATSUHITO	3,216,124	PATNALA, SREEDHAR	3,216,168
TECNOLOGIE - S.R.L.	3,216,289	OTA, NAOKI	3,216,741	PAUKNER, SUSANNE	3,216,665
NUOVO PIGNONE		OTHEL-JACOBSEN, ERIK	3,216,453	PAUL, CAROLINE	3,216,206
TECNOLOGIE - S.R.L.	3,216,292	OTHEL-JACOBSEN, ERIK	3,216,455	PAUL, MICHAEL	3,216,183
NUOVO PIGNONE		OTHEL-JACOBSEN, ERIK	3,216,458	PEARSON, DAVID	3,216,088
TECNOLOGIE - S.R.L.	3,216,639	OUNI, TUOMAS	3,216,488	PEDERSEN, ANDERS	3,216,890
NUOVO PIGNONE		OXFORD UNIVERSITY		PENG, STANFORD L.	3,216,795
TECNOLOGIE - S.R.L.	3,216,644	INNOVATION LIMITED	3,215,997	PENGO, DANIELE	3,216,325
NUOVO PIGNONE		P.E. LABELLERS S.P.A.	3,216,412	PEPOSE, JAY STUART	3,216,328
TECNOLOGIE - S.R.L.	3,216,650	PACKSIZE LLC	3,216,223	PERALA, PETRI	3,216,481
NUSSBAUMER, OLIVER	3,216,225	PADEGIMAS, LINAS	3,216,533	PEREIRA, RICARDO MIGUEL	
NUSSBAUMER, PETER		PAGES, GILLES	3,216,385	LEITAO	3,215,992
NUVO RESIDENTIAL, LLC	3,216,716	PAIGE.AI, INC.	3,216,935	PERENTES, ALEXANDRE	3,216,666
DBA NUVOH2O	3,216,547	PAIGE.AI, INC.	3,216,960	PERFETTINI, JEAN-LUC	3,216,227
NYKODE THERAPEUTICS		PAINTER, GEORGE R.	3,216,679	PERI, AVIYAH	3,216,276
ASA	3,216,720	PALFREYMAN, MICHAEL	3,216,799	PERKINS, NICHOLAS REED	3,216,883
O'LUANAIGH, NIAMH	3,216,433	PALMER, CHARLES F. JR.	3,216,463	PERLE, AMIR	3,216,142
OBERDORF, JOS	3,216,657	PALMQVIST, LARS	3,216,716	PERLMUTTER, DAVID	3,216,154
OCADO INNOVATION		PALMQVIST, RICHARD	3,216,677	PERROTTI, CHESTER	3,216,749
LIMITED	3,216,854	PALOVA-JELINKOVA, LENKA	3,216,716	PERRY, NICHOLAS	3,216,758
OCUPHIRE PHARMA, INC.	3,216,328	PAN, YU	3,216,656	PERRYMAN, DAVID	3,216,679
ODA, HIROMI	3,216,865	PAN, ZHIXIANG	3,216,095	PESARU, NARMADA	3,216,161
ODEN, ROSS JAY	3,216,322	PANELLA, ENNIO	3,216,515	PETERS, JOSEPH R.	3,216,779
OELMANN, TOBIAS	3,216,134	PANG, JIAHAO	3,216,786	PETERSON, JAMES	3,216,240
OERUM, HENRIK	3,216,091	PANG, QUANQUAN	3,216,099	PETERSON, RANDY	3,216,401
OESTERLING, GRANT	3,216,259	PANJWANI, MOHAMMED		PETERSON, RICHARD	3,216,472
OGAKI, SOICHIRO	3,216,252	KAZIM	3,216,709	PETERSON, S. BARRETT	3,216,804
OGUNDIPE, SEGUN	3,216,824	PAPE, FELIX	3,216,503	PETRA PHARMA	
OH, SANG-HYUN	3,216,826	PARAGON 28, INC.	3,216,167	CORPORATION	3,216,800
OH, YOUNG HO	3,216,683	PARATA SYSTEMS, LLC	3,216,496	PETTAZZONI, PIERGIORGIO	
OHGAYA, SYUNJI	3,216,690	PARATI, GIAN BATTISTA	3,215,984	FRANCESCO TOMMASO	3,216,220
OHIO STATE INNOVATION		PARAVIDINO, PIERO	3,216,325	PFEIFFER, PAULINE	3,216,383
FOUNDATION	3,216,761	PAREYT, BRAM	3,216,797	PFLAUM, CHRISTIAN	3,216,143
OHL, SEBASTIEN	3,216,648	PARISE, CHIARA	3,216,622	PFNONWOVENS HOLDING	
OHMAN, JOHAN FREDRIK	3,216,901	PARK, JONG-SUK	3,216,293	S.R.O.	3,216,527
OHMAN, LARS	3,216,680	PARK, SUNGHAE	3,216,005	PFNONWOVENS HOLDING	
OKAMOTO, TOSHIHIRO	3,216,264	PARK, YOUNG WHAN	3,216,629	S.R.O.	3,216,560
OKII, ERIKA	3,216,313	PARKER-HANNIFIN		PFNONWOVENS LLC	3,216,527
OKSUZ, TUGBA	3,216,376	CORPORATION	3,216,120	PFNONWOVENS LLC	3,216,560
OLIVEIRA, ENE PIRES DE	3,215,992	PARKS, DARRELL	3,216,607	PHILIP, BRADLEY S.	3,216,707
OLIVERES, PAU	3,173,149	PARKS, IAN	3,216,854	PHILIPP, BRITTA	3,216,670
OMORI, YU	3,216,667	PARMAR, RUBINA GIARE	3,216,873	PHIMISTER, ANDREW	3,216,258
OMRI, BEN	3,216,185	PARMAR, RUBINA GIARE	3,216,875	PIASHEVICH, ALIAKSANDR	3,216,452
OMURA, YOSHIHITO	3,216,690	PARMAR, RUBINA GIARE	3,216,877	PIASHEVICH, ALIAKSANDR	3,216,454
ONCOC4, INC.	3,216,324	PARSONS, JOHN C.	3,216,527	PICADO, ALFREDO	3,216,800
ONCOCUBE THERAPEUTICS		PARSONS, JOHN C.	3,216,560	PIGAZZI, MARTINA	3,216,175
LLC	3,216,541	PARSONS, KURT	3,216,348	PIGHETTI, MELISSA	3,216,614
ONGARO, ALBERTO	3,216,480	PARTILLION BIOSCIENCE		PILON-THOMAS, SHARI	3,216,691
ONODERA, TATSUHIRO	3,216,316	CORPORATION	3,215,070	PIMPARADE, MANJEET	3,216,743
ORACLE INTERNATIONAL		PASRICHA, SANT-RAYN	3,216,859	PINCHMAN, JOSEPH ROBERT	3,216,373
CORPORATION	3,216,158	PASTIER, FLORIAN	3,216,068	PINGILI, RATNAKAR	3,216,479
ORASURE TECHNOLOGIES,		PASTIFICIO RANA S.P.A.	3,216,747	PINTENS, AN	3,216,723
INC.	3,216,446	PATEL, AMIT	3,216,825	PIPELINE THERAPEUTICS,	
ORASURE TECHNOLOGIES,		PATEL, ANKUR	3,216,881	INC.	3,216,545
INC.	3,216,451	PATEL, ASHISH D.	3,216,626	PIRAS, RICCARDO	3,216,556
ORAVECZ, TAMAS	3,216,358	PATEL, HARSH	3,216,832	PISANI, EMILIA	3,216,432
ORBSURGICAL LTD.	3,216,635	PATEL, HIREN	3,216,744	PISTORIUS, DOMINIK	3,216,880
ORCA SURGICAL LTD.	3,216,284	PATEL, KEYUR	3,216,568	PITLICK, WILLIAM H.	3,216,328
ORGANOCLICK AB	3,216,082	PATEL, KEYUR	3,216,581	PLANTARC BIO LTD.	3,216,469
ORKLA HEALTH AS	3,216,848	PATEL, KEYUR	3,216,587	PLANTE, MARC RUDLOFF	3,216,835

