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# The Patent Office Record

# La Gazette du Bureau des brevets



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# THE CANADIAN PATENT OFFICE RECORD

# LA GAZETTE DU BUREAU DES BREVETS

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

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

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

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

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# Notices

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

### Dates

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

### Code Numerals

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

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

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

# Avis

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

### Dates

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

### Chiffres de code

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

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

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

## Avis

### 2. Country Code

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

### 2. Code des pays

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

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

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

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

None

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

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

Aucun

## 9. Applications Open to Public Inspection

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

## 10. Language of Published Documents

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

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

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

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

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

## 9. Demandes mises à la disponibilité du public

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

## 10. Langue du document publié

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

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

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

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

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

## Notices

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

### 4. Late payment fee

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

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

**5. Handling fee (Rule 57.2(a))** **\$295**

**6. Preliminary examination fee (Rule 58)** **\$800**

\* International fees will be reduced by:

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

### 4. Taxe pour paiement tardif

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

## Examen préliminaire

**5. Taxe de traitement (Règle 57.2a)** **295 \$**

**6. Taxe d'examen préliminaire (Règle 58)** **800 \$**

\* Les frais seront réduits de:

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

## 12. PCT Notices

### Patent Cooperation Treaty (PCT)

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

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

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

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

## 12. Avis PCT

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

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

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

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

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

## 13. Practice Notice

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

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

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

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

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

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

## 13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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(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>

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

### 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,

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

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

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

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

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

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

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

## Notices

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

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

## 2. Electronic Correspondence

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

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

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

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

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

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

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

## 2. Correspondance électronique

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

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

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

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

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

## Avis

open for business.

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

### 2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

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

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

### 2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

## Notices

### Patents

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

### 2.2 Online

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

### Patents

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

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

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

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

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

### Trademarks

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

### Brevets

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

### 2.2 En ligne

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

### Brevets

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

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

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

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

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

### Marques de commerce

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

## Avis

accessing the following pages:

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

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

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

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

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

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

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

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

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

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

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

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

## Copyright

## Droits d'auteur

## Notices

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

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

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

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

## Industrial Designs

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

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

## Dessins industriels

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

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

## Integrated Circuit Topographies

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

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

## Topographies de circuits intégrés

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

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

## 2.3 Electronic medium

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

## 2.3 Supports électroniques

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

## Brevets

## Avis

### Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## Notices

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

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

## Electronic Media accepted by the Patent Office

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

## Trademarks and Industrial Design

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

## 3. Details Concerning the Electronic Formats Accepted

### Patents

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

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

When applicable, the Patent Office will accept files in the

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

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

### Supports électroniques acceptés par le Bureau des brevets

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

### Marques de commerce et dessins industriels

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

## 3. Précisions concernant les formats électroniques acceptés

### Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

## Avis

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

Format TIFF

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

Format PDF

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

ASCII

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

## Trademarks

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

## Industrial Design

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

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

## Marques de commerce

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

## Dessins industriels

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

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

## 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™, ou par Xpresspost™ 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 May 24, 2022 contains applications open to public inspection from May 8, 2022 to May 14, 2022.

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

La *Gazette du bureau des brevets* du 24 mai 2022 contient les demandes disponibles au public pour consultation pour la période du 8 mai 2022 au 14 mai 2022.

# Canadian Patents Issued

May 24, 2022

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  - [72] HARTHORN, DUANE, US
  - [72] WILLIAMS, GREG, US
  - [72] O'HALLORAN, JIM, US
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[72] WIKBERG, HANNE, FI  
[72] HENTZE, HANS-PETER, FI  
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- [54] IN SITU EXFOLIATION METHOD TO FABRICATE A GRAPHENE-REINFORCED POLYMER MATRIX COMPOSITE
- [54] PROCEDE D'EXFOLIATION IN SITU POUR FABRIQUER UN COMPOSITE MATRICIEL POLYMERIQUE RENFORCE AU GRAPHENE
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- [72] LYNCH, JENNIFER, US
- [72] KEAR, BERNARD, US
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 [54] COMPOSES DIONE CYCLIQUES (ALKYNYL-PHENYLE)- SUBSTITUES A ACTIVITE HERBICIDE ET LEURS DERIVES  
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 [72] WHALLEY, LOUISA, GB  
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 [54] PROCEDE, APPAREIL ET PRODUIT PROGRAMME INFORMATIQUE PERMETTANT D'ESTABLIR UNE IDENTIFICATION D'UN PROSPECT SUR LA BASE D'UNE LOCALISATION MOBILE  
 [72] SACCO, MARCUS, US  
 [72] SHARIFF, SHAFIQ, US  
 [72] KAHN, JADAM, US  
 [72] APARICIO, MIKE, US  
 [72] BANKS, JOSEPH E., US  
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 [72] WIEDUWILD, ROBERT, DE  
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 [54] REGROUPEMENT D'INTERVALLES DE TEMPS DE TRANSMISSION (TTI) POUR UN CANAL PHYSIQUE PARTAGE DE LIAISON DESCENDANTE (PDSCH)  
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 [72] XU, HAO, US  
 [72] GAAL, PETER, US  
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 [73] QUALCOMM INCORPORATED, US  
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 [72] KIMURA, SHIGERU, JP  
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  - [54] INDOLE-3-ALDEHYDE UTILISE POUR TRAITER DES TROUBLES IMMUNITAIRES DYSREACTIFS
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  - [72] PUCCETTI, PAOLO, IT
  - [72] ZELANTE, TERESA, IT
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  - [54] CAPTEUR FLUOROMETRIQUE MULTI-CANAL ET SON PROCEDE D'UTILISATION
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  - [54] IDENTIFICATION DE PANNE DE PUISSANCE ET ECHELONNEMENT DE REDEMARRAGES DE SYSTEME HVAC COLLABORATIFS AUTOMATISES
  - [72] BAYNES, ANDREW, US
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  - [54] SUIVI D'ARTICLE INTELLIGENT ET REPETITION DE COMMANDE D'UN ARTICLE EXPEDIE PAR LES INTERESSES
  - [72] GOODWIN, IAN, US
  - [72] MASUD, FAISAL, US
  - [72] AGARWAL, SHIV, US
  - [72] BARTLEY, RYAN, US
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- [73] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] SYSTEME ET PROCEDE DE COMMUNICATION SANS FIL POUR REALISER UNE COMMUNICATION SANS FIL DANS UN SYSTEME DE COMMUNICATION SANS FIL  
[72] QIN, ZHONGBIN, CN  
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[72] STOIBER, GERHARD, AT  
[72] STEINDL, GUNTER, AT  
[72] BURRI, JURG, CH  
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[54] PROCEDE POUR DETERMINER UN EQUIPEMENT COMPRENANT AU MOINS UNE LENTILLE OPTIQUE ET UNE MONTURE DE LUNETTES  
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[72] DESAI, SIDDHARTH, US  
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  - [54] DISPOSITIF D'ADMINISTRATION DE PRODUIT THERAPEUTIQUE A EJECTION DE CARTOUCHE SUIVANT UNE DETECTION D'ANOMALIE
  - [72] SHAPLEY, JULIAN, GB
  - [72] POWELL, MATTHEW, GB
  - [72] CLATWORTHY, CERI, GB
  - [72] CEFALI, JOSEPH, GB
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- [54] SEPARATION D'HYDROCARBURES D'UN MELANGE AQUEUX A L'AIDE D'UNE MEMBRANE D'OSMOSE INVERSE RESISTANTE A L'ENCRASSEMENT
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- [72] HAILEMARIAM, LEAELAF MENGISTU, US
- [72] PAUL, MOU, US
- [72] TOMLINSON, IAN A., US
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  - [72] SEGAL, ERIC, CA
  - [73] MINJECT INC., CA
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  - [72] DIEDERICHS, ROBERT, CA
  - [72] YEE, JERRY, CA
  - [73] CAMERON TECHNOLOGIES LIMITED, NL
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- [72] BERNARD, MILTON STANLEY, US
- [73] DREXEL CHEMICAL COMPANY, US
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  - [54] METHODE DE CONVERSION DE LIPIDES EN OLEFINES AU MOYEN DE L'IRRADIATION PAR MICRO-ONDES
  - [72] ULLAH, AMAN, CA
  - [72] ARSHAD, MUHAMMAD, CA
  - [73] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
  - [86] (2940889)
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- [54] ALLIAGE DE SERIE 7XXX POUR DES APPLICATIONS DE DEFENSE PRESENTANT UNE PERFORMANCE EQUILIBREE DE PERFORATION-FRAGMENTATION DE BLINDAGE
- [72] FRANKLIN, JACK, FR
- [72] JAQUEROD, CHRISTOPHE, CH
- [72] NIEDZINSKI, MICHAEL, US
- [73] CONSTELLIUM ROLLED PRODUCTS RAVENSWOOD, LLC, US
- [73] CONSTELLIUM VALAIS SA (AG-LTD), CH
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[54] SYSTEMS AND METHOD FOR DELIVERY OF THERAPEUTIC GAS TO PATIENTS, IN NEED THEREOF, RECEIVING BREATHING GAS FROM A VENTILATOR THAT VARIES AT LEAST PRESSURE AND/OR FLOW USING ENHANCED THERAPEUTIC GAS (NO) FLOW MEASUREMENT

[54] SYSTEMES ET PROCEDE DE DISTRIBUTION DE GAZ THERAPEUTIQUE A DES PATIENTS EN AYANT BESOIN ET RECEVANT UN GAZ RESPIRATOIRE PROVENANT D'UN VENTILATEUR QUI VARIE AU MOINS UNE PRESSION ET/OU UN FLUX A L'AIDE D'UNE MESURE DE FLUX DE GAZ THERAPEUTIQUE (NO) AMELIOREE

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[72] TOLMIE, CRAIG R., US

[73] MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED, IE

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[54] SYSTEM AND METHOD FOR LIGAMENT INSERTION IN KNEE JOINT SURGERIES USING ADAPTIVE MIGRATION OF LIGAMENT INSERTION GEOMETRY

[54] SYSTEME ET PROCEDE D'INSERTION LIGAMENTAIRE DANS DES INTERVENTIONS CHIRURGICALES DE L'ARTICULATION DU GENOU UTILISANT UNE MIGRATION ADAPTATIVE DE GEOMETRIE D'INSERTION LIGAMENTAIRE

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[72] D'LIMA, DARRYL, US

[73] ADVANCED MECHANICAL TECHNOLOGY, INC., US

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[54] PROCEDES, SYSTEMES ET DISPOSITIFS CONCERNANT L'IDENTIFICATION D'OBJETS EN TEMPS REEL

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[73] HORTICULTURE INNOVATION AUSTRALIA LIMITED, AU

[73] UNIVERSITY OF SOUTHERN QUEENSLAND, AU

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[54] SYSTEM AND METHOD FOR POWER CONTROL COMMAND FOR DEVICE-TO-DEVICE TRANSMISSIONS

[54] SYSTEME ET PROCEDE PERMETTANT UNE COMMANDE DE CONTROLE DE PUISSANCE POUR DES TRANSMISSIONS DE DISPOSITIF A DISPOSITIF

[72] BAGHERI, HOSSEIN, US

[72] SARTORI, PHILIPPE, US

[72] AL-SHALASH, MAZIN, US

[72] SOONG, ANTHONY C.K., US

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[54] UTILISATION D'UN POLYPEPTIDE AYANT UNE ACTIVITE DESOXYRIBONUCLEASE (DNASE)

[72] BALTSSEN, LILIAN EVA TANG, DK

[72] ALLESEN-HOLM, MARIE, DK

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- [54] **DETECTION DE SEGMENTS DE DELIMITATION DANS UNE VIDEO**
- [72] LI, RENXIANG, US
- [72] ISHTIAQ, FAISAL, US
- [72] EMEOTT, STEPHEN P., US
- [72] BRASKICH, ANTHONY J., US
- [73] ARRIS ENTERPRISES LLC, US
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- [54] **COMBINAISON D'EXTRAIT DE RACINE DE VALERIANE ET D'HUILE ESSENTIELLE DE LAVANDE POUR LE TRAITEMENT DES TROUBLES DU SOMMEIL**
- [72] DIMPFEL, WILFRIED, DE
- [72] NOLDNER, MICHAEL, DE
- [73] DR. WILLMAR SCHWABE GMBH & CO. KG, DE
- [85] 2016-12-21
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- [54] **PROCEDES DE FORMULATION DE PRODUITS ALIMENTAIRES DIETETIQUES**
- [72] MILLER, ROSALIND B., AU
- [72] BENNETT, LOUISE ELIZABETH, AU
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- [73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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- [73] RESITU MEDICAL AB, SE
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- [54] **PROCEDE DE DEMOULAGE D'UN MATERIAU COMPOSITE A MATRICE ORGANIQUE**
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- [72] JAUSSAUD, RAOUL, FR
- [73] SAFRAN AIRCRAFT ENGINES, FR
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- [25] EN
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- [72] BURAKOV, DARYA, US
- [72] CHEN, GANG, US
- [72] FANDL, JAMES P., US
- [73] REGENERON PHARMACEUTICALS, INC., US
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[72] LALANCETTE, JEAN-MARC, CA  
[72] LEMIEUX, DAVID, CA  
[73] KSM INC., CA  
[86] (2968257)  
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[22] 2017-05-24

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[13] C

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- [72] MCGEE, THOMAS, US
- [73] ILLUMINA, INC., US
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- [54] METHODS OF PRODUCING HETEROLOGOUS VIRAL NEURAMINIDASE PROTEINS IN MICROALGAE
- [54] METHODES DE PRODUCTION DE PROTEINES DE NEURAMINIDASE VIRALE HETEROLOGUE DANS DES MICROALGUES
- [72] APT, KIRK EMIL, US
- [72] BAYNE, ANNE-CECILE V., US
- [72] LIPPMEIER, JAMES CASEY, US
- [72] ZIRKLE, ROSS ERIC, US
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- [25] EN
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- [54] UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPLEMENT
- [72] HAYASHIDA, MAKOTO, JP
- [72] UESUGI, TETSUO, JP
- [72] YAMAGUCHI, KOJI, JP
- [72] YANO, TAKASHI, JP
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- [72] HASSSLER, NATHANIEL, DE
- [72] COSCIA, ANTONIO, DE
- [73] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
- [85] 2019-01-03
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- [54] POINT-VECTOR BASED MODELING OF PETROLEUM RESERVOIR PROPERTIES FOR A GRIDLESS RESERVOIR SIMULATION MODEL
- [54] MODELISATION BASEE SUR UN VECTEUR DE POINTS DE PROPRIETES DE RESERVOIR DE PETROLE POUR UN MODELE SANS GRILLE DE SIMULATION DE RESERVOIR
- [72] YARUS, JEFFREY MARC, US
- [72] SRIVASTAVA, RAE MOHAN, CA
- [72] ZAGAYEVSKIY, YEVGENIY, GB
- [72] FEI, JIN, US
- [72] PANDEY, YOGENDRA NARAYAN, US
- [73] LANDMARK GRAPHICS CORPORATION, US
- [85] 2018-12-28
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- [25] EN
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- [54] NOUVEAU MECANISME DE COUPLAGE DE TRAJET MAGNETIQUE DE TRANSMISSION SANS FIL D'ENERGIE ELECTRIQUE
- [72] XIA, CHENYANG, CN
- [72] REN, SIYUAN, CN
- [72] ZHENG, KAI, CN
- [72] LIU, LIMIN, CN
- [72] ZHU, CONG, CN
- [72] ZHU, WENTING, CN
- [72] CHEN, RUI, CN
- [72] MA, NIAN, CN
- [73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
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| <p style="text-align: right;">[11] <b>3,036,637</b><br/>[13] C</p> <p>[51] Int.Cl. H02P 9/04 (2006.01)<br/>[25] EN<br/>[54] HYDROELECTRIC POWER GENERATION SYSTEM<br/>[54] SYSTEME DE GENERATION D'ENERGIE HYDROELECTRIQUE<br/>[72] ABE, TAKAHIRO, JP<br/>[72] SUHARA, ATSUSHI, JP<br/>[72] YOKOYAMA, TAKAHIRO, JP<br/>[73] DAIKIN INDUSTRIES, LTD., JP<br/>[85] 2019-03-12<br/>[86] 2017-09-11 (PCT/JP2017/032620)<br/>[87] (WO2018/056088)<br/>[30] JP (2016-182609) 2016-09-20</p>  | <p style="text-align: right;">[11] <b>3,048,350</b><br/>[13] C</p> <p>[51] Int.Cl. C07D 311/80 (2006.01)<br/>[25] EN<br/>[54] CRYSTAL PURIFICATION IN A GLASS OR METAL CONTAINER<br/>[54] PURIFICATION DE CRISTAUX DANS UN RECIPIENT EN VERRE OU EN METAL<br/>[72] BETHERS, PRATT, US<br/>[72] GOODMAN, DAVID, III, US<br/>[73] BETHERS, PRATT, US<br/>[73] GRAY, LORIN, US<br/>[73] PETERS, RAETH, US<br/>[73] BETHERS, MARK, US<br/>[73] MAHGOUB, MAGDI, US<br/>[86] (3048350)<br/>[87] (3048350)<br/>[22] 2019-07-02<br/>[30] US (16/025,899) 2018-07-02</p>   |  |

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  - [54] ANTIBACTERIAL PHAGE, PHAGE PEPTIDES AND METHODS OF USE THEREOF
  - [54] PHAGE ANTIBACTERIEN, PEPTIDES PHAGIQUES ET LEURS PROCEDES D'UTILISATION
  - [72] DA COSTA GARCIA, MIGUEL ANGELO, PT
  - [72] MARTINS BARBOSA, ANA RAQUEL, PT
  - [72] RODRIGUES LEANDRO, CLARA ISABEL, PT
  - [72] RODRIGUES PARDAL DIAS ANTUNES MARCAL DA SILVA, FILIPA MARIA, PT
  - [72] SOUSA DE SAO JOSE, CARLOS JORGE, PT
  - [73] TECHNOPHAGE, INVESTIGACAO E DESENVOLVIMENTO EM BIOTECNOLOGIA S.A., PT
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- [54] SURVEILLANCE ET COMMANDE AUTOMATISEES DE SYSTEMES DE TRANSFORMATION D'ALIMENTS
- [72] YEAMAN, TIM, US
- [73] SAFE FOODS CORPORATION, US
- [85] 2019-07-23
- [86] 2018-01-24 (PCT/US2018/015042)
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  - [54] REACTIVE HOT MELT POLYURETHANE ADHESIVE WITH LOW MONOMERIC DIISOCYANATE CONTENT
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  - [72] PILLALAMARRI, SUNIL K., US
  - [72] KAUFFMAN, THOMAS F., US
  - [73] H.B. FULLER COMPANY, US
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- [54] COURROIE DE TRANSMISSION
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- [72] HINENO, YORIFUMI, JP
- [72] KAGEYAMA, MIKIO, JP
- [73] MITSUBOSHI BELTING LTD., JP
- [85] 2019-08-16
- [86] 2018-02-27 (PCT/JP2018/007368)
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- [30] JP (2017-035198) 2017-02-27
- [30] JP (2018-012694) 2018-01-29

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  - [25] EN
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  - [72] DAVIS, STEPHEN J., US
  - [72] CHAUVIN, DEWEY, US
  - [73] BAUER HOCKEY LTD., CA
  - [86] (3054530)
  - [87] (3054530)
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- [54] SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCEDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIES
- [72] ZHANG, YI, CN
- [73] 10353744 CANADA LTD., CA
- [86] (3057512)
- [87] (3057512)
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[54] A METHOD, AN ARRANGEMENT AND USE OF AN ARRANGEMENT OF PREPARING POLYMER  
[54] PROCEDE, AGENCEMENT ET UTILISATION D'UN AGENCEMENT POUR LA PREPARATION DE POLYMERES  
[72] KANELLOPOULOS, VASILEIOS, AT  
[72] KRALLIS, APOSTOLOS, FI  
[72] NYFORS, KLAUS, FI  
[72] ELOVAINIO, ERNO, FI  
[73] BOREALIS AG, AT  
[85] 2019-10-07  
[86] 2018-06-15 (PCT/EP2018/065938)  
[87] (WO2018/234175)  
[30] EP (17176804.7) 2017-06-20
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[25] EN  
[54] SPECIFIC HOPPING PATTERNS FOR TELEGRAM SPLITTING  
[54] MODELES DE SAUT SPECIFIQUES POUR SEGMENTATION DE TELEGRAMMES  
[72] WECHSLER, JOHANNES, DE  
[72] KILIAN, GERD, DE  
[72] BERNHARD, JOSEF, DE  
[72] SOLLER, DOMINIK, DE  
[72] KNEISSL, JAKOB, DE  
[72] JARRESCH, ALEXEJ, DE  
[72] MEYER, RAIMUND, DE  
[72] OBERNOSTERER, FRANK, DE  
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[85] 2019-10-10  
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[87] (WO2018/188814)  
[30] DE (10 2017 206 236.3) 2017-04-11
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[25] EN  
[54] MINE EXPLOITATION METHOD BASED ON STOPPING, SEPERATION AND FILLING CONTROL  
[54] METHODE D'EXPLOITATION MINIAIRE FONDEE SUR LE CONTROLE DES ARRETS, DE LA SEPARATION ET DU REEMPLISSAGE  
[72] ZHANG, QIANG, CN  
[72] ZHANG, JIXIONG, CN  
[72] WU, ZHONGYA, CN  
[72] JU, FENG, CN  
[72] WANG, JIAQI, CN  
[72] CHEN, YANG, CN  
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN  
[73] XUZHOU ZHONGKUANG BACKFILLING & MINING TECHNOLOGY CO., LTD., CN  
[85] 2019-10-28  
[86] 2019-04-01 (PCT/CN2019/080777)  
[87] (WO2020/062823)  
[30] CN (201811157747.2) 2018-09-30
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[13] C

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[25] EN  
[54] LOW PERMEABILITY AND HIGH STRENGTH WOVEN FABRIC AND METHODS OF MAKING THE SAME  
[54] TISSU A FAIBLE PERMEABILITE ET HAUTE RESISTANCE ET SON PROCEDE DE FABRICATION  
[72] HUNT, NEIL, GB  
[73] INVISTA TEXTILES (U.K.) LIMITED, GB  
[85] 2019-10-16  
[86] 2018-04-26 (PCT/US2018/029504)  
[87] (WO2018/204154)  
[30] US (62/500,192) 2017-05-02
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[13] C