## Index des demandes PCT entrant en phase nationale

PLASMATICA LTD.	3,216,142	RAHM, MICHAEL	3,216,109	REZVANI, KATY	3,216,557
PLEXIUM, INC.	3,216,530	RAIS, ADOLFO	3,216,165	RHEIN, NOAH	3,216,823
PLUG POWER INC.	3,216,641	RAJAGOPAL, SRIDHARAN	3,216,045	RICHARD, GILLES	3,216,432
PODOJIL, JOSEPH	3,216,867	RAJALINGARI, KARTHIK	3,215,998	RICHAUD, JOHAN	3,216,140
POHJOLA, JUUSO	3,216,481	RAKSHE, VISHAL	3,216,873	RICKERSON, COOPER RYAN	3,216,465
POIROT, LAURENT	3,216,563	RAKSHE, VISHAL	3,216,877	RIEDL, ROSEMARIE	3,216,665
POLAND, MATTHEW D.	3,216,833	RAMACHANDRAN, SRIDHAR	3,216,835	RINGEL, YEHUDA	3,216,132
POLK IV, LOUIS	3,216,401	RAMARATNAM, KARTHIK	3,216,527	RIPENKO, VASYL	3,216,681
POLK, LOUIS	3,216,401	RAMARATNAM, KARTHIK	3,216,560	RISKI, JARI	3,216,481
POLLE, SEBASTIAN	3,216,509	RAMASWAMY, MADHU	3,216,395	RIVA POWER SYSTEMS	
POLLINGER, NORBERT	3,216,851	RAMASWAMY, RAMYA	3,216,546	GMBH & CO. KG	3,216,071
POLONSKI, OMRI	3,216,132	RAMASWAMY, RAMYA	3,216,550	RIVER STONE BIOTECH APS	3,216,380
POLOZOVA, ALLA	3,216,655	RAMCHANDREN, SINDHU	3,216,642	RIVIER, CEDRIC	3,216,115
POMAKHINA, ELENA	3,216,377	RAMOT, ROEE	3,216,880	RIVIER, CEDRIC	3,216,118
POMERANTZ, ANDREW EMIL	3,216,382	RANA, GIAN LUCA	3,216,747	ROBERTS, EZRA	3,216,163
PONS, JAUME	3,216,908	RANDOLPH, SOPHIA	3,216,908	ROBERTS, EZRA	3,216,372
POOLE, THOMAS H.	3,216,265	RANUM, PAUL	3,216,591	ROBINSON, SCOTTY II	3,216,223
POOLE, THOMAS H.	3,216,323	RANZINI, CRISTINA MARIA	3,216,660	ROBLES, EUSEBIO	
POOLE, THOMAS H.	3,216,327	RAO, SRINIVAS	3,216,889	MANCHADO	3,216,880
POON, CHUN HEI	3,216,242	RAO, SUDHA	3,216,329	ROCKAH, LIAT	3,216,102
PORAT STOLER, GANIT	3,216,029	RAO, TEJUS	3,216,572	ROCKETT, MATTHEW LUKE	3,216,347
PORTER, CHRISTOPHER L.	3,216,947	RAPPOLD, BRIAN		ROCNIK, JENNIFER L.	3,216,752
PORTOLES, JOSE	3,216,499	ALEXANDER	3,216,357	RODICK, ROBERT	3,216,708
POTOTSCHNIG, GERIT MARIA	3,216,800	RASS-HANSEN, JEPPE	3,216,000	RODRIGUEZ BARAHONA,	
POWELL, SEAN	3,216,658	RAUCH, HARTMUT	3,172,480	ELMO ENRIQUE	3,212,771
PPG INDUSTRIES OHIO, INC.	3,216,126	RAVELLA, FABIO	3,216,556	RODRIGUEZ, RAPHAEL	3,216,784
PPG INDUSTRIES OHIO, INC.	3,216,556	RAVIGNON, FABRICE	3,216,155	ROE, MATTHEW LEE	3,216,475
PRALONG, ANTOINE JEAN		RAVINDRANATHAN, SRUTHI	3,216,694	ROGLER, JOHN	3,216,140
WILLY	3,216,165	REBAR, EDWARD	3,216,346	ROINE, JORMA	3,216,481
PRATEL, JULIE S.	3,216,555	REBO, JUSTIN	3,216,236	ROL AB	3,216,594
PRATER, CURTIS S.	3,216,441	REDDY, JAYACHANDRA P.	3,216,258	ROLDAN SALDES, RAUL	3,216,621
PRESIDENT AND FELLOWS		REDX PHARMA PLC.	3,216,294	ROMANET, VINCENT	3,216,880
OF HARVARD COLLEGE	3,216,537	REED, AARON	3,216,266	RONCO, CYRIL	3,216,385
PRICE, JAMES	3,216,461	REENTS, BOB	3,216,781	ROOT, ADAM	3,216,429
PRIESTER, KENNETH	3,216,259	REFRACTORY		ROOT, ADAM	3,216,431
PRINCE, DAVID	3,216,073	INTELLECTUAL		ROPPE, JEFFREY	3,216,545
PROCUDAN A/S	3,216,853	PROPERTY GMBH & CO.		ROSEN, YIGAL	3,216,366
PRODEUS, AARON	3,216,873	KG	3,216,528	ROSENG, LARS	3,216,363
PRODEUS, AARON	3,216,875	REGENTS OF THE		ROSIER, ARNAUD	3,216,154
PRODEUS, AARON	3,216,877	UNIVERSITY OF		ROSKOS, LORIN	3,216,387
PROFOUND BIO US CO.	3,216,459	MINNESOTA	3,216,812	ROSKOS, LORIN	3,216,395
PROTRANSIT NANOTHERAPY		REGENTS OF THE		ROSS, JOHN F.	3,216,273
LLC	3,216,947	UNIVERSITY OF		ROSS, JOHN F.	3,216,278
PRUCHNIK, COREY	3,216,120	MINNESOTA	3,216,826	ROSSOTTI, MARTIN A.	3,216,274
PUENTENER, KURT	3,216,857	REGENXBIO INC.	3,216,744	ROST, SIMON	3,216,398
PUGLIESE, ALEXANDRE	3,216,666	REILY, TODD	3,216,878	ROTO FRANK OF AMERICA,	
PUIG BORREIL, ISABEL	3,216,090	REIM, STEFAN	3,215,987	INC.	3,216,710
PUISIS, JOHN	3,216,867	REINERT, DIRK	3,216,507	ROTTER, CHAD	3,216,779
PURATOS NV	3,216,797	REINKE, GERALD H.	3,216,636	ROUSE, TOMAS	3,216,387
PURCELL, KEVIN JOHN	3,216,229	REN, QICHAO	3,209,961	ROUSE, TOMAS	3,216,395
PUREWICK CORPORATION	3,216,625	RENGGLI, RAPHAEL	3,216,528	ROUSSEL-MAUPETIT,	
PURUCKER, THOMAS	3,216,661	RENHOWE, PAUL ALLAN	3,216,127	CAROLINE	3,216,586
PYROTEK, INC.	3,216,159	RENNER, THOMAS	3,216,912	ROUZIER, EDOUARD	3,216,673
QIAO, CHUNPING	3,216,744	RENNIE, GLEN ROBERT	3,216,127	ROWDEN, GAGE	3,216,826
QUACH, MAURICE	3,216,786	REPLIQUE GMBH	3,216,808	ROWLAND, JAMES	3,216,336
QUALCOMM INCORPORATED	3,216,820	RESEARCH INSTITUTE AT		ROYBAL, KOLE	3,216,882
QUANDELA	3,216,068	NATIONWIDE		ROYBAL, KOLE	3,216,882
QUARTON, PATRICIA	3,216,743	CHILDREN'S HOSPITAL	3,216,711	ROZEBOOM, FRANK	3,216,199
QUILL & QUAVER		RESEARCH INSTITUTE AT		RPRD DIAGNOSTICS, LLC	3,216,210
ASSOCIATES PTY. LTD.	3,216,229	NATIONWIDE		RUAG AMMOTEC AG	3,216,514
QUIMICA SINTETICA, S.A.	3,216,325	CHILDREN'S HOSPITAL	3,216,712	RUBIN, PAUL	3,216,236
RABINOWITZ, JOSEPH ELIAS	3,216,420	REUILLO, TRISTAN	3,216,629	RUBIN-PITEL, SHERYL B.	3,216,085
RADIN, DEAN	3,216,335	REUSCH, UWE	3,216,098	RUBSAMEN, REID	3,216,268
RAHILLY, MICHAEL K.	3,216,781	REVO INTERNATIONAL INC.	3,216,230	RUBSAMEN, REID	3,216,277

## Index of PCT Applications Entering the National Phase

RUCKERT, STEPHAN	3,216,651	SAREPTA THERAPEUTICS,	SEAGEN INC.	3,216,170
RUFFING, ANDREAS	3,216,183	INC.	SEATON, JONATHON R.	3,216,440
RUGE, JOHANNES	3,216,509	SARIC, MARIJA	SECURITY MATTERS LTD.	3,216,340
RUIZ CARMONA, SERGIO	3,216,090	SARNAIK, AMOD	SEIDIN, JONAS	3,216,184
RULE, JEFFREY	3,216,450	SASO, MITSUHIRO	SEIDEL, III RONALD D.	3,216,278
RUMBERGER, SEAN M.	3,216,539	SAUDI ARABIAN OIL COMPANY	SEIDEL, RONALD D. III	3,216,273
RUNE, JOHAN	3,216,184	SAVAGE, STEVEN	SEIFRIED, ERHARD	3,216,139
RUSHKIN, ILIA	3,216,366	SAVARD, JAMIE	SELECTA BIOSCIENCES, INC.	3,216,364
RUSSELL BRANDS, LLC	3,216,401	SAWIN, JONATHAN	SELLA-EREZ, ROTEM	3,216,622
RUSSON, AUSTIN	3,216,217	SAXENA, IRA	SELLER ROYAL GROUP S.P.A.	3,216,201
RWE GENERATION NL B.V.	3,216,399	SAYAG, JEAN-PHILIPPE	SEMINARA, ANTONIO	3,216,650
RWE GENERATION NL B.V.	3,216,906	SAYAG, JEAN-PHILIPPE	SEONG, RHO HYUN	3,216,524
RYAN, SHAWN	3,216,169	SAYYAE, MICHAEL S.	SEPEHR, MARYAM	3,216,256
SAAB AB	3,216,006	SCAMP, RYAN J.	SEPEHR, MARYAM	3,216,266
SACCOMANNO, ROBERT	3,216,900	SCHAARSCHMIDT, KEVIN MICHAEL	SEPTODONT OU SEPTODONT SAS OU SPECIALITES	
SACHS, ERIC CHRISTOPHER	3,216,881	SCHAFFNER, JORGE	SEPTODONT	3,216,432
SADE, HAGIT	3,216,340	SCHAEPER, UTE	SEREGIN, VADIM	3,216,820
SADHU, NAVEEN	3,216,045	SCHANZENBACH, CHRISTOPH	SERTCHOOK, HANAN	3,216,622
SADOWAY, DONALD R.	3,216,099	SCHARDT, AXEL	SESHAGIRI, KISHORE	3,216,532
SAED, GHASSAN	3,215,979	SCHARER, GUNTER	SESHAM, MEDHA	3,216,535
SAFEAI, INC.	3,216,836	SCHEPERS, OLIVER	SESMUNDO, JASON	3,216,818
SAFRAN LANDING SYSTEMS	3,216,605	SCHERICH, MEGAN S.	SETCHFIELD, ALEXANDER	3,216,003
SAGE PRODUCTS, LLC	3,216,535	SCHIEKER, MATTHIAS KLAUS	SEXTON, KRISTIN M.	3,216,535
SAGE THERAPEUTICS, INC.	3,216,542	SCHIRLE, MARKUS EBERHARD	SHAH, KOMAL	3,216,439
SAGIV, ADAM	3,216,142	SCHLUMBERGER CANADA LIMITED	SHAIK, ASHFAQ	3,216,532
SAHIN, OZGUR	3,216,541	SCHLYTTER-HENRICHSEN, CHRISTIAN	SHALITIN, DROR	3,216,469
SAINI, JANMEET SINGH	3,216,719	SCHMITZ, EMMA K.	SHALVI, ZVI	3,216,284
SAINT-GOBAIN ADFORS	3,216,442	SCHNEIDER, CHRISTIAN	SHANGHAI HENLIUS BIOTECH, INC.	3,216,342
SAINT-GOBAIN GLASS FRANCE	3,216,305	SCHNEIDER, DANIEL E.	SHANGHAI HUILIAN BIO-PHARM CO., LTD	3,173,511
SAINT-GOBAIN ISOVER	3,216,442	SCHNEIDER, DAVID L.	SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY, SINOPEC	
SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION	3,216,664	SCHNEIDER, STEPHEN E.	SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD.	3,216,233
SAITO, AYUMI	3,216,699	SCHOELLHAMMER, CARL	SHANI-MICHEL, GALIT	3,216,034
SAITO, MAMORU	3,216,734	SCHOLLIER, BERT	SHANK, ZACHARY R.	3,216,649
SALISBURY, REBECCA D.	3,216,816	SCHORK, MICHAEL	SHANKAR, UDAY	3,216,359
SALMA, NUNCIADA	3,216,367	SCHRADER, THOMAS	SHANTA, CHARLES	3,216,607
SAMANVAYA, KUMAR	3,216,808	SCHREIER, DOMINIK	SHAPIRO, GIDEON	3,216,073
SAMAYOA, PHILLIP	3,216,585	SCHREIDER, CHRISTIAN	SHAPIRO, NATHAN D.	3,216,088
SAMSUNG SDI CO., LTD.	3,216,704	SCHREIDER, DANIEL E.	SHARRATT, ANDREW	3,216,163
SAMUELS, YARDENA	3,216,276	SCHREIDER, DAVID L.	SHAUGHNESSY, RONAN	3,215,973
SANA BIOTECHNOLOGY, INC.	3,216,346	SCHREIDER, STEPHEN E.	SHAW, EDWARD E.	3,216,433
SANA BIOTECHNOLOGY, INC.	3,216,353	SCHROEDER, SCOTT D.	SHEAR, CHARLES LESTER	3,215,068
SANABRA LOEWE, MARC	3,216,269	SCHROEDER, SCOTT D.	SHEN, GUOBO	3,216,091
SANCHEZ, ALVARO	3,216,012	SCHUTTEL, MISCHA	SHENZHEN MICROBT ELECTRONICS	
SANCHEZ, STEVE	3,216,885	SCHUURMAN, THOMAS	SHI, QIONG	3,216,360
SANDBERG, TROY E.	3,216,172	SCHWANK GMBH	SHEPS, TAL	3,200,574
SANDER, ZACHARY	3,216,392	SCHWARTZE, JAN	SHERMER, CHARLES	3,216,861
SANDVIK LTD	3,216,310	SCHWING, ALEXANDER	SHERWOOD, GREGORY J.	3,216,625
SANDVIK LTD	3,216,422	SCHWINN, BRODIE	SHETH, KUNJ	3,216,812
SANDVIK MINING AND CONSTRUCTION OY	3,216,565	SCHWOERER, SIMON	SHI, LIUQING	3,216,153
SANDVIK MINING AND CONSTRUCTION TOOLS AB	3,216,621	SCOTTI, CHRISTINE M.	SHI, QIONG	3,216,700
SANDY, BRANDON	3,216,688	SEABRIDGE GOLD INC.	SHIN, SEUNG-YUB	3,216,785
SANGOUARD, GONTRAN	3,216,301	SEADVANCE	SHIN, WON KYUNG	3,216,293
SANKARAN, DURAIRAJA SANOFI	3,216,365	SEATON, JONATHON R.	SHIN-ETSU CHEMICAL CO., LTD.	3,216,683
SANOY, CORY ERNEST	3,216,005	SELEPTA THERAPEUTICS, INC.	SHINDO, HIDETOSHI	3,216,513
SAPOJNIKOV, SERGH SARAFIAN, ADAM ROBERT	3,216,811	SELA-EREZ, ROTEM		3,216,734
	3,216,618	SELERA ROYAL GROUP S.P.A.		
	3,216,618	SELEPTA THERAPEUTICS, INC.		
	3,216,893	SELEPTA THERAPEUTICS, INC.		