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[25] EN  
[54] DEVICE AND KIT FOR DOSING AND DISPENSING NON-LIQUID MEDICINE  
[54] DISPOSITIF ET KIT DE DOSAGE ET DE DISTRIBUTION DE MEDICAMENT NON LIQUIDE  
[72] PAYTON, GARY, US  
[72] BRYANT, JEFF, US  
[72] FRANCAVILLA, FRANK, US  
[73] AMPLIPHARM PHARMACEUTICALS, LLC, US  
[85] 2019-10-22  
[86] 2017-12-15 (PCT/US2017/066824)  
[87] (WO2018/200034)  
[30] US (15/581,677) 2017-04-28  
[30] US (15/794,653) 2017-10-26
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[25] EN  
[54] REMOTE MONITORING OF ADSORBER PROCESS UNITS  
[54] SURVEILLANCE A DISTANCE D'UNITES DE TRAITEMENT D'ADSORBEURS  
[72] MCCOOL, RYAN, US  
[72] BJORKLUND, CHAD E., US  
[72] CHARR, JORGE, US  
[72] VERHULST, LUK, US  
[73] UOP LLC, US  
[85] 2019-10-25  
[86] 2018-04-27 (PCT/US2018/029942)  
[87] (WO2018/201041)  
[30] US (62/491,785) 2017-04-28  
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| <p style="text-align: right;">[11] <b>3,061,737</b><br/>[13] C</p> <p>[51] Int.Cl. H01L 39/24 (2006.01) H01L 21/768 (2006.01) H01L 23/532 (2006.01)</p> <p>[25] EN</p> <p>[54] PRECLEAN AND DEPOSITION METHODOLOGY FOR SUPERCONDUCTOR INTERCONNECTS</p> <p>[54] METHODOLOGIE DE PRE-NETTOYAGE ET DE DEPOT CONCERNANT D'INTERCONNEXIONS SUPRACONDUCTRICES</p> <p>[72] LUU, VIVIEN, US</p> <p>[72] KIRBY, CHRISTOPHER, US</p> <p>[72] WAGNER, BRIAN, US</p> <p>[72] RENNIE, MICHAEL, US</p> <p>[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US</p> <p>[85] 2019-10-28</p> <p>[86] 2018-05-04 (PCT/US2018/031139)</p> <p>[87] (WO2018/213024)</p> <p>[30] US (15/597,565) 2017-05-17</p> <hr/> <p style="text-align: right;">[11] <b>3,061,817</b><br/>[13] C</p> <p>[51] Int.Cl. H04N 21/2343 (2011.01) H04N 21/40 (2011.01) H04N 21/43 (2011.01) H04N 19/40 (2014.01) H04W 4/30 (2018.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR MIRRORING AND TRANSCODING MEDIA CONTENT</p> <p>[54] SYSTEMES ET PROCEDES DE DEDOUBLLEMENT MIROIR ET DE TRANSCODAGE D'UN CONTENU MULTIMEDIA</p> <p>[72] GRASSET, JEAN-FRANCOIS BENJAMIN, FR</p> <p>[73] ROVI GUIDES, INC., US</p> <p>[86] (3061817)</p> <p>[87] (3061817)</p> <p>[22] 2008-07-09</p> <p>[62] 2,691,719</p> <p>[30] US (11/827,649) 2007-07-11</p> | <p style="text-align: right;">[11] <b>3,061,833</b><br/>[13] C</p> <p>[51] Int.Cl. H04L 65/1069 (2022.01) H04L 69/24 (2022.01) H04L 65/1101 (2022.01)</p> <p>[25] EN</p> <p>[54] MANAGING NETWORK DEVICE</p> <p>[54] GESTION DE DISPOSITIF DE RESEAU</p> <p>[72] LUTZKY, MANFRED, DE</p> <p>[72] DOHLA, STEFAN, DE</p> <p>[72] DIETZ, MARTIN, DE</p> <p>[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE</p> <p>[85] 2019-10-29</p> <p>[86] 2018-05-17 (PCT/EP2018/063019)</p> <p>[87] (WO2018/211050)</p> <p>[30] EP (17171843.0) 2017-05-18</p> <hr/> <p style="text-align: right;">[11] <b>3,063,011</b><br/>[13] C</p> <p>[51] Int.Cl. B60D 1/58 (2006.01) B60D 1/36 (2006.01) B60R 11/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR DETECTING AND TRACKING OBJECTS</p> <p>[54] SYSTEME ET PROCEDE DE DETECTION ET DE SUIVI D'OBJETS</p> <p>[72] XU, ANQI, CA</p> <p>[72] LAMY-POIRIER, JOEL, CA</p> <p>[73] SERVICENOW CANADA INC., CA</p> <p>[86] (3063011)</p> <p>[87] (3063011)</p> <p>[22] 2019-11-28</p> <p>[30] US (62/772,729) 2018-11-29</p> <hr/> <p style="text-align: right;">[11] <b>3,063,748</b><br/>[13] C</p> <p>[51] Int.Cl. E04B 1/26 (2006.01) E04B 1/24 (2006.01) E04C 5/01 (2006.01) E04C 5/16 (2006.01) E04G 23/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ROLLING BLOCK RESTRAINT CONNECTOR</p> <p>[54] RACCORD DE RETENUE DE BLOC ROULANT</p> <p>[72] CANBY, TIMOTHY W., US</p> <p>[73] CANBY, TIMOTHY W., US</p> <p>[85] 2019-11-14</p> <p>[86] 2018-06-12 (PCT/US2018/037045)</p> <p>[87] (WO2018/236620)</p> <p>[30] US (15/629,570) 2017-06-21</p> | <p style="text-align: right;">[11] <b>3,064,477</b><br/>[13] C</p> <p>[51] Int.Cl. A47J 27/08 (2006.01)</p> <p>[25] EN</p> <p>[54] LID BODY AND PRESSURE COOKER</p> <p>[54] CORPS DE COUVERCLE ET AUTOCUISEUR</p> <p>[72] PENG, FENG, CN</p> <p>[73] FOSHAN SHUNDE MIDEA ELECTRICAL HEATING APPLIANCES MANUFACTURING CO., LTD., CN</p> <p>[85] 2019-11-21</p> <p>[86] 2017-11-08 (PCT/CN2017/109823)</p> <p>[87] (WO2019/061686)</p> <p>[30] CN (20171090803.8) 2017-09-29</p> <p>[30] CN (201721277746.2) 2017-09-29</p> <hr/> <p style="text-align: right;">[11] <b>3,064,628</b><br/>[13] C</p> <p>[51] Int.Cl. H04W 52/14 (2009.01)</p> <p>[25] EN</p> <p>[54] WIRELESS COMMUNICATION METHOD AND DEVICE</p> <p>[54] PROCEDE ET DISPOSITIF DE COMMUNICATION SANS FIL</p> <p>[72] CHEN, WENHONG, CN</p> <p>[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN</p> <p>[85] 2019-11-22</p> <p>[86] 2017-05-27 (PCT/CN2017/086305)</p> <p>[87] (WO2018/218415)</p> <hr/> <p style="text-align: right;">[11] <b>3,064,631</b><br/>[13] C</p> <p>[51] Int.Cl. H04W 72/04 (2009.01) H04W 72/14 (2009.01)</p> <p>[25] EN</p> <p>[54] METHOD AND DEVICE FOR TRANSMITTING DATA</p> <p>[54] PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES</p> <p>[72] TANG, HAI, CN</p> <p>[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN</p> <p>[85] 2019-11-22</p> <p>[86] 2017-06-14 (PCT/CN2017/088317)</p> <p>[87] (WO2018/227444)</p> |
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AUTOMATIC PARKING  
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VEHICLES  
[54] PROCEDE DE COMMANDE DE  
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DE COMMANDE DE  
STATIONNEMENT  
AUTOMATIQUE POUR  
VEHICULES  
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[72] NAKAGAWARA, HIDEMITSU, JP  
[72] NABESHIMA, HISAHIRO, JP  
[72] SAKURAI, YASUHIRO, JP  
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FOR ENCODING VARIABLE-  
LENGTH SIGNALING  
INFORMATION AND ZERO  
PADDING METHOD USING SAME  
[54] APPAREIL DE REMPLISSAGE  
PAR DES ZEROS PERMETTANT  
DE CODER DES INFORMATIONS  
DE SIGNALISATION DE  
LONGUEUR VARIABLE, ET  
PROCEDE DE REMPLISSAGE  
PAR DES ZEROS UTILISANT CET  
APPAREIL  
[72] PARK, SUNG-IK, KR  
[72] KWON, SUN-HYOUNG, KR  
[72] LEE, JAE-YOUNG, KR  
[72] KIM, HEUNG-MOOK, KR  
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FROM SHOCKS THAT COULD  
AFFECT AIRCRAFT LANDING  
GEAR  
[54] PROCEDE DE PROTECTION  
CONTRE LES CHOCS POUVANT  
AFFECTER UN ATERRISSEUR  
D'AERONEF  
[72] FORTIER, FLORENT, FR  
[72] DUBOIS, SEBASTIEN, FR  
[72] DAUPHIN, FLORENT, FR  
[73] SAFRAN LANDING SYSTEMS, FR  
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CONNECTION, AND WIND  
TURBINE COMPRISING SAME  
[54] COURONNE D'ORIENTATION  
POUR EOLIENNE ET EOLIENNE  
AINSII EQUIPEE  
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[73] WOBKEN PROPERTIES GMBH, DE  
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AND/OR IDENTIFYING ADENO-  
ASSOCIATED VIRUS (AAV)  
SEQUENCES AND ISOLATING  
NOVEL SEQUENCES IDENTIFIED  
THEREBY  
[54] METHODE DE DETECTION  
ET/OU D'IDENTIFICATION DE  
SEQUENCES DE VIRUS ASSOCIES  
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D'ISOLATION DE NOUVELLES  
SEQUENCES AINSI IDENTIFIEES  
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[72] WILSON, JAMES M., US  
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[54] PROCEDE DE PREPARATION DE CATALYSEURS ORGANOMETALLIQUES SOLUBLES DANS DES HYDROCARBURES  
[72] KOTTARI, NARESH, IN  
[72] RAJA, KANUPARTHY NAGA, IN  
[72] CHINTALAPATI, SIVA KESAVA RAJU, IN  
[72] PUDI, SATYANARAYANA MURTY, IN  
[72] SHARMA, BHAVESH, IN  
[72] MANGALA, RAMKUMAR, IN  
[72] CHALAPATHI RAO, PEDDY VENKATA, IN  
[72] VENKATESWARLU CHOUDARY, NETTAM, IN  
[72] GANDHAM, SRIGANESH, IN  
[73] HINDUSTAN PETROLEUM CORPORATION LIMITED, IN  
[85] 2019-12-06  
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[13] C