## Index des demandes PCT entrant en phase nationale

SHKILNYK, OKSANA	3,216,433	SMAAGARD, KYLE	3,216,238	STEMPLE, DEREK	3,216,430
SHMUELJ, GAL	3,216,340	SMETS, JOHAN	3,216,723	STENZEL, OLIVIA	3,216,493
SHOEMAKE, ELIJAH	3,216,641	SMITH, ALYSON	3,216,170	STEVENSON, MATTHEW	3,216,336
SHOEMAKER, CHARLES B.	3,216,468	SMITH, CHARLOTTE	3,216,323	STEWART, SETH THOMAS	3,216,933
SHORE DEFENCE LIMITED	3,216,841	SMITH, JASON K.	3,216,369	STEWART-JONES,	
SHORELINE BIOSCIENCES, INC.	3,216,765	SMITH, JEFFREY SCOTT	3,216,835	GUILLAUME	3,216,490
SHORT, GLENN	3,216,889	SMITH, JONATHAN	3,216,193	STICH, MADELINE	3,216,816
SHPALL, ELIZABETH	3,216,557	SMITH, MARK	3,216,495	STIENEKER, FRANK	3,216,600
SHUKOOR, MOHAMMED I.	3,216,799	SMOLIK, THEODORE JAMES	3,216,214	STOCKL, CHRISTIAN	3,216,109
SHUMLAK, URI	3,216,592	SMYTH, STUART	3,216,422	STOCKMASTER, MICHAEL H.	3,216,254
SHUMLAK, URI	3,216,775	SNIPE MEDICAL LTD	3,216,185	STOHLER, TORSTEN	3,216,912
SHYNG, CHARLES	3,216,420	SNYDACKER, DAVID HENRY	3,216,001	STOICESCU, DAN FLORIN	3,216,506
SHYR, THOMAS	3,216,239	SOCIEDAD QUIMICA ECOLOGICA SPA	3,212,771	STOKE SPACE TECHNOLOGIES, INC.	3,216,391
SHYU, KIMBERLY TASHNER	3,216,835	SOCIETE DES PRODUITS NESTLE S.A.	3,215,995	STOKE SPACE TECHNOLOGIES, INC.	3,216,392
SIDO, JESSICA	3,216,764	SOCIETE DES PRODUITS NESTLE S.A.	3,216,075	STORA ENSO OYJ	3,216,689
SIDWELL, PAUL	3,216,705	SOCIETE DES PRODUITS NESTLE S.A.	3,216,584	STORK, MATTHEW JOSEPH	3,216,222
SIEBERT, MAX	3,216,808	SOCIETE DES PRODUITS NESTLE S.A.	3,216,666	STOYNOV, STANIMIR	3,216,963
SIEGEL, DONALD L.	3,216,131	SOCIETE DES PRODUITS NESTLE S.A.	3,216,749	STRICKMANN, DIRK	3,216,665
SIEGEL, JASON	3,216,426	SOCIETE DES PRODUITS NESTLE S.A.	3,216,835	STROOT, JORG	3,216,681
SIEMEISTER, GERHARD	3,216,503	SOLIDIFICATION PRODUCTS INTERNATIONAL, INC.	3,216,749	STRYKER CORPORATION	3,216,611
SIEMENS ENERGY GLOBAL GMBH & CO. KG	3,216,174	SOMASCHI, NICCOLO	3,216,068	STUBER, RAPHAEL	3,216,507
SIEMENS ENERGY GLOBAL GMBH & CO. KG	3,216,248	SOMOS, INC.	3,216,835	SU, QUN	3,216,812
SIEMENS ENERGY GLOBAL GMBH & CO. KG	3,216,651	SONG, JIANHUI	3,216,837	SUAREZ, LESTER	3,216,491
SIEMENS ENERGY GLOBAL GMBH & CO. KG	3,216,661	SONG, QINGFANG	3,216,814	SUBLIME SYSTEMS, INC.	3,216,257
SIEVERT, JAMES	3,216,323	SONG, STEVEN XUQI	3,216,833	SUDIREDDY, BHASKAR	
SIEVERT, JAMES	3,216,327	SONG, WENDO	3,216,518	SUEZ, GAL	3,216,899
SIGMUND, DANIEL LOUIS	3,216,779	SONTUM, PER CHRISTIAN	3,216,195	SUGIURA, TAKUYA	3,216,622
SILCOCK, ALAN JAMES	3,216,179	SOOCH, MINA	3,216,328	SUI, KEHAN	3,212,395
SILCOCK, ALAN JAMES	3,216,180	SORRENTINO, JASON	3,216,710	SUKUMAR,	3,216,444
SILENCE THERAPEUTICS GMBH	3,216,859	SOTTILE, ROSA	3,216,709	MADHUSUDHANAN	3,216,358
SILVER, NATHANIEL	3,216,585	SPAEPEN, STIJN LOUIS	3,216,837	SUKUMARAN, SUJAY	3,216,611
SIM, BANG JANET	3,216,908	URSULA	3,216,283	SULVARIS INC.	3,216,396
SIMHADRI, RAMA KRISHNA	3,216,697	SPECTRUM BLUE AS	3,216,525	SUN, HAIFENG	3,216,303
SIMMS, BENJAMIN	3,216,401	SPEICHHINGER, JEFFREY J.	3,216,724	SUN, HUADONG	3,216,839
SIMOES-FREITAS, ANDRE	3,216,727	SPENCER, COLIN	3,216,268	SUN, SAI	3,216,233
SIMONELIS, JUSTIN	3,216,827	SPENCER, COLIN	3,216,277	SUN, YUCHUN	3,216,011
SIMS JR., KENNETH R.	3,216,359	SPENCER, MATTHEW	3,216,572	SUNNYBROOK RESEARCH INSTITUTE	3,216,417
SINGH ATTWAL PTY LTD	3,216,008	SPERINDIO, MATTEO	3,216,556	SUNRESIN NEW MATERIALS CO. LTD.	3,216,448
SINGH, RAHUL	3,216,635	SPIROVANT SCIENCES, INC.	3,216,495	SUNSHINE LAKE PHARMA CO., LTD.	3,216,002
SINGH, SANJAYA	3,216,358	SPORTS DATA LABS, INC.	3,216,255	SUONO BIO, INC.	3,216,870
SINGH, VARUN	3,216,572	SPRADLIN, JESSICA NICHOLE	3,216,614	SUTHERLAND, GARNETTE	3,216,635
SINGHAL, ANIL	3,216,355	SPRUGEL, TOBIAS	3,216,590	SUZUKI, JUNICHIRO	3,216,695
SINIBALDI, DOMINIC	3,216,395	ST-PIERRE, YVES	3,216,725	SUZUKI, KEIKO	3,216,416
SISGRASS B.V.	3,215,994	STAHL, HANSJORG	3,216,662	SUZUKI, MASARU	3,216,729
SIVANANDHAN, DHANALAKSHMI	3,216,045	STAHL, KARL-HERMANN	3,216,662	SUZUKI, TAKANORI	3,216,615
SLACK, DUSTIN	3,216,762	STAHLIN, ULRICH	3,216,675	SWAIN, NIGEL ALAN	3,216,693
SLACK, DUSTIN	3,216,793	STALLMAN, OLAF	3,216,842	SWAMI, ARCHANA	3,216,873
SLEEP NUMBER CORPORATION	3,216,763	STANG, SCOTT E.	3,216,644	SWAMI, ARCHANA	3,216,877
SLIWA, ROBERT JANUSZ	3,216,835	STANISTREET, TIMOTHY F.	3,216,375	SWAROOPI, PREM	3,216,168
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH	3,216,253	STARLING MEDICAL, INC.	3,216,165	SWEENEY, CONNOR	3,215,997
SLOPEK, RYAN	3,216,546	STASI, ALESSANDRA	3,216,153	SWINNEN, STEVEN	3,216,156
SLOPEK, RYAN	3,216,550	STEALTH LABELS BIOTECH AB	3,216,226	TABERNERO CATURLA, JOSEP	3,216,090
SLOPEK, RYAN	3,216,555	STEMMLER, RENE TOBIAS	3,216,672	TABUCHI, YUTAKA	3,216,798
SMAAGARD, KYLE	3,216,122	STEMMLER, RENE TOBIAS	3,216,674	TAFF, YUVAL	3,216,185
				TAIYUAN UNIVERSITY OF TECHNOLOGY	3,209,961
				TAK, HEE JAE	3,216,511

## Index of PCT Applications Entering the National Phase

TAKAHASHI, TOSHIHIDE	3,216,794	THE CLEVELAND CLINIC FOUNDATION	3,216,264	THESSELING, FLORIAN
TAKASHIMA, MIYUKI	3,216,695	THE CLOROX COMPANY	3,216,886	ALEXANDER LUDGER NORBERT
TAKEADA PHARMACEUTICAL COMPANY LIMITED	3,216,252	THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH	3,216,329	THIRRING, KLAUS (DECEASED)
TAL, NATALY	3,216,340	THE GENERAL HOSPITAL CORPORATION	3,216,367	THOMAS, MADHU
TALIC, RONI	3,216,284	THE J. DAVID GLADSTONE INSTITUTES, A TESTAMENTARY TRUST		THOMAS, RICHARD
TALLARICO, JOHN A.	3,216,614	THE MARLEY COMPANY LLC	3,216,708	THOMAS-ALYEKA, KAREN
TAMAI, KAZUKI	3,216,191	THE JOHNS HOPKINS UNIVERSITY	3,216,825	THOMAS-TRAN, RHIANNON
TAMAI, TAKAYUKI	3,216,313	THE KANSAI ELECTRIC POWER CO., INC.	3,216,395	THOMAS-TRAN, RHIANNON
TAMATE, SHUHEI	3,216,798	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,216,089	THOMPSON, ANNELINE CHRISTINE
TAMBURRO, LAUREN	3,216,593	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,216,825	THOMPSON, CRAIG B.
TAN GROW INC.	3,211,862	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,216,730	THOMPSON, KYLE
TAN, CHING THENG	3,216,584	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,216,614	THOMPSON, MORGAN
TANABE, SHINTARO	3,216,416	THE REGENTS OF THE UNIVERSITY OF MICHIGAN	3,216,426	THRIVE BV
TANAKA, HIROSHI	3,212,395	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	3,216,825	TIAN, DONG
TANAKA, TOSHIMASA	3,216,615	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	3,216,882	TIAN, WENBO
TANAKA, YUTA	3,216,519	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	3,216,882	TIAN, YE EDWARD
TANEJA, JYOTI	3,216,089	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY,	3,216,131	TIERNEY, NEENA
TANG, AMY	3,216,296	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY,	3,216,428	TILLMANN, BODO
TANG, HUNG CHEONG	3,216,112	THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH	3,216,285	TINSLEY, JON
TANG, JONATHAN	3,216,802	THEATRIN PHARMACEUTICALS INC.		TIPTON, JON
TANHA, JAMSHID	3,216,274	THEATRIN PHARMACEUTICALS INC.		TIRAMANI, GALIANO
TANIGAWA, RYOHEI	3,216,699	THEATRIN PHARMACEUTICALS INC.		TIRAMANI, PAOLO
TAO, QING	3,216,814	THEATRIN PHARMACEUTICALS INC.		TIROSH, OSNAT
TAPINOS, NIKOLAOS	3,216,828	THEATRIN PHARMACEUTICALS INC.		TISENTO THERAPEUTICS, INC.
TARAN, FREDERIC	3,216,227	THEATRIN PHARMACEUTICALS INC.		3,216,127
TATJER-RECORDA, LAURA	3,216,380	THEATRIN PHARMACEUTICALS INC.		TITANIUM METALS CORPORATION
TAYLOR, ANDREW ROBERT	3,216,817	THEATRIN PHARMACEUTICALS INC.		3,216,626
TAYLOR, DASIA	3,216,652	THEATRIN PHARMACEUTICALS INC.		TJADER, TAINA
TAYLOR, JAMES G.	3,216,163	THEATRIN PHARMACEUTICALS INC.		3,216,481
TAYLOR, JAMES G.	3,216,372	THEATRIN PHARMACEUTICALS INC.		TOBIAS, ANDREW K. JR.
TAYLOR, OLIVIA CLAIRE	3,216,883	THEATRIN PHARMACEUTICALS INC.		TODTER-KONIG, SASCHA
TDL INNOVATIONS, LLC	3,216,267	THEATRIN PHARMACEUTICALS INC.		TOKUDA, KOHEI
TECHNISCHE UNIVERSITAT MUNCHEN	3,172,480	THEATRIN PHARMACEUTICALS INC.		TOLRON, XAVIER
TEEVAN, NEIL B.	3,216,756	THEATRIN PHARMACEUTICALS INC.		TOMBROPOULOS, RHEA
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	3,216,184	THEATRIN PHARMACEUTICALS INC.		TONHAO, JOAO-OTAVIO
TEMA - TECHNOLOGIES AND MATERIALS SRL	3,216,216	THEATRIN PHARMACEUTICALS INC.		TOPOROV, DOBRIN
TEMPESTINI, MASSIMILIANO	3,216,639	THEATRIN PHARMACEUTICALS INC.		TOPPING, FREDERICK JAMES
TEMPLE THERAPEUTICS BV	3,215,979	THEATRIN PHARMACEUTICALS INC.		TOPSOE A/S
TENARIS CONNECTIONS B.V.	3,216,084	THEATRIN PHARMACEUTICALS INC.		TOPSOE A/S
TENAYA THERAPEUTICS, INC.	3,216,768	THEATRIN PHARMACEUTICALS INC.		TORAY INDUSTRIES, INC.
TENCENT AMERICA LLC	3,216,208	THEATRIN PHARMACEUTICALS INC.		TORRES, KARL
TEO, JIUNN	3,216,470	THEATRIN PHARMACEUTICALS INC.		TOSATTI, PAOLO
TERRAPOWER, LLC	3,216,437	THEATRIN PHARMACEUTICALS INC.		TOSHIBA DIGITAL SOLUTIONS CORPORATION
TERRAPOWER, LLC	3,216,623	THEATRIN PHARMACEUTICALS INC.		3,216,729
TERRAZAS VELARDE, KORINA	3,216,584	THEATRIN PHARMACEUTICALS INC.		TOSHIBA MATERIALS CO., LTD.
TESTOLIN, ANNA	3,216,687	THEATRIN PHARMACEUTICALS INC.		3,216,860
THAI, PATRICIA	3,216,153	THEATRIN PHARMACEUTICALS INC.		TOSHO, INC.
THAURE, THIERRY	3,216,575	THEATRIN PHARMACEUTICALS INC.		3,216,690
THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	3,216,645	THEATRIN PHARMACEUTICALS INC.		TOTALENERGIES ONETECH LTD.
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY	3,216,428	THEATRIN PHARMACEUTICALS INC.		3,216,427
THE CHILDREN'S HOSPITAL OF PHILADELPHIA	3,216,591	THEIS, THEODOR	3,216,466	TOYO COLOR CO., LTD.
THE CHILDREN'S MEDICAL CENTER CORPORATION	3,216,537		3,216,003	TOYRYLA, ANTTI
			3,216,859	TRAN, HUY NGOC
			3,216,859	TRAN, JOHN
			3,216,616	TRAN, TRI D.
			3,216,507	TRANCHIDA, DAVIDE DOMENICO
				3,216,377
				TRANSLATE BIO, INC.
				3,216,407
				TRASIEVA, TEODORA
				3,216,395
				TRETIKOVA, ANNA
				3,216,285
				TROSSAERT, GEERT
				3,216,338