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[54] PROCEDE DE COMMUNICATION SANS FIL, DISPOSITIF TERMINAL, DISPOSITIF DE RESEAU ET N<sup>□</sup>UD DE RESEAU  
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[72] CHEN, WENHONG, CN  
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN  
[85] 2019-12-09  
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[72] KAPRE, SUBHASH V., US  
[72] DATTA, ANUP K., US  
[73] INVENTPRISE, LLC, US  
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[54] PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF TERMINAL, ET DISPOSITIF DE RESEAU  
[72] TANG, HAI, CN  
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN  
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[72] BROWN, CASY CLOUDLESS, US  
[72] LUC, KHUN BONG, US  
[73] VERSA POWER SYSTEMS LTD, US  
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  - [72] GUYER, ORVILLE B., US
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  - [72] PATTERSON, MITCHELL A., US
  - [72] DUNCAN, FLAVIA C., US
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  - [73] HA-INTERNATIONAL, LLC, US
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- [72] MA, MING, US
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- [73] LEIA INC., US
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  - [72] SALAZAR, ABRAHAM J., US
  - [72] COOK, DONALD A., US
  - [73] GIFFIN, INC., US
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- [73] THE PROCTER & GAMBLE COMPANY, US
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- [54] CARTOUCHE FLUIDIQUE/MICROFLUIDIQUE MOULEE PAR INJECTION INTEGREE AVEC UN CAPTEUR A BASE DE SILICIUM
- [72] LI, CHEN, US
- [72] ZHONG, CHENG FRANK, US
- [72] LIU, YU, US
- [72] OUYANG, YIWEN, US
- [73] MGI TECH CO., LTD., CN
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- [72] HOWLETT, LUKE RANDEL, US
- [73] F.N. HERSTAL, SA, BE
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- [25] EN
- [54] SYSTEM AND METHOD FOR ACOUSTIC ECHO CANCELLATION
- [54] SYSTEME ET PROCEDE DE SUPPRESSION DE L'ECHO ACOUSTIQUE
- [72] WYSS, FELIX IMMANUEL, US
- [72] VERGIN, RIVAROL, US
- [72] LYER, ANANTH NAGARAJA, US
- [72] GANAPATHIRAJU, ARAVIND, US
- [72] VLACK, KEVIN CHARLES, US
- [72] CHELUVARAJA SRINATH, US
- [73] INTERACTIVE INTELLIGENCE, INC., US
- [86] (3073412)
- [87] (3073412)
- [22] 2013-10-22
- [62] 2,888,894
- [30] US (61/717,156) 2012-10-23

[11] **3,073,599**

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- [25] EN
- [54] ANNULAR DIVIDED WALL COLUMN FOR AN AIR SEPARATION UNIT
- [54] COLONNE A PAROI DIVISEE ANNULAIRE POUR UNE UNITE DE SEPARATION D'AIR
- [72] SABODA, KEVIN J., US
- [72] BELANGER, PAUL W., US
- [72] LENZ, RICHARD D., US
- [72] LARSON, KIRK F., US
- [72] BROWN, STEVEN C., US
- [72] RICOTTA, JOHN P., US
- [72] CHEN, GUANG X., US
- [72] FAUST, JEREMY D., US
- [73] PRAXAIR TECHNOLOGY, INC., US
- [85] 2020-02-21
- [86] 2018-08-02 (PCT/US2018/044913)
- [87] (WO2019/040252)
- [30] US (62/550,269) 2017-08-25
- [30] US (16/042,307) 2018-07-23

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- [51] Int.Cl. B01D 3/14 (2006.01) B01D 3/32 (2006.01) B01J 19/30 (2006.01) B01J 19/32 (2006.01) F25J 3/04 (2006.01)

[25] EN

- [54] ANNULAR DIVIDED WALL COLUMN FOR AN AIR SEPARATION UNIT HAVING A RING SHAPED SUPPORT GRID
- [54] COLONNE A PAROI DIVISEE ANNULAIRE POUR UNE UNITE DE SEPARATION D'AIR AYANT UNE GRILLE DE SUPPORT EN FORME D'ANNEAU

[72] SABODA, KEVIN J., US

[72] BELANGER, PAUL W., US

[72] LENZ, RICHARD D., US

[72] LARSON, KIRK F., US

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[73] PRAXAIR TECHNOLOGY, INC., US

[85] 2020-02-21

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[54] ANALYSE D'ADN TUMORAL DANS UN ECHANTILLON ACELLULAIRE  
[72] LO, YUK MING DENNIS, CN  
[72] CHIU, ROSSA WAI KWUN, CN  
[72] CHAN, KWAN CHEE, CN  
[72] CHONG, KA CHUN, CN  
[72] ZEE, BENNY CHUNG YING, CN  
[73] THE CHINESE UNIVERSITY OF HONG KONG, CN  
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[54] DISPOSITIF D'AGRAFAGE DE VALVE  
[72] DAI, YUFENG, CN  
[72] YANG, HUIXIAN, CN  
[72] PAN, BINGYUE, CN  
[72] LI, TAO, CN  
[73] SHANGHAI HANYU MEDICAL TECHNOLOGY CO., LTD, CN  
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[86] 2018-08-09 (PCT/CN2018/099618)  
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[30] CN (201710977079.7) 2017-10-19  
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[25] EN  
[54] THREADED CONNECTION FOR PIPE AND METHOD FOR PRODUCING THREADED CONNECTION FOR PIPE  
[54] RACCORD FILETE POUR TUYAUX ET PROCEDE DE PRODUCTION D'UN RACCORD FILETE POUR TUYAUX  
[72] OSHIMA, MASAHIRO, JP  
[72] KIMOTO, MASANARI, JP  
[73] NIPPON STEEL CORPORATION, JP  
[73] VALLOUREC OIL AND GAS FRANCE, FR  
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[25] EN  
[54] STORAGE AND DELIVERY FOR A WATER TREATMENT SYSTEM AND METHOD OF USING THE SAME  
[54] STOCKAGE ET DISTRIBUTION POUR SYSTEME DE TRAITEMENT DE L'EAU ET SON PROCEDE D'UTILISATION  
[72] WILSON, STEVEN K., US  
[72] DIMOTSIS, GEORGE L., US  
[72] KIRCHNER, RICHARD A., US  
[73] ECOWATER SYSTEMS LLC, US  
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[25] EN  
[54] SIMULATED ANNEALING ACCELERATED OPTIMIZATION FOR REAL-TIME DRILLING  
[54] OPTIMISATION ACCELEREE DE RECUIT DE STABILISATION SIMULE POUR FORAGE EN TEMPS REEL  
[72] MADASU, SRINATH, US  
[72] RANGARAJAN, KESHAVA PRASAD, US  
[73] LANDMARK GRAPHICS CORPORATION, US  
[85] 2020-04-14  
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[25] EN  
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[54] UTILISATION DE LAPATINIB POUR LE TRAITEMENT DU CANCER  
[72] BING, NAN, US  
[72] BRILEY, LINDA PERRY, US  
[72] BUDDE, LAURA R., US  
[72] COX, CHARLES J., GB  
[72] SPRAGGS, COLINS F., GB  
[73] NOVARTIS AG, CH  
[86] (3080511)  
[87] (3080511)  
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- [25] EN
- [54] COMPOSITION FOR STIMULATING IMMUNE RESPONSES IN PLANTS
- [54] COMPOSITION POUR STIMULER LES REACTIONS IMMUNITAIRES DES PLANTES
- [72] HEBBELINCK, SEBASTIEN, US
- [73] ILICITOR LLC, US
- [86] (3080760)
- [87] (3080760)
- [22] 2020-05-14
- [30] US (62/848,256) 2019-05-15
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[13] C

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- [25] EN
- [54] METHODS AND SYSTEMS FOR SPATIALLY IDENTIFYING ABNORMAL CELLS
- [54] PROCEDES ET SYSTEMES DESTINES A IDENTIFIER SPATIALEMENT DES CELLULES ANORMALES
- [72] LEE, W. DAVID, US
- [72] BAWENDI, MOUNGI G., US
- [72] FERRER, JORGE, US
- [73] LUMICELL, INC., US
- [86] (3080998)
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- [25] EN
- [54] CEMENTITIOUS FOUNDATION CAP WITH POST-TENSIONED HELICAL ANCHORS AND METHOD FOR MAKING THE SAME
- [54] CAPUCHON POUR FONDATION CIMENTAIRE AVEC ANCRAGES HELICOÏDAUX POST-TENDUESET SON PROCEDE DE FABRICATION
- [72] HENDERSON, ALLAN P., US
- [73] TERRACON CONSULTANTS, INC., US
- [86] (3082307)
- [87] (3082307)
- [22] 2013-03-20
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- [25] EN
- [54] IMPROVED PROCESS FOR PRODUCING A LIQUID POTATO PRODUCT
- [54] PROCESSUS AMELIORE POUR PRODUIRE UN PRODUIT LIQUIDE A BASE DE POMMES DE TERRE
- [72] KIRTELLEY, NIGEL, US
- [72] LAUDANO, RAY, US
- [72] SPORS, DEREK E., US
- [72] SPIZZIRRI, LORA NICOLETTE, US
- [73] MCCAIN FOODS LIMITED, CA
- [86] (3083096)
- [87] (3083096)
- [22] 2020-06-10
- [30] US (62/859,542) 2019-06-10
- [30] US (16/894,116) 2020-06-05
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- [25] EN
- [54] CONTROL OF COMPRESSOR HAVING VARIABLE GUIDE VANES
- [54] COMMANDE D'UN COMPRESSEUR AYANT DES AUBES DIRECTRICES VARIABLES
- [72] KRISHNABABU, SENTHIL, GB
- [73] SIEMENS AKTIENGESELLSCHAFT, DE
- [85] 2020-05-22
- [86] 2018-12-12 (PCT/EP2018/084598)
- [87] (WO2019/121252)
- [30] EP (17208567.2) 2017-12-19
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[13] C

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- [25] EN
- [54] SAMPLE SUPPORT FOR THE TAKE-UP OF DRIED BLOOD CONSTITUENTS AND PROCESS FOR OBTAINING A MEMBRANE ELEMENT WITH DRIED BLOOD CONSTITUENTS
- [54] SUPPORT DE L'ECHANTILLON POUR PRENDRE DES CONSTITUANTS DE SANG SECHE ET PROCEDE POUR OBTENIR UN ELEMENT DE MEMBRANE AVEC CONSTITUANTS DE SANG SECHE
- [72] WEIMANN, ALF, DE
- [72] HONOLD, LISA, DE
- [72] SEISMANN, HENNING, DE
- [72] STOECKER, WINFRIED, DE
- [73] EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG, DE
- [86] (3083894)
- [87] (3083894)
- [22] 2020-06-17
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[25] EN  
[54] METHODS AND SYSTEMS FOR  
OPERATING AND MAINTAINING  
A DOWNHOLE WIRELESS  
NETWORK  
[54] PROCEDES ET SYSTEMES POUR  
LE FONCTIONNEMENT ET LA  
MAINTENANCE D'UN RESEAU  
SANS FIL DE FOND DE TROU  
[72] DISKO, MARK M., US  
[72] CLAWSON, SCOTT W., US  
[72] WALKER, KATIE M., US  
[72] ANGELES BOZA, RENZO M., US  
[72] SONG, LIMIN, US  
[72] DEFFENBAUGH, MAX, US  
[73] EXXONMOBIL UPSTREAM  
RESEARCH COMPANY, US  
[85] 2020-06-19  
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[30] US (62/611,864) 2017-12-29
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[25] EN  
[54] DUAL PUMPING ARRANGEMENT  
FOR A HOLLOW FIBER FILTER  
[54] AGENCEMENT DE POMPAGE  
DOUBLE POUR UN FILTRE A  
FIBRES CREUSES  
[72] PAVLIK, RUDOLF, US  
[73] REPLIGEN CORPORATION, US  
[85] 2020-06-29  
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[72] BAO, MINGHUA, CN  
[73] SUZHOU ZHONGCHUANG  
ALUMINIUM PRODUCTS CO., LTD.,  
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[25] EN  
[54] ELASTIC MATRIX  
DETERMINATION METHOD AND  
VIBRATION ANALYSIS METHOD  
FOR LAMINATED IRON CORE  
[54] PROCEDE DE DETERMINATION  
DE MATRICE D'ELASTICITE ET  
PROCEDE D'ANALYSE DE  
VIBRATION POUR UN NOYAU DE  
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[72] NAMIKAWA, MISAO, JP  
[72] KIJIMA, GOU, JP  
[73] JFE STEEL CORPORATION, JP  
[85] 2020-07-20  
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[30] JP (2018-009662) 2018-01-24
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[25] EN  
[54] LOGGING TOOL FERRITES AND  
METHODS OF MANUFACTURE  
[54] FERRITES D'OUTIL DE  
DIAGRAPIQUE ET PROCEDES DE  
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[72] GRIFFING, MATTHEW CHASE, US  
[72] MA, JIN, US  
[72] BITTAR, MICHAEL, US  
[73] HALLIBURTON ENERGY  
SERVICES, INC., US  
[85] 2020-07-21  
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[25] EN  
[54] AN INTEGRATED AIR COOLING  
AND ARC RESISTANT SYSTEM  
FOR MEDIUM VOLTAGE DRIVE  
[54] SYSTEME INTEGRE DE  
REFROIDISSEMENT D'AIR ET DE  
RESISTANCE A L'ARC POUR  
COMMANDE MOYENNE DE  
TENSION  
[72] IONESCU, BOGDAN CRISTIAN, US  
[73] SIEMENS AKTIENGESELLSCHAFT,  
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[54] SUGAR HYDROGENOLYSIS  
WITH MOLYBDENUM CO-  
CATALYST SELECTIVE FOR  
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[54] HYDROGENOLYSE DU SUCRE  
AVEC CO-CATALYSEUR AU  
MOLYBDENE SELECTIF POUR  
LA PRODUCTION DE GLYCOLS  
[72] MA, CHI CHENG, US  
[72] BRAZDIL, JAMES, US  
[73] ARCHER DANIELS MIDLAND  
COMPANY, US  
[85] 2020-08-07  
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[87] (WO2019/156854)  
[30] US (62/628,644) 2018-02-09