## Index des demandes PCT entrant en phase nationale

TROWELL, KEENA	3,216,248	UNIVERSITY OF SOUTH-EASTERN NORWAY	3,216,363	VIROBUSTER INTERNATIONAL GMBH	3,216,778
TRUAN, BRANDON	3,216,738	UNOMEDICAL A/S	3,216,453	VIS, DRIES	3,216,199
TRUJILLO, RAFAEL	3,216,723	UNOMEDICAL A/S	3,216,455	VISION TECH BIO PTY LTD	3,216,160
TRUSTEES OF TUFTS COLLEGE	3,216,282	UNOMEDICAL A/S	3,216,458	VITERBO FAINZILBER, ADA	3,216,567
TRUSTEES OF TUFTS COLLEGE	3,216,468	UNOMEDICAL A/S	3,216,460	VOGLER, JULIAN	3,216,600
TRZOSS, LYNNIE	3,216,373	UPSIDE FOODS, INC.	3,216,557	VOGT, BOB	3,216,355
TSAI, GRACE SHIN-YEE	3,216,181	URRY, ROBIN SCOTT	3,216,202	VOIGT, JOHANNES H.	3,216,773
TSCAN THERAPEUTICS, INC.	3,216,553	US SYNTHETIC CORPORATION	3,216,217	VOITH PATENT GMBH	3,216,234
TSE, KAREN KA-YEN	3,216,179	USHIJIMA, MITSUYASU	3,216,804	VOM, EDUARDO	3,216,160
TSE, KAREN KA-YEN	3,216,180	USUI, DAICHI	3,216,695	VON COSMOS, NICOLAS	3,216,323
TSUBOTA LABORATORY, INC.	3,216,748	UTZ, PETER	3,216,860	VON COSMOS, NICOLAS	3,216,327
TSUBOTA, KAZUO	3,216,748	VA, PORINO JINJO	3,216,651	VON WALD, MATTHEW BURKE	3,216,475
TSUCHIYA, MINAMI	3,216,865	VAGICHERLA, KAMESWARA RAO	3,216,373	VON ZUR MUEHLEN, PATRICK ALEXANDER	3,216,730
TSUJIUCHI, TATSUYA	3,212,395	VALEMBOIS, GUY	3,216,161	VU HOLDINGS, LLC	3,216,348
TUCKER, ZACHARY D.	3,216,480	VALENZISE, GIUSEPPE	3,216,436	VU, THANH NAM	3,216,204
TUMMALA, RAJENDRA	3,216,387	VALMONT INDUSTRIES, INC.	3,216,786	VU, THANH NAM	3,216,474
TUMMALA, RAJENDRA	3,216,395	VALNZUELA, RACHEL ANNE PORRAS	3,216,202	VXBIOSCIENCES, INC.	3,216,708
TUOJIE BIOTECH (SHANGHAI) CO., LTD.	3,216,332	VALLAPUREDDY, ANIL KUMAR	3,216,206	VYAKARANAM, KIRAN	3,216,376
TUOMINEN, JARKKO	3,216,306	VALMET TECHNOLOGIES OY	3,216,306	VYAS, PARESH	3,215,997
TUPIN, CYRILLE	3,216,226	VALMONT INDUSTRIES, INC.	3,216,152	W.L. GORE & ASSOCIATES, INC.	3,215,068
TURKER, MUHAMMET ERKAM	3,216,371	VALMONT INDUSTRIES, INC.	3,216,619	W.L. GORE & ASSOCIATES, INC.	3,216,421
TURKER, MUHAMMET ERKAM	3,216,509	VAN EGDOM, ARIS JAN	3,216,199	WABNITZ, PAUL	3,216,616
TURNER, BARRY S.	3,216,441	VAN ORDEN, KATHERINE	3,216,625	WAGNER, ALLEN	3,216,739
TURNER, HARRY DEAN	3,216,817	VAN SON, CORNELIS	3,216,199	WAGNER, FLORIAN	3,216,590
TURNER, PENELOPE	3,216,629	JOSEPHUS ANDREAS	3,216,213	WAING, SEINN LAE	3,216,584
TURTINEN, SAMULI HEIKKI	3,216,314	VAN TRAN, NATHANIEL	3,216,122	WAKUNAGA PHARMACEUTICAL CO., LTD.	3,216,695
TYCO FIRE PRODUCTS LP	3,215,981	VANCIU, CHRIS	3,216,238	WALD, JEFFREY A.	3,216,542
UCHIDA, MASASHI	3,216,667	VANCOUVER BIOTECH LTD.	3,216,498	WALKER, NICOLA	3,216,672
UHL, TIM	3,216,300	VANDERSTEK, BRADLEY J.	3,216,217	WALKER, NICOLA	3,216,674
UHLMANN, ECKART	3,216,487	VANHOOZER, JUSTIN L.	3,216,535	WALKER, ROD	3,216,594
UKKOLA, KIMMO A.	3,216,441	VANLANDSCHOOT, KOEN	3,216,338	WALKER, SEAN E.	3,216,816
UL LLC	3,216,482	VANLUCHENE, YVAN	3,216,338	WALLER, EDMUND K.	3,216,694
ULTRASIGHT LTD	3,216,029	VANNINI, GIUSEPPE	3,216,639	WALTER, DANIEL J.	3,216,623
UMECRINE COGNITION AB	3,216,680	VARADI, JANOS	3,216,808	WALTON, DAN	3,216,739
UMINO, TATSUYA	3,216,794	VARGAS, JOREL E.	3,216,407	WAN, HONG	3,216,908
UMLAND, KLAUS-DANIEL	3,215,987	VECCHIO, CHRISTOPHER J.	3,215,068	WANG, CHANG	3,216,761
UNGER, ANKE	3,216,716	VECTOR MAGNETICS LLC	3,216,821	WANG, CHUNLIN	3,216,319
UNITED STATES GYPSUM COMPANY	3,216,299	VEERAMACHANENI, KALYAN KUMAR	3,216,548	WANG, HUA-YU	3,216,800
UNIVERSAL CITY STUDIOS LLC	3,216,715	VEIT, TOBIAS	3,216,183	WANG, JIANCHENG	3,216,002
UNIVERSAL CITY STUDIOS LLC	3,216,722	VEMPATI, SRIDHAR	3,216,541	WANG, JIE	3,216,303
UNIVERSITAT DE BARCELONA	3,216,090	VENDOMETRY INC.	3,216,302	WANG, JUN	3,216,173
UNIVERSITE COTE D'AZUR	3,216,385	VENNEGERTS, NADJA	3,216,411	WANG, LEI	3,216,459
UNIVERSITE DE MONTPELLIER	3,216,784	VENTEC LIFE SYSTEMS, INC.	3,216,818	WANG, LEI	3,216,564
UNIVERSITE PARIS-SARCLAY	3,216,227	VENTUS ENGINEERING GMBH	3,216,789	WANG, LILI	3,216,285
UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED	3,216,863	VERLEYE, MARC	3,216,262	WANG, LUSHENG	3,216,518
UNIVERSITY HEALTH NETWORK	3,216,702	VERMES MICRODISPENSING GMBH	3,216,678	WANG, WEI	3,216,303
UNIVERSITY OF CINCINNATI	3,216,462	VERSTREPEN, KEVIN JOAN	3,216,283	WANG, WEIBI	3,216,303
UNIVERSITY OF MARYLAND, BALTIMORE	3,216,324	VERTOSA INC.	3,216,593	WANG, XIAOJUN	3,216,002
UNIVERSITY OF ROCHESTER	3,216,146	VESUVIUS U S A CORPORATION	3,216,140	WANG, XIAOZHU	3,216,489
		VETIGENICS LLC	3,216,131	WANG, YALIN	3,216,397
		VICERO, INC.	3,216,468	WANG, YONG	3,216,011
		VICI METRONICS, INC.	3,216,617	WANG, YUXIN	3,216,286
		VIFOR (INTERNATIONAL) AG	3,215,987	WANG, ZHULUN	3,216,559
		VILES, ALISON	3,216,640	WANG-EVERS, MICHAEL	3,216,367

## Index of PCT Applications Entering the National Phase

WARD, ALISTAIR JAMES	3,216,817	WINNER, DEAN	3,216,739	YAMATO, KENTA	3,216,205
WARD, CARL C.	3,216,614	WINTERING, JENS HERMANN	3,216,487	YAN, MING	3,216,296
WARD, SIMON	3,216,629	WISE, DARYL	3,216,804	YAN, XIANG	3,216,664
WARD, SIMON	3,216,863	WITKOS, MACIEJ	3,216,803	YANDROFSKI, TYLER	3,216,206
WARNER, SHAWN	3,215,998	WITT, ERIC	3,216,424	YANG, CHENGLU	3,216,785
WASHBURN, BYRON LAIRD	3,216,547	WITT, ERIC	3,216,435	YANG, CHUANWEN	3,216,002
WAYNE FUELING SYSTEMS LLC	3,216,147	WITTY, ERIC	3,216,443	YANG, DUN	3,216,785
WAYVE, INC.	3,216,504	WODARCYK, GRETA	3,216,867	YANG, JIN	3,216,768
WEAVER, HARVEY L.	3,216,756	WOHLSTADTER, JACOB	3,216,872	YANG, JING	3,216,795
WEBBER, MARTIN	3,216,043	WOLFSON, SHUKI	3,216,142	YANG, JU	3,216,874
WEBER, GEORG F.	3,216,462	WOLL, KARL-LUDWIG	3,216,411	YANG, LI	3,216,360
WEBER, JAN	3,216,658	WOOD, AMY	3,216,823	YANG, PENGCHENG	3,216,261
WEBER, WOLFGANG	3,172,480	WOODFORD, WILLIAM HENRY	3,216,883	YANG, PENGCHENG	3,216,549
WECHSLER, THOMAS	3,216,809	WOODWARD, ROBERT	3,216,760	YANG, WEIGUO	3,216,916
WEI, QING	3,216,173	WOOSTER, TIMOTHY JAMES	3,216,075	YANG, WOO YOUNG	3,216,704
WEI, XIAWEI	3,216,360	WORKHORSE ATV, LLC	3,216,705	YANG, XIAOFENG	3,216,034
WEI, YUQUAN	3,216,360	WORMER-AIGMULLER, ALFONS	3,216,647	YANG, YUNLONG	3,215,986
WEINBERGER, LEOR S.	3,216,708	WORMER-AIGMULLER, ALFONS	3,216,892	YANG, ZHENG-YU	3,216,163
WEISS, ISSAHAR	3,216,029	WRIGHT, DAVID CRAIG	3,216,279	YANG, ZUOXING	3,200,574
WEITH, ABBEY	3,216,461	WRIGHT, LOGAN G.	3,216,316	YANGI AB	3,216,485
WELCH, MICHAEL BRIAN	3,216,800	WRIGHT, NATHAN E.	3,216,163	YASUI, SHINPEI	3,216,124
WELSBIE, DEREK	3,216,825	WRIGHT, NATHAN E.	3,216,372	YAZINSKI, STEPHANIE	3,216,184
WEN, JING	3,216,034	WRIGHT, NATHAN EDWARD	3,216,800	YEDA RESEARCH AND DEVELOPMENT CO. LTD.	3,216,875
WENDT, CHRISTOPHER ANTON	3,216,835	WU, CEDRIC	3,216,166	YEH, JEFFREY C.	3,216,276
WENNMAN, MARIA	3,216,082	WU, CHUNLI	3,216,314	YERRAMILLI-RAO, PADMAJA	3,216,754
WERNER, MAXIMILIAN	3,216,467	WU, DONGHUA	3,216,148	YIGIT, FEHMI	3,216,880
WEST, RYAN	3,216,629	WU, HAO	3,216,286	YORAN, NADAV	3,216,778
WESTLING, THOMAS A.	3,216,213	WU, JIANG	3,216,890	YOSHIHARA, TOMOKI	3,216,340
WESTROCK PACKAGING SYSTEMS, LLC	3,216,418	WU, JIANGTAO	3,216,893	YOSHINO KOGYOSHO CO., LTD.	3,216,770
WESTVAC BIOPHARMA CO., LTD.	3,216,360	WU, JUAN	3,209,961	YOUNG, DAVIN	3,216,615
WHEELER, BRANDON G.	3,216,172	WU, LIN	3,216,249	YOUNG, MARSHALL D.	3,216,425
WHIRLPOOL CORPORATION	3,216,779	WU, WENHUI	3,216,656	YU, CAIHONG	3,216,162
WHITE, RONALD	3,216,401	WU, WENTAO	3,216,321	YU, HAOFANG	3,216,814
WHITE, WENDY	3,216,395	WU, XIN	3,216,757	YU, JIA	3,216,835
WHITEHURST, BENJAMIN	3,216,693	WUERSCH, KUNO	3,216,321	YU, SHANSHAN	3,216,448
WICHA, WOLFGANG	3,216,665	WYLIE, BRET	3,216,880	YU, SHANSHAN	3,216,204
WICHMANN, JUERGEN	3,216,220	XAVIER, RENATO RUFINO	3,216,492	YU, SHANSHAN	3,216,474
WICKI, TOBIAS	3,216,270	XF TECHNOLOGIES INC.	3,216,165	YU, WAI LEUNG	3,216,863
WIDJAJA, TIEN	3,216,800	XI, YANG	3,216,413	YUDS, DAVID	3,216,240
WIEKAMP, ATE	3,216,400	XIANG, DONG	3,216,249	YUEN, ERIC	3,216,495
WIEKAMP, ATE	3,216,402	XIANG, PENG	3,216,655	YUEN, KATHY	3,216,802
WIEKAMP, ATE	3,216,464	XIAO, XIANG	3,216,448	YUHAN CORPORATION	3,216,293
WIEKAMP, ATE	3,216,477	XIE, TINGWAN	3,216,814	YUHAN CORPORATION	3,216,511
WIEKAMP, ATE	3,216,478	XIE, XIN JENNY	3,216,397	YUN, CHOL STEVEN	3,216,735
WILDERMUTH, MARY C.	3,216,089	XINTHERA, INC.	3,216,875	YUSUFI, MUSTAFA	3,216,781
WILHELMSSON, MARCUS	3,216,383	XIONG, RONG	3,216,373	ZABALOY, JULIAN IGNACIO	3,216,084
WILKEN, MICHAEL	3,216,134	XIONG, YIFENG	3,216,261	ZABLOCKI, MARY-	3,216,752
WILKINSON, CONOR	3,216,354	XIONG, YUAN	3,216,545	MARGARET	3,216,825
WILLIAMS, JASON DOUGLAS	3,216,857	XTEND AI INC.	3,216,280	ZACK, DONALD J.	3,216,527
WILLIAMS, KYLE	3,216,807	XU, HUA	3,216,618	ZAJACZKOWSKI, PETER	3,216,560
WILLIAMS, RICHARD THOMAS	3,216,104	XU, PENG	3,216,760	ZAJACZKOWSKI, PETER	3,216,325
WILSEY, MATT	3,216,809	XU, QIKAI	3,209,961	ZAMPIERI, MASSIMO	3,216,810
WILSON, JAMES M.	3,216,285	XU, TENG	3,216,553	ZANDE, CHRIS VAN DER	3,216,810
WILSON, JONATHAN E.	3,216,752	XU, WENFENG	3,216,754	ZANDE, WIM VAN DER	3,216,810
WILSON, JOSH	3,216,624	XUE, YONGER	3,216,342	ZAP ENERGY, INC.	3,216,592
WILSON, KEVIN J.	3,216,773	YADAV, SAROJ	3,216,761	ZAP ENERGY, INC.	3,216,775
WIN, LEANNE YIP HEUNG	3,216,817	YAGI, YUSUKE	3,216,394	ZARIFFA, JOSE	3,216,702
WINES, JAMES P.	3,207,325	YAHAGI, AKIRA	3,216,313	ZAWADZKI, MICHAEL	3,216,265
WINNARD, CHRISTOPHER	3,216,735	YAMAMOTO, MASAHIKO	3,216,513	ANDREW	3,216,323
		YAMASAKI, FUMINORI	3,216,416	ZAWADZKI, MICHAEL	
			3,216,194	ANDREW	