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[11] 3,092,018

[13] C

[51] Int.Cl. G01N 9/00 (2006.01) G01N 13/00 (2006.01) G01N 33/34 (2006.01)

[25] EN

[54] DISSOLUTION MONITORING METHOD AND APPARATUS  
[54] PROCEDE ET APPAREIL DE SURVEILLANCE DE LA DISSOLUTION

[72] HOLLINGSWORTH, JUSTIN CRAIG, US

[73] MICRO MOTION, INC., US

[85] 2020-08-21

[86] 2018-02-23 (PCT/US2018/019497)

[87] (WO2019/164512)

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[11] 3,092,413

[13] C

[51] Int.Cl. B01J 37/00 (2006.01) B01J 19/18 (2006.01)

[25] EN

[54] METHOD AND SYSTEM FOR TREATMENT OF SPENT CHLOROALUMINATE IONIC LIQUID CATALYST AND ALKALINE WASTEWATER

[54] PROCEDE ET SYSTEME DE TRAITEMENT DE CATALYSEUR LIQUIDE IONIQUE DE CHLOROALUMINATE USE ET D'EAUX USEES ALCALINES

[72] CHEN, CHUNMAO, CN

[72] LIU, ZHICHANG, CN

[72] YI, ZHONGJIN, CN

[72] ZHANG, RUI, CN

[72] LIANG, JIAHAO, CN

[72] MENG, XIANGHAI, CN

[72] LIU, HAIYAN, CN

[72] XU, CHUNMING, CN

[72] WANG, QINGHONG, CN

[73] CHINA UNIVERSITY OF PETROLEUM-BEIJING, CN

[85] 2020-08-27

[86] 2018-12-24 (PCT/CN2018/123215)

[87] (WO2019/165834)

[30] CN (201810172039.X) 2018-03-01

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[11] 3,093,204

[13] C

[51] Int.Cl. H04N 19/119 (2014.01) H04N 19/157 (2014.01) H04N 19/176 (2014.01)

[25] EN

[54] VIDEO CODING IN WHICH A BLOCK IS SPLIT INTO MULTIPLE SUB-BLOCKS IN A FIRST DIRECTION, WHEREBY INTERIOR SUB-BLOCKS ARE PROHIBITED FROM SPLITTING IN THE FIRST DIRECTION

[54] CODAGE VIDEO DANS LEQUEL UN BLOC EST DIVISE EN PLUSIEURS SOUS-BLOCS DANSUN PREMIER SENS, OU IL EST INTERDIT DE DIVISER LES SOUS-BLOCS INTERIEURSDANS LE PREMIER SENS

[72] SHASHIDHAR, SUGHOSH PAVAN, SG

[72] SUN, HAI WEI, SG

[72] LIM, CHONG SOON, SG

[72] LIAO, RU LING, SG

[72] TEO, HAN BOON, SG

[72] LI, JING YA, SG

[72] NISHI, TAKAHIRO, JP

[72] ABE, KIYOFUMI, JP

[72] KANO, RYUICHI, JP

[72] TOMA, TADAMASA, JP

[73] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US

[85] 2020-09-04

[86] 2019-03-04 (PCT/JP2019/008468)

[87] (WO2019/172203)

[30] US (62/638,620) 2018-03-05

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[11] 3,093,398

[13] C

[51] Int.Cl. A61B 17/16 (2006.01) A61B 5/01 (2006.01) A61B 17/34 (2006.01) A61B 17/88 (2006.01) A61B 18/14 (2006.01)

[25] EN

[54] SYSTEMS AND METHODS FOR CREATING CURVED PATHS THROUGH BONE AND MODULATING NERVES WITHIN THE BONE

[54] SYSTEME ET METHODES DE CREATION DE CHEMINS INCURVES A TRAVERS UN OS ET DE MODULATION DES NERFS AU SEIN DE L'OS

[72] PATEL, SAMIT, US

[72] PELLEGRINO, RICHARD, US

[72] FLAGLER, ROBERT, US

[73] RELIEVANT MEDSYSTEMS, INC., US

[86] (3093398)

[87] (3093398)

[22] 2013-11-01

[62] 2,889,478

[30] US (61/722,750) 2012-11-05

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[11] 3,095,876

[13] C

[51] Int.Cl. B42C 3/00 (2006.01) B42C 7/00 (2006.01) B42F 7/06 (2006.01)

[25] EN

[54] BOOKLET AND METHOD OF FORMING SAME

[54] CAHIER ET METHODE DE PRODUCTION

[72] BUECHEL, STEVEN, US

[72] VAN OOST, RANDY, US

[73] THE SEGERDAHL CORP. DBA SG360, US

[86] (3095876)

[87] (3095876)

[22] 2020-10-09

[30] US (63/051,831) 2020-07-14

[30] US (16/986,555) 2020-08-06

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May 24, 2022**

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[11] **3,101,731**  
[13] C

- [51] Int.Cl. H04W 4/12 (2009.01) H04W 76/14 (2018.01)
  - [25] EN
  - [54] COMMUNICATION SYSTEM
  - [54] SYSTEME DE COMMUNICATION
  - [72] KERNWEIN, JEFFREY D., US
  - [72] BURKE, BRYAN C., US
  - [72] CRAVEN, STEPHEN H., US
  - [72] MOORE, JAMES H., US
  - [72] HALL, WILLIAM C., US
  - [72] RICE, DANIAL, US
  - [73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
  - [86] (3101731)
  - [87] (3101731)
  - [22] 2020-12-04
  - [30] US (16/719,095) 2019-12-18
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[11] **3,103,953**  
[13] C

- [51] Int.Cl. A47F 1/04 (2006.01) A45C 11/18 (2006.01) B65D 83/12 (2006.01) G07C 15/00 (2006.01)
- [25] EN
- [54] IMPROVED LOTTERY TICKET DISPENSER
- [54] DISTRIBUTEUR DE BILLETS DE LOTERIE AMELIORE
- [72] WATSON, BRUCE, US
- [73] SCHAFER SYSTEMS (2018) INC., US
- [86] (3103953)
- [87] (3103953)
- [22] 2013-12-23
- [62] 2,838,195
- [30] US (13/835,647) 2013-03-15

[11] **3,113,346**  
[13] C

- [51] Int.Cl. C07D 311/80 (2006.01) A61K 9/72 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61P 17/00 (2006.01) C07C 51/353 (2006.01) C07C 51/42 (2006.01) C07C 65/03 (2006.01)
  - [25] EN
  - [54] CANNABINOID CARBOXYLIC ACIDS, SALTS OF CANNABINOID CARBOXYLIC ACIDS, AND THE PRODUCTION AND USES OF SAME
  - [54] ACIDES CARBOXYLIQUES DE CANNABINOÏDE, SELS D'ACIDES CARBOXYLIQUES DE CANNABINOÏDE, ET FABRICATION ET UTILISATION DESDITS ACIDES ET SELS D'ACIDES CARBOXYLIQUES DE CANNABINOÏDE
  - [72] STEUP, CHRISTIAN, DE
  - [72] HERKENROTH, THOMAS, DE
  - [73] TWEED INC., CA
  - [86] (3113346)
  - [87] (3113346)
  - [22] 2012-10-01
  - [62] 2,866,787
  - [30] DE (10 2011 114 528.5) 2011-09-29
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[11] **3,113,784**  
[13] C

- [51] Int.Cl. G06F 40/166 (2020.01) G06Q 10/10 (2012.01) G06F 40/103 (2020.01) G06F 40/186 (2020.01) G06F 40/56 (2020.01)
- [25] EN
- [54] AUTOMATED PRODUCTION OF DATA-DRIVEN REPORTS WITH DESCRIPTIVE AND RICH TEXT AND GRAPHICAL CONTENTS
- [54] PRODUCTION AUTOMATISEE DE RAPPORTS DIRIGES PAR DES DONNEES AVEC UN TEXTE DESCRIPTIF ET RICHE ET DES CONTENUS GRAPHIQUES
- [72] CHOE, KEESUP, GB
- [73] PREDICTX LIMITED, GB
- [85] 2021-03-22
- [86] 2019-05-23 (PCT/US2019/033864)
- [87] (WO2019/226965)
- [30] US (62/675,711) 2018-05-23
- [30] US (62/676,277) 2018-05-24

[11] **3,115,247**  
[13] C

- [51] Int.Cl. B61K 9/08 (2006.01) G06Q 10/06 (2012.01) G06F 3/0481 (2022.01) G06F 16/903 (2019.01) G06F 3/04842 (2022.01)
  - [25] EN
  - [54] METHOD AND SYSTEM FOR MANAGING INSPECTION OPERATIONS IN A RAILWAY INFRASTRUCTURE
  - [54] METHODE ET SYSTEME POUR GERER LES ACTIVITES D'INSPECTION D'UNE INFRASTRUCTURE DE CHEMIN DE FER
  - [72] TAYS, DWIGHT, CA
  - [72] LILLEY, DAVID, CA
  - [72] ABBOTT, BRIAN, CA
  - [73] CANADIAN NATIONAL RAILWAY COMPANY, CA
  - [86] (3115247)
  - [87] (3115247)
  - [22] 2008-08-22
  - [62] 3,101,150
  - [30] US (61/071,849) 2008-05-21
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[11] **3,121,190**  
[13] C

- [51] Int.Cl. G06F 16/24 (2019.01) G06Q 10/10 (2012.01) G06Q 40/08 (2012.01) G06Q 50/18 (2012.01) G06F 16/245 (2019.01) G06Q 30/00 (2012.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR IMPLEMENTING SEARCH AND RECOMMENDATION TOOLS FOR ATTORNEY SELECTION
- [54] SYSTEMES ET PROCEDES DE MISE EN ŒUVRE D'OUTILS DE RECHERCHE ET DE RECOMMANDATION POUR LA SELECTION D'AVOCATS
- [72] JIA, ZHE, US
- [72] NATHAN, HARI SARANG, US
- [72] LI, SHENG NAN, US
- [73] CLARA ANALYTICS, INC., US
- [85] 2021-05-27
- [86] 2019-11-26 (PCT/US2019/063435)
- [87] (WO2020/112896)
- [30] US (62/773,133) 2018-11-29

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**[11] 3,121,364**  
[13] C

- [51] Int.Cl. H02J 3/38 (2006.01) H02S 40/38 (2014.01) H02J 7/00 (2006.01) H02J 15/00 (2006.01)
  - [25] EN
  - [54] METHOD FOR CONTROLLING INTEGRATED RENEWABLE ELECTRIC GENERATION RESOURCE AND CHARGE STORAGE SYSTEM PROVIDING DESIRED CAPACITY FACTOR
  - [54] METHODE DE COMMANDE D'UNE RESSOURCE INTEGREE DE PRODUCTION D'ENERGIE ELECTRIQUE RENOUVELABLE ET SYSTEME DE STOCKAGE DE CHARGE OFFRANT UN FACTEUR DE CAPACITE SOUHAITEE
  - [72] AKYOL, BORA, US
  - [72] RAMESH, GAUTHAM, US
  - [72] HANSEN, LUKAS, US
  - [72] GARNEAU-HALLIDAY, PHILIPPE, US
  - [72] CARPENTER, BRANDON, US
  - [72] MONDAL, RAHUL, US
  - [73] 8ME NOVA, LLC, US
  - [85] 2021-06-07
  - [86] 2020-12-16 (PCT/US2020/065347)
  - [87] (3121364)
  - [30] US (63/020,009) 2020-05-04
  - [30] US (17/120,019) 2020-12-11
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**[11] 3,122,718**  
[13] C

- [51] Int.Cl. C04B 28/04 (2006.01) C04B 28/06 (2006.01) C04B 40/00 (2006.01)
- [25] EN
- [54] RAPID CURING MINERAL BINDER MIXTURE
- [54] MELANGE DE LIANTS MINERAUX DURCISSANT RAPIDEMENT
- [72] HETCHE, OLAF, DE
- [73] VENATOR GERMANY GMBH, DE
- [85] 2021-06-09
- [86] 2020-01-15 (PCT/EP2020/050858)
- [87] (WO2020/148307)
- [30] EP (19152549.2) 2019-01-18

**[11] 3,124,387**  
[13] C

- [51] Int.Cl. G01B 11/26 (2006.01) E21C 35/00 (2006.01)
  - [25] EN
  - [54] DEVICE AND METHOD FOR DETECTING ANGLE OF SHEARER ROCKER ARM BASED ON OPTICAL FIBER SENSING
  - [54] DISPOSITIF ET METHODE POUR DETECTER L'ANGLE DU CULBUTEUR D'UNE CISAILLE EN FONCTION D'UNE DETECTION PAR FIBRE OPTIQUE
  - [72] XU, SHAOYI, CN
  - [72] ZHU, ZHENCAI, CN
  - [72] LI, WEI, CN
  - [72] XING, FANGFANG, CN
  - [72] WANG, YUQIAO, CN
  - [72] XUE, HONGYU, CN
  - [72] PENG, QIANG, CN
  - [72] CHEN, GUANG, CN
  - [72] DONG, FENG, CN
  - [73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
  - [85] 2021-07-09
  - [86] 2020-07-07 (PCT/CN2020/100619)
  - [87] (WO2021/217877)
  - [30] CN (202010337685.4) 2020-04-26
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**[11] 3,125,322**  
[13] C

- [51] Int.Cl. B25B 7/00 (2006.01) B25B 7/02 (2006.01) B25B 13/08 (2006.01) B25B 13/12 (2006.01) B25B 13/50 (2006.01) B25B 23/00 (2006.01) B67B 7/00 (2006.01)
- [25] EN
- [54] PIPE WRENCH WITH IMPROVED DESIGN FOR SIDE BITE
- [54] CLE A TUBE A CONCEPTION AMELIOREE POUR MORSURE LATERALE
- [72] STEEN, NOAH THOMAS, US
- [72] GILMORE, KELSEY DAVID, US
- [73] APEX BRANDS, INC., US
- [85] 2021-06-28
- [86] 2019-12-20 (PCT/US2019/067802)
- [87] (WO2020/139749)
- [30] US (62/785,848) 2018-12-28

**[11] 3,129,556**  
[13] C

- [51] Int.Cl. A01G 22/30 (2018.01) A01G 24/28 (2018.01)
  - [25] FR
  - [54] METHOD AND DEVICES FOR REMOVING THE ACROTELME OF PEATLANDS
  - [54] METHODES ET APPAREILS POUR LE PRELEVEMENT DE L'ACROTELME DE TOURBIERES
  - [72] BELANGER, BERNARD, CA
  - [72] GAGNON, GUY, CA
  - [72] HOULE, ERIC, CA
  - [72] CARON, FREDERIC, CA
  - [72] LAVOIE, VALERIE, CA
  - [72] RICHARD, JEAN-LUC, CA
  - [72] PELLETIER, FRANCIS, CA
  - [72] CYR, ALEXANDRE, CA
  - [72] ROBERT, STEPHANE, CA
  - [73] PREMIER HORTICULTURE LTEE, CA
  - [86] (3129556)
  - [87] (3129556)
  - [22] 2020-04-08
  - [62] 3,088,102
  - [30] CA (3039879) 2019-04-09
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**[11] 3,131,150**  
[13] C

- [51] Int.Cl. H02P 9/04 (2006.01) H02H 7/06 (2006.01) H02J 3/38 (2006.01)
- [25] EN
- [54] ADVANCED CROSS-CURRENT COMPENSATION SYSTEM AND METHOD FOR ENHANCING REACTIVE CURRENT SHARING IN POWER GENERATION HAVING MULTIPLE GENERATORS
- [54] SYSTEME ET METHODE DE COMPENSATION AVANCEE EN CONTRE-COURANT POUR AMELIORER LE PARTAGE DE COURANT REACTIF DANS UN GROUPE ELECTROGENE COMPORTANT DE MULTIPLES GENERATRICES
- [72] KIM, KIYONG, US
- [72] WEBER, DANIEL, US
- [73] BASLER ELECTRIC COMPANY, US
- [85] 2021-08-20
- [86] 2020-02-21 (PCT/US2020/019299)
- [87] (WO2020/172578)
- [30] US (62/809,009) 2019-02-22

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[11] **3,132,668**

[13] C

[51] Int.Cl. H02K 1/06 (2006.01) H02K 11/21 (2016.01) H02K 11/30 (2016.01)  
[25] EN  
[54] ELECTRIC MOTORS AND METHODS OF CONTROLLING THEREOF  
[54] MOTEURS ELECTRIQUES ET METHODES DE COMMANDE  
[72] BUSSIERES, NORMAND, CA  
[72] MARTEL, PATRICK, CA  
[72] PARE, MATHIEU, CA  
[73] 121352 CANADA INC., CA  
[73] BUSSIERES, NORMAND, CA  
[85] 2021-11-17  
[86] 2021-04-26 (PCT/CA2021/050568)  
[87] (3132668)  
[30] US (63/015,566) 2020-04-25

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[11] **3,133,759**

[13] C

[51] Int.Cl. B64G 1/28 (2006.01)  
[25] EN  
[54] METHOD FOR ATTITUDE CONTROL OF A SATELLITE IN SURVIVAL MODE WITHOUT A PRIORI KNOWLEDGE OF THE LOCAL TIME OF THE SATELLITE'S ORBIT  
[54] PROCEDE DE CONTROLE D'ATTITUDE D'UN SATELLITE EN MODE SURVIE SANS CONNAISSANCE A PRIORI DE L'HEURE LOCALE DE L'ORBITE DU SATELLITE  
[72] NEUBRAND, YANNICK, FR  
[72] JULLIEN, ALEXANDRE, FR  
[72] SACHOT, MARIE, FR  
[73] AIRBUS DEFENCE AND SPACE SAS, FR  
[73] AIRBUS ONEWEB SATELLITES SAS, FR  
[85] 2021-09-15  
[86] 2020-03-16 (PCT/FR2020/050542)  
[87] (WO2020/188207)  
[30] FR (19 02868) 2019-03-20

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[11] **3,134,353**

[13] C

[51] Int.Cl. H04S 7/00 (2006.01)  
[25] EN  
[54] SYSTEM AND TOOLS FOR ENHANCED 3D AUDIO AUTHORIZING AND RENDERING  
[54] SYSTEME ET OUTILS POUR LA CREATION ET LE RENDU DE SON MULTICANAUX AMELIORE  
[72] TSINGOS, NICOLAS R., US  
[72] ROBINSON, CHARLES Q., US  
[72] SCHARPF, JURGEN W., US  
[73] DOLBY LABORATORIES LICENSING CORPORATION, US  
[86] (3134353)  
[87] (3134353)  
[22] 2012-06-27  
[62] 3,104,225  
[30] US (61/504005) 2011-07-01  
[30] US (61/636102) 2012-04-20

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[11] **3,136,445**

[13] C

[51] Int.Cl. B60N 2/90 (2018.01) B60N 2/58 (2006.01) B60R 11/02 (2006.01)  
[25] EN  
[54] HEADREST COVER HOLDER SYSTEM  
[54] SYSTEME DE SUPPORT DE COUVERTURE D'APPUIE-TETE  
[72] COTTERELL, LASCELLES, CA  
[73] COTTERELL, LASCELLES, CA  
[86] (3136445)  
[87] (3136445)  
[22] 2021-10-28  
[30] US (17/024,171) 2020-09-17  
[30] US (17/024,244) 2020-09-17

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[11] **3,141,121**

[13] C

[51] Int.Cl. B65D 47/04 (2006.01) A47G 19/12 (2006.01) A47G 19/14 (2006.01) A47J 31/00 (2006.01) B65B 3/02 (2006.01) B65B 3/04 (2006.01) B65B 3/06 (2006.01)  
[25] EN  
[54] CAP AND CONTAINER FOR CARBONATED DRINKS  
[54] BOUCHON ET RECIPIENT DESTINE A DES BOISSONS GAZEUSES  
[72] MACRELLINO, DIEGO, US  
[73] PEPSICO, INC., US  
[85] 2021-11-17  
[86] 2020-05-15 (PCT/US2020/033165)  
[87] (WO2020/236605)  
[30] US (16/416,001) 2019-05-17

# Canadian Applications Open to Public Inspection

May 8, 2022 to May 14, 2022

## Demandes canadiennes mises à la disposition du public

8 mai 2022 au 14 mai 2022

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[21] **3,092,702**  
[13] A1

[51] Int.Cl. A47J 37/07 (2006.01) B60R  
11/00 (2006.01)  
[25] EN  
[54] HITCH MOUNTED BARBECUE  
[54] BARBECUE REMORQUE  
[72] WILLIAMS, WILL, CA  
[71] WILLIAMS, WILL, CA  
[22] 2020-11-12  
[41] 2022-05-12

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[21] **3,098,376**  
[13] A1

[51] Int.Cl. A45F 5/02 (2006.01) A45F 3/00  
(2006.01)  
[25] EN  
[54] MAIL SLEEVE, AN ARM  
CARRIED POUCH FOR  
MAIL/FLYER DELIVERY AGENTS  
[54] MANCHON DE COURRIER,  
POCHÉ A PORTER SUR LE BRAS  
POUR LES AGENTS DE  
LIVRAISON DE COURRIER ET DE  
CIRCULAIRES  
[72] MAEH, ELLANY, CA  
[71] MAEH, ELLANY, CA  
[22] 2020-11-08  
[41] 2022-05-08

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[21] **3,098,530**  
[13] A1

[51] Int.Cl. A47J 43/04 (2006.01) A47J  
27/00 (2006.01)  
[25] EN  
[54] AUTOMATED FOOD COOKING  
APPLIANCE  
[54] APPAREIL DE CUISSON  
D'ALIMENT AUTOMATISE  
[72] WALKER, BRIAN WALKER C., CA  
[72] JUTRAS, PIERRE, CA  
[72] SHARMA, NIPUN, CA  
[71] WALKER, BRIAN WALKER C., CA  
[71] JUTRAS, PIERRE, CA  
[71] SHARMA, NIPUN, CA  
[22] 2020-11-09  
[41] 2022-05-09

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[21] **3,098,534**  
[13] A1

[51] Int.Cl. B60S 9/22 (2006.01) B62D  
55/02 (2006.01)  
[25] FR  
[54] RETRACTABLE WHEELS FOR  
SNOWMOBILE  
TRANSPORTATION  
[54] ROUES AMOVIBLES POUR  
TRANSPORT DE MOTONEIGE  
[72] DALPE, YVAN, CA  
[71] DALPE, YVAN, CA  
[71] DALPE, PATRICE, CA  
[22] 2020-11-09  
[41] 2022-05-09

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[21] **3,098,557**  
[13] A1

[51] Int.Cl. G01N 3/08 (2006.01)  
[25] EN  
[54] REUSABLE PLASTIC CONCRETE  
CYLINDER TEST MOLDS  
[54] MOULES D'ESSAI  
CYLINDRIQUES EN PLASTIQUE  
REUTILISABLE POUR BETON  
[72] MOLLAZADEH, ASGHAR A. M., CA  
[71] MOLLAZADEH, ASGHAR A. M., CA  
[22] 2020-11-09  
[41] 2022-05-09

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[21] **3,098,561**  
[13] A1

[51] Int.Cl. G06Q 50/00 (2012.01) G06Q  
40/02 (2012.01) H04L 12/16 (2006.01)  
[25] EN  
[54] BENEFICIARY SOCIAL  
NETWORKING PLATFORM;  
CONCEPTION, CONSERVATION  
& IMMEDIATE MODIFICATION  
FOR PARTS OF USERS LAST  
WILL & TESTAMENT;  
STORAGE OF DATA/PROPERTY;  
&, A MEANS OF DISTRIBUTION  
TO BENEFICIARY  
[54] PLATEFORME DE RESEAU  
SOCIAL DE PRESTATAIRES,  
CONCEPTION, CONSERVATION  
ET MODIFICATION IMMEDIATE  
DE PARTIES DES DERNIERES  
VOLONTES ET DU TESTAMENT  
D'UTILISATEURS, STOCKAGE DE  
DONNEES/BIENS ET MOYEN DE  
DISTRIBUTION AU  
PRESTATAIRE  
[72] TAI, CHRISTOPHER, CA  
[71] TAI, CHRISTOPHER, CA  
[22] 2020-11-09  
[41] 2022-05-09

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[21] **3,098,709**  
[13] A1

[51] Int.Cl. G01L 5/04 (2006.01) G01L  
5/107 (2020.01)  
[25] EN  
[54] STRAP TENSION DETECTOR  
[54] DETECTION DE TENSION DE  
COURROIE  
[72] WENZEL, BLAIR, CA  
[72] DELOREY, TANNER, CA  
[72] PARENTEAU, DWAYNE, CA  
[71] INTELLIGENT SECURE STRAP  
INC., CA  
[22] 2020-11-10  
[41] 2022-05-10

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| <p style="text-align: right;">[21] <b>3,098,753</b><br/> [13] A1</p> <p>[51] Int.Cl. E06C 5/04 (2006.01) A62B<br/> 35/00 (2006.01) E06C 5/36 (2006.01)<br/> E06C 7/18 (2006.01)</p> <p>[25] EN</p> <p>[54] TELESCOPIC LADDER SYSTEM FOR A VEHICLE, AND SAFETY SYSTEM AND METHOD FOR SECURING AN OPERATOR ATOP A VEHICLE OR VAN</p> <p>[54] SYSTEME D'ECHELLE TELESCOPIQUE POUR UN VEHICULE ET SYSTEME DE SECURITE ET METHODE POUR ATTACHER UN OPERATEUR SUR UN VEHICULE OU UNE CAMIONNETTE</p> <p>[72] PETITCLERC, KEVEN, CA<br/> [71] ENTREPRISE CRC (2014) INC., CA<br/> [22] 2020-11-11<br/> [41] 2022-05-11</p> | <p style="text-align: right;">[21] <b>3,098,756</b><br/> [13] A1</p> <p>[51] Int.Cl. A61L 9/04 (2006.01)<br/> [25] EN</p> <p>[54] FRESH3Y AIR FRESHENER<br/> [54] RAFRAICHEUR D'AIR FRESH3Y</p> <p>[72] HAYWOOD, JOSHUA M., CA<br/> [71] HAYWOOD, JOSHUA M., CA<br/> [22] 2020-11-11<br/> [41] 2022-05-11</p>  | <p style="text-align: right;">[21] <b>3,098,795</b><br/> [13] A1</p> <p>[51] Int.Cl. C07D 311/80 (2006.01) C07C<br/> 39/23 (2006.01)</p> <p>[25] EN</p> <p>[54] A PROCESS FOR CONCENTRATING OF THC OR CBD</p> <p>[54] PROCEDE DE CONCENTRATION DE THC OU DE CBD</p> <p>[72] GUO, SHI NING, CA<br/> [72] GUO, JING YU, CA<br/> [71] GUO, SHI NING, CA<br/> [22] 2020-11-12<br/> [41] 2022-05-12</p>   |
| <p style="text-align: right;">[21] <b>3,098,757</b><br/> [13] A1</p> <p>[51] Int.Cl. G06Q 20/10 (2012.01) H04L<br/> 9/32 (2006.01) H04L 12/16 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR COMPLETING A DATA TRANSFER</p> <p>[54] METHODE ET SYSTEME POUR REALISER UN TRANSFERT DE DONNEES</p> <p>[72] DUNJIC, MILOS, CA<br/> [72] TAX, DAVID SAMUEL, CA<br/> [72] LALKA, VIPUL KISHORE, CA<br/> [71] THE TORONTO-DOMINION BANK, CA<br/> [22] 2020-11-11<br/> [41] 2022-05-11</p>   | <p style="text-align: right;">[21] <b>3,098,757</b><br/> [13] A1</p> <p>[51] Int.Cl. G06Q 20/10 (2012.01) H04L<br/> 9/32 (2006.01) H04L 12/16 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR COMPLETING A DATA TRANSFER</p> <p>[54] METHODE ET SYSTEME POUR REALISER UN TRANSFERT DE DONNEES</p> <p>[72] DUNJIC, MILOS, CA<br/> [72] TAX, DAVID SAMUEL, CA<br/> [72] LALKA, VIPUL KISHORE, CA<br/> [71] THE TORONTO-DOMINION BANK, CA<br/> [22] 2020-11-11<br/> [41] 2022-05-11</p>  | <p style="text-align: right;">[21] <b>3,098,799</b><br/> [13] A1</p> <p>[51] Int.Cl. A23C 1/08 (2006.01) A23C<br/> 1/00 (2006.01) A23C 1/12 (2006.01)<br/> A23C 9/12 (2006.01) A23C 9/123<br/> (2006.01) A23C 9/14 (2006.01) A23G<br/> 9/36 (2006.01)</p> <p>[25] EN</p> <p>[54] A PROCESS FOR DRYING YOGURT</p> <p>[54] PROCEDE DE SECHAGE DU YOGOURT</p> <p>[72] GUO, SHI NING, CA<br/> [72] GUO, JING YU, CA<br/> [71] GUO, SHI NING, CA<br/> [71] GUO, JING YU, CA<br/> [22] 2020-11-12<br/> [41] 2022-05-12</p> |
| <p style="text-align: right;">[21] <b>3,098,758</b><br/> [13] A1</p> <p>[51] Int.Cl. A61H 3/04 (2006.01) A61G<br/> 5/04 (2013.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHODS FOR TORQUE CONTROL OF MOBILITY ASSISTIVE DEVICES</p> <p>[54] SYSTEME ET METHODES DE COMMANDE DE COUPLE DE DISPOSITIFS D'AIDE A LA MOBILITE</p> <p>[72] KUZYCH, LISSA VYANNE, CA<br/> [72] HUISSON, JAN PAUL, CA<br/> [72] TUNG, JAMES YUNGJEN, CA<br/> [72] YEASER, ABDULLAH RASHID, CA<br/> [72] ALI, AYAH, CA<br/> [72] HE, PAULA HAO FAN, CA<br/> [71] KUZYCH, LISSA VYANNE, CA<br/> [22] 2020-11-11<br/> [41] 2022-05-11</p>    | <p style="text-align: right;">[21] <b>3,098,758</b><br/> [13] A1</p> <p>[51] Int.Cl. A61H 3/04 (2006.01) A61G<br/> 5/04 (2013.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHODS FOR TORQUE CONTROL OF MOBILITY ASSISTIVE DEVICES</p> <p>[54] SYSTEME ET METHODES DE COMMANDE DE COUPLE DE DISPOSITIFS D'AIDE A LA MOBILITE</p> <p>[72] KUZYCH, LISSA VYANNE, CA<br/> [72] HUISSON, JAN PAUL, CA<br/> [72] TUNG, JAMES YUNGJEN, CA<br/> [72] YEASER, ABDULLAH RASHID, CA<br/> [72] ALI, AYAH, CA<br/> [72] HE, PAULA HAO FAN, CA<br/> [71] KUZYCH, LISSA VYANNE, CA<br/> [22] 2020-11-11<br/> [41] 2022-05-11</p> | <p style="text-align: right;">[21] <b>3,098,803</b><br/> [13] A1</p> <p>[51] Int.Cl. A23B 7/02 (2006.01) A23L<br/> 19/00 (2016.01) A23L 2/08 (2006.01)</p> <p>[25] EN</p> <p>[54] A PROCESS FOR DRYING FRUITS AND VEGETABLES</p> <p>[54] PROCEDE DE SECHAGE DE FRUITS ET DE LEGUMES</p> <p>[72] GUO, SHI NING, CA<br/> [72] GUO, JING YU, CA<br/> [71] GUO, SHI NING, CA<br/> [71] GUO, JING YU, CA<br/> [22] 2020-11-12<br/> [41] 2022-05-12</p>  |

**Demandes canadiennes mises à la disponibilité du public**  
**8 mai 2022 au 14 mai 2022**

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[21] **3,098,842**

[13] A1

- [51] Int.Cl. G08G 1/14 (2006.01) G06T  
 7/00 (2017.01)  
 [25] EN  
 [54] **CENTRALIZED PARKING  
 GUIDANCE SYSTEM**  
 [54] **SISTÈME D'ORIENTATION DE  
 STATIONNEMENT CENTRALISÉ**  
 [72] SEBASTIAN, MANOJ, CA  
 [71] SEBASTIAN, MANOJ, CA  
 [22] 2020-11-12  
 [41] 2022-05-12
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[21] **3,098,844**