## Index des demandes PCT entrant en phase nationale

ZELDICH, YEKATERINA	3,216,340	ZHU, YAOWEI	3,216,642
ZENG, YIBIN	3,216,874	ZISAPEL, NAVA	3,216,790
ZENTRUM FUR KLINISCHE TRANSFUSIONSMEDIZIN		ZISCHINSKY, GUNTHER	3,216,716
TUBINGEN GGMBH (ZKT)	3,216,139	ZLAMAL, JAN	3,216,423
ZENZ-OLSON, ZAK	3,216,213	ZOETIC EQUIPMENT GROUP	3,216,738
ZEPECKI, JOHN	3,216,828	ZONG, QIAO	3,216,002
ZERO NOX, INC.	3,216,792	ZORDI, INC.	3,216,347
Zhai, WENRU	3,216,011	ZTE CORPORATION	3,216,286
ZHANG, ERSHAO	3,216,173	ZUCCHELLI, JEREMY	3,216,115
ZHANG, FANG	3,216,332	ZUCCHELLI, JEREMY	3,216,118
ZHANG, HAO	3,216,655	ZUCKER, GUY	3,216,649
ZHANG, HAO	3,216,700	ZUNIGA-PFLUCKER, JUAN CARLOS	3,216,417
ZHANG, HONGWEI	3,216,320	ZUREK, CHRISTIAN	3,216,156
ZHANG, HUI	3,173,511	ZURIS, JOHN ANTHONY	3,216,765
ZHANG, JING	3,216,785		
ZHANG, JINGWEN	3,216,256		
ZHANG, JINGWEN	3,216,266		
ZHANG, JINGYANG	3,216,034		
ZHANG, JUNHUI	3,216,837		
ZHANG, LEI	3,216,011		
ZHANG, LONGGUI	3,216,837		
ZHANG, NA	3,216,126		
ZHANG, PENGLIE	3,216,874		
ZHANG, PINGWU	3,216,825		
ZHANG, SARA YUE	3,216,256		
ZHANG, SARA YUE	3,216,266		
ZHANG, SHENQIU	3,216,785		
ZHANG, SIYU	3,216,233		
ZHANG, TINGHU	3,216,260		
ZHANG, WEI	3,216,209		
ZHANG, XIAOFAN	3,216,837		
ZHANG, YANG	3,216,757		
ZHANG, YAOPENG	3,216,011		
ZHANG, YI	3,216,530		
ZHANG, YINGXUN	3,216,002		
ZHANG, YUEBAO	3,216,761		
ZHANG, ZHI	3,216,820		
ZHANG, ZHONGHUA	3,216,916		
ZHAO, BAITENG	3,216,459		
ZHAO, CHENGLU	3,216,308		
ZHAO, HUI	3,216,837		
ZHAO, JI	3,216,099		
ZHAO, JIYUN	3,209,961		
ZHEJIANG UNIVERSITY	3,216,308		
ZHEN, XUE	3,216,812		
ZHENG, PAN	3,216,324		
ZHENG, QI	3,216,126		
ZHERNOSEKOV, KONSTANTIN	3,172,480		
ZHERSH, SERHII	3,216,681		
ZHIDONG, YAO	3,215,998		
ZHOU, BAISONG	3,216,249		
ZHOU, CAIHONG	3,216,034		
ZHOU, JUNLING	3,216,837		
ZHOU, YAN	3,216,444		
ZHOU, YONGSHENG	3,216,011		
ZHOU, ZHIQING (JOEL)	3,216,732		
ZHU, JIAJUN	3,216,253		
ZHU, LEI	3,216,809		
ZHU, MENGHAO	3,216,249		
ZHU, MIN	3,216,164		
ZHU, SHELDON	3,215,070		
ZHU, WENYUAN	3,216,757		