[13] A1

- [51] Int.Cl. G09B 1/04 (2006.01) A63B  
 69/00 (2006.01) G09B 19/00 (2006.01)  
 [25] EN  
 [54] **THE FLOOR COACH, IS A LARGE  
 COACHING MAT THAT LAYS  
 FLAT ON THE GROUND AND  
 USES INTERACTIVE PLAYER  
 POSITIONAL PUCKS TO TEACH  
 POSITIONAL AND GAME  
 TACTICS OF ICE HOCKEY AND  
 RINGETTE ENABLING ALL  
 PLAYERS TO SEE WITHOUT  
 OBSTRUCTION**  
 [54] **LE COACH DE PLANCHER EST  
 UN GRAND TAPIS DE COACHING  
 QUI EST DEPOSÉ À PLAT SUR LE  
 SOL ET UTILISE DES  
 RONDELLES INTERACTIVES  
 SELON LA POSITION DU JOUEUR  
 POUR ENSEIGNER LES  
 POSITIONS ET LES TACTIQUES  
 DE JEU DU HOCKEY SUR GLACE  
 ET DE LA RINGUETTE EN  
 PERMETTANT À TOUS LES  
 JOUEURS DE VOIR SANS  
 OBSTRUCTION**  
 [72] GILLIS, ALEXANDER, G., CA  
 [71] GILLIS, ALEXANDER, G., CA  
 [22] 2020-11-12  
 [41] 2022-05-12
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[21] **3,098,850**

[13] A1

- [51] Int.Cl. E21B 34/06 (2006.01)  
 [25] EN  
 [54] **TUBING DRAIN WITH BURST  
 INNER BODY**  
 [54] **DRAIN DE TUBAGE AVEC CORPS  
 INTÉRIEUR D'ÉCLATEMENT**  
 [72] DYCK, TYLER J., CA  
 [72] LEA-WILSON, MARK A., CA  
 [72] MCASSEY, SHANE T., CA  
 [71] PLAINSMAN MFG. INC., CA  
 [22] 2020-11-12  
 [41] 2022-05-12
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[21] **3,099,217**

[13] A1

- [51] Int.Cl. B60K 6/20 (2007.10) B60K  
 1/00 (2006.01) B60K 1/04 (2019.01)  
 B62D 53/04 (2006.01)  
 [25] EN  
 [54] **HYBRID TRACTOR TRUCK**  
 [54] **TRACTEUR HYBRIDE**  
 [72] BOLDUC, LARRY, CA  
 [71] ELECTROCAMION INC., CA  
 [22] 2020-11-12  
 [41] 2022-05-12
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[21] **3,099,219**

[13] A1

- [51] Int.Cl. B29C 64/153 (2017.01) B33Y  
 50/00 (2015.01) B33Y 80/00 (2015.01)  
 B32B 7/022 (2019.01) B32B 5/08  
 (2006.01) B32B 37/00 (2006.01) F02C  
 7/24 (2006.01)  
 [25] FR  
 [54] **POROUS MULTILAYER  
 MATERIAL FOR ACOUSTIC  
 TREATMENT**  
 [54] **MATERIAU PORÉUX  
 MULTICOUCHES POUR  
 TRAITEMENT ACOUSTIQUE**  
 [72] BOULVERT, JEAN, FR  
 [72] CAVALIERI, THEO, FR  
 [72] GROBY, JEAN-PHILIPPE, FR  
 [72] MARDJONO, JACKY NOVI, FR  
 [72] ROMERO GARCIA, VICENTE, FR  
 [72] GABARD, GWENAELE, FR  
 [72] ROSS, ANNIE, CA  
 [72] FOTSING ROLAND, EDITH, CA  
 [72] COSTA BAPTISTA, JOSUE, CA  
 [71] SAFRAN AIRCRAFT ENGINES, FR  
 [71] CENTRE NATIONAL DE LA  
 RECHERCHE SCIENTIFIQUE, FR  
 [71] UNIVERSITE DU MANS, FR  
 [22] 2020-11-13  
 [41] 2022-05-13
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[21] **3,099,191**

[13] A1

- [51] Int.Cl. F16M 13/02 (2006.01) A47G  
 29/00 (2006.01) B60R 9/00 (2006.01)  
 [25] EN  
 [54] **HANGING BRACKET**  
 [54] **SUPPORT DE SUSPENSION**  
 [72] COX, LORRAINE, CA  
 [72] COX, GREG, CA  
 [71] COX, LORRAINE, CA  
 [71] COX, GREG, CA  
 [22] 2020-11-13  
 [41] 2022-05-13
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**Canadian Applications Open to Public Inspection**  
**May 8, 2022 to May 14, 2022**

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| <p style="text-align: right;">[21] <b>3,099,229</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A23K<br/>           10/30 (2016.01) A01H 6/20 (2018.01)<br/>           A01H 1/00 (2006.01) A01H 5/00<br/>           (2018.01) A01H 5/10 (2018.01) A23D<br/>           9/00 (2006.01) A23J 1/14 (2006.01)<br/>           C12N 5/10 (2006.01) C12N 15/82<br/>           (2006.01) C12Q 1/68 (2018.01)</p> <p>[25] EN</p> <p>[54] CANOLA VARIETY SCV558853</p> <p>[54] VARIETE DE CANOLA SCV558853</p> <p>[72] BURNS, DALE, CA</p> <p>[71] MONSANTO TECHNOLOGY LLC,<br/>           US</p> <p>[22] 2020-11-13</p> <p>[41] 2022-05-13</p> |
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| <p style="text-align: right;">[21] <b>3,099,282</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E21B 44/00 (2006.01) E21B<br/>           47/06 (2012.01)</p> <p>[25] EN</p> <p>[54] METHODS, SYSTEMS, AND<br/>           COMPUTER-READABLE MEDIA<br/>           FOR PERFORMING AUTOMATED<br/>           DRILLING OF A WELLBORE</p> <p>[54] METHODES, SYSTEMES ET<br/>           SUPPORT LISIBLE PAR<br/>           ORDINATEUR POUR REALISER<br/>           UN FORAGE AUTOMATISE D'UN<br/>           TROU DE FORAGE</p> <p>[72] AGARWAL, KSHITIJ, CA</p> <p>[72] MCINTYRE, JONATHAN ALAN, CA</p> <p>[72] NG, CHOON-SUN JAMES, CA</p> <p>[72] EDDY, AARON, CA</p> <p>[71] PASON SYSTEMS CORP., CA</p> <p>[22] 2020-11-13</p> <p>[41] 2022-05-13</p> |
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| <p style="text-align: right;">[21] <b>3,099,284</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G10K 11/175 (2006.01) G10K<br/>           11/162 (2006.01)</p> <p>[25] FR</p> <p>[54] ACOUSTIC TREATMENT<br/>           COATING COMPRISING A<br/>           FOLDED METAPOROUS<br/>           MATERIAL</p> <p>[54] REVETEMENT DE TRAITEMENT<br/>           ACOUSTIQUE COMPRENNANT UN<br/>           METAPOREUX ORDONNE<br/>           REPLIE</p> <p>[72] BOULVERT, JEAN, FR</p> <p>[72] CAVALIERI, THEO, FR</p> <p>[72] GROBY, JEAN-PHILIPPE, FR</p> <p>[72] ROSS, ANNIE, CA</p> <p>[72] FOTSING ROLAND, EDITH, CA</p> <p>[72] MARDJONO, JACKY NOVI, FR</p> <p>[72] ROMERO GARCIA, VICENTE, FR</p> <p>[72] GABARD, GWENael, FR</p> <p>[72] COSTA BAPTISTA, JOSUE, CA</p> <p>[71] SAFRAN AIRCRAFT ENGINES, FR</p> <p>[71] CENTRE NATIONAL DE LA<br/>           RECHERCHE SCIENTIFIQUE, FR</p> <p>[71] UNIVERSITE DU MANS, FR</p> <p>[22] 2020-11-13</p> <p>[41] 2022-05-13</p> |
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| <p style="text-align: right;">[21] <b>3,099,290</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A23K<br/>           10/30 (2016.01) A01H 6/20 (2018.01)<br/>           A01H 1/00 (2006.01) A01H 5/00<br/>           (2018.01) A01H 5/10 (2018.01) A23D<br/>           9/00 (2006.01) A23J 1/14 (2006.01)<br/>           C12N 5/10 (2006.01) C12N 15/82<br/>           (2006.01) C12Q 1/68 (2018.01)</p> <p>[25] EN</p> <p>[54] CANOLA VARIETY SCV226070</p> <p>[54] VARIETE DE CANOLA SCV226070</p> <p>[72] LIU, JUN, CA</p> <p>[72] WU, CHUNREN, CA</p> <p>[71] MONSANTO TECHNOLOGY LLC,<br/>           US</p> <p>[22] 2020-11-13</p> <p>[41] 2022-05-13</p> |
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| <p style="text-align: right;">[21] <b>3,099,297</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A23K<br/>           10/30 (2016.01) A01H 6/20 (2018.01)<br/>           A01H 1/00 (2006.01) A01H 5/00<br/>           (2018.01) A01H 5/10 (2018.01) A23D<br/>           9/00 (2006.01) A23J 1/14 (2006.01)<br/>           C12N 5/10 (2006.01) C12N 15/82<br/>           (2006.01) C12Q 1/68 (2018.01)</p> <p>[25] EN</p> <p>[54] CANOLA VARIETY SCV344307</p> <p>[54] VARIETE DE CANOLA SCV344307</p> <p>[72] LIU, JUN, CA</p> <p>[72] WU, CHUNREN, CA</p> <p>[71] MONSANTO TECHNOLOGY LLC,<br/>           US</p> <p>[22] 2020-11-13</p> <p>[41] 2022-05-13</p> |
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| <p style="text-align: right;">[21] <b>3,099,302</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A23K<br/>           10/30 (2016.01) A01H 6/20 (2018.01)<br/>           A01H 1/00 (2006.01) A01H 5/00<br/>           (2018.01) A01H 5/10 (2018.01) A23D<br/>           9/00 (2006.01) A23J 1/14 (2006.01)<br/>           C12N 5/10 (2006.01) C12N 15/82<br/>           (2006.01)</p> <p>[25] EN</p> <p>[54] CANOLA VARIETY SCV129319</p> <p>[54] VARIETE DE CANOLA SCV129319</p> <p>[72] WANG, YINGJIE, CA</p> <p>[71] MONSANTO TECHNOLOGY LLC,<br/>           US</p> <p>[22] 2020-11-13</p> <p>[41] 2022-05-13</p> |
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| <p style="text-align: right;">[21] <b>3,104,111</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H05B 6/02 (2006.01) H05B<br/>           6/04 (2006.01) H05B 6/06 (2006.01)</p> <p>[25] EN</p> <p>[54] HIGH-FREQUENCY<br/>           ELECTROMAGNETIC<br/>           INDUCTION CONTROL CIRCUIT</p> <p>[54] CIRCUIT DE COMMANDE A<br/>           INDUCTION<br/>           ELECTROMAGNETIQUE HAUTE<br/>           FREQUENCE</p> <p>[72] LIU, TUANFANG, CN</p> <p>[71] SHENZHEN EIGATE