# 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

10X GENOMICS, INC.	3,216,609	FITZGERALD, KEVIN	3,216,595	LES LABORATOIRES
AGRESTA, SAMUEL V.	3,216,701	FOSTER, DONALD	3,216,595	SERVIER
ALNYLAM PHARMACEUTICALS INC.	3,216,595	FRENKEL, ANTON	3,215,809	LI, HESHENG
ALTO-SHAAM, INC.	3,216,368	FRIPP, MICHAEL LINLEY	3,216,207	LIU, BAI
ALTOR BIOSCIENCE CORPORATION	3,216,726	FROSELL, THOMAS JULES	3,216,207	LIU, QING
ASAKAWA, YUICHIRO	3,216,290	FROSTAD, TODD L.	3,216,574	LIU, VICTOR K.
ASCANO, MANUEL	3,216,501	FUNES, LUCAS MARCELO	3,216,856	LIU, YIZHOU
BAJZA, ERIC CHARLES	3,216,187	GAFFNEY, BARBARA L.	3,216,501	LUND MOTION PRODUCTS, INC.
BALASUBRAMANIAN, ASWIN	3,216,207	GAO, PU	3,216,501	LUND, INC.
BARCHET, WINFRIED	3,216,501	GLOBAL HEALTHCARE EXCHANGE, LLC	3,216,523	LUO, TAO
BEAN, GREGORY J.	3,216,879	GORMAN, JOHN G.	3,216,352	MAGIC LEAP, INC.
BETTENCOURT, BRIAN	3,216,595	GREENWALD, BRAYDON	3,216,847	MAIER, MARTIN
BHAT, GIREESH	3,216,207	GUSTAFSON, GARY L.	3,216,574	MANOHARAN, MUTHIAH
BIBB, WILLIAM FRANKLIN IV	3,216,077	HALLIBURTON ENERGY SERVICES, INC.	3,216,207	MARCUCCIO, SUZI MARIE
BIBB, WILLIAM FRANKLIN, VI	3,216,187	HARKEY, CHRISTOPHER C.	3,216,476	MARCUS, WARREN D.
BLACKWOOD, KIM CORVIN	3,216,281	HARTMANN, GUNTHER	3,216,501	MARSHALL, DALE R.
BORODOVSKY, ANNA	3,216,595	HARTMANN, JUERGEN	3,216,247	MATTILA, JOHN
BOWEN, DAVID J.	3,216,879	HASLETON, MARK	3,215,809	MAYERLE, DEAN
BRAGA, BOB	3,216,077	HEGEDUS, ALEXANDER M.	3,215,990	MCKISIC, AUBRA D.
BROWN, CLINT ADAM	3,216,207	HERMAN, DAREN W.	3,216,574	MEMORIAL SLOAN KETTERING CANCER CENTER
BUCHOLZ, BRANDON	3,215,990	HINDSON, BENJAMIN	3,216,609	MILLIGAN, JASON S.
BUFORD, JEREMY	3,216,368	HOLDERMAN, LUKE	3,216,207	MONSANTO TECHNOLOGY LLC
BUTLER, JAMES	3,216,595	HOWE, WILLIAM	3,216,297	MOROZOV, ANDREY K.
CALLAHAN, JOHN W.	3,216,574	HORNER, STEWART D.	3,216,033	MURAD, MICHAEL
CHARISSE, KLAUS	3,216,595	HOUGHTON, BRADLEY	3,216,879	MURATA MANUFACTURING CO., LTD.
CHAY, CATHERINE A.	3,216,879	JAMES	3,216,476	NEUMEIER, ZEEV
COCHRAN, STEVE	3,216,523	HOWE, ARLENE R.	3,216,290	NEWMAN, ROBERT
COLLETTE, MICHAEL	3,216,076	HUCK, KENNETH W.	3,216,076	NIKE INNOVATE C.V.
CONTINUUS MATERIALS INTELLECTUAL PROPERTY, LLC	3,216,521	HYDRO-QUEBEC	3,215,939	NORDSTROM, MATTHEW D.
CRAIN, STEPHEN G.	3,216,574	INSCAPE DATA, INC.	3,215,939	NORQUIST, THOMAS ROBERT
CUE HEALTH INC.	3,216,855	IONKIN, VALERIY	3,215,666	NUSEED GLOBAL INNOVATION LTD
CUJKJATI, DEBORAH	3,216,368	IONKINA, NATALYA	3,216,033	OAKDEN-GRAUS, JONATHON P.
DAIGLE, JEAN-CHRISTOPHE	3,216,290	JAMES, BRUCE	3,216,288	PARK, SANG KYU
DE CALIGNON, MARTIN BRAURE	3,216,523	JEROMSON, PETER JAMES	3,216,501	PASSMAN, JOSEPH ARTHUR
DEMARAIS, NICHOLAS	3,216,368	JETOPTERA, INC.	3,216,574	PATEL, DINSHAW J.
DIDUR, JOSHUA	3,216,368	JONES, ROGER	3,216,726	PEARSON INCORPORATED
DOLBY LABORATORIES LICENSING CORPORATION	3,216,692	KADALI, RAMESH	3,216,574	PEARSON, ALEX
EDWARDS LIFESCIENCES CORPORATION	3,216,740	KHATTAK, AYUB	3,216,297	PEHLKE, TRENT
EL TAHCHY, ANNA	3,216,668	KLUMP, LESLIE	3,216,351	PETRIE, JAMES ROBERTSON
EL-SEBAALY, HATEM	3,216,523	KOENIG, DAVID J.	3,216,595	PHILLIPS, WALTER
EVULET, ANDREI	3,216,288	KONG, LIN	3,216,368	PLAYCORE WISCONSIN, INC.
FALKBUILT LTD.	3,216,737	KOOSMANN, ADAM C.	3,216,574	POLARIS INDUSTRIES INC.
FARAHANI, FARHAD	3,216,692	KOSHKAROFF, IUSTINIA	3,216,297	PRIBADI, MARVIN
FEDENCZUK, LEON	3,215,666	KT&G CORPORATION	3,216,351	QI, FEI
FISHER, WILLIAM C.	3,216,574	KUCHIMANCHI, SATYANARAYANA	3,216,351	QUALCOMM INCORPORATED
		KULAKOWSKI, JOSEPH	3,216,595	RADHAKRISHNAN, REGUNATHAN
		LA-Z-BOY INCORPORATED	3,216,368	PLAYCORE WISCONSIN, INC.
		LEBOUTHILLIER, DANIEL	3,215,990	POLARIS INDUSTRIES INC.
		LEE, JONG SUB	3,110,331	PRIBADI, MARVIN
		LEE, SEUNG WON	3,216,351	QI, FEI
		LEITA, BENJAMIN ALDO	3,216,351	QUALCOMM INCORPORATED
			3,216,668	RADHAKRISHNAN, REGUNATHAN

**Index des demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

RAJEEV, KALLANTHOTTATHIL G.	3,216,595	WONG, HING C. WU, RAEANN RUIYUN WU, YANG YIN, YOUNG YOO, TAESANG YOON, SUNG WOOK	3,216,726 3,215,809 3,216,501 3,216,879 3,216,850 3,216,351
REGENERON PHARMACEUTICALS, INC.	3,216,345	YOU, LIJING ZAGHIB, KARIM	3,216,726 3,216,290
REILLY, JAMES	3,216,345	ZILLINGER, THOMAS	3,216,501
REYNOLDS, KYLE	3,216,668	ZINK, GERALD P.	3,216,869
RHODE, PETER	3,216,726		
RIEDMILLER, JEFFREY	3,216,692		
ROSE, BRENT LORENZ	3,216,077		
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	3,216,501		
SAINT-GOBAIN PERFORMANCE PLASTICS PAMPUS GMBH	3,216,247		
SAXONOV, SERGE	3,216,609		
SCHANKER, DAVE	3,216,523		
SEVER, CLINTON	3,216,855		
SHROYER, JONATHAN	3,216,077		
SHUKEIR, ELIYYA	3,215,666		
SINGH, SURINDER PAL	3,216,668		
SMITH, ANTHONY NICHOLAS	3,216,187		
SMITHERS, MICHAEL	3,216,692		
SPENCER, MATTHEW	3,216,521		
STACHURA, THOMAS	3,216,654		
STAIRS, ROBERT	3,216,345		
STOLLENWERK, THOMAS	3,216,368		
STONEAGE, INC.	3,216,869		
SUN, JING	3,216,850		
SUNCAST TECHNOLOGIES, LLC	3,216,027		
SUNCOR ENERGY INC.	3,215,666		
SUPUT, MARKO	3,216,521		
TEAM CONVEYER INTELLECTUAL PROPERTIES, LLC	3,216,352		
TEKOLSTE, ROBERT D.	3,216,566		
TELEDYNE INSTRUMENTS, INC.	3,216,449		
THAI, LINDA	3,216,740		
THARALDSON, JOSEPH D.	3,216,574		
THE ROCKEFELLER UNIVERSITY	3,216,501		
THUMA, MICHAEL	3,216,027		
TISCHENDORF, ANDY	3,216,368		
TRACY, JOSHUA	3,216,356		
TRINITY RAIL GROUP, LLC	3,216,476		
TRITANA INTELLECTUAL PROPERTY LTD.	3,216,847		
TUSCHL, THOMAS	3,216,501		
UESAKA, SHINICHI	3,216,290		
UFFNER, MICHAEL	3,216,027		
UNIVERSITY OF BONN	3,216,501		
UNOVA LIMITED	3,216,033		
VANHERCKE, THOMAS	3,216,668		
VOGLER, MICHAEL R.	3,216,027		
WADSWORTH, SAMANTHA	3,216,345		
WEBEE CORPORATION	3,216,856		
WECKERT, KIM A.	3,216,574		
WHALEN, THOMAS	3,216,368		
WINTEROWD, JACK G.	3,216,521		
WOLF, CHRISTOPHER G.	3,216,574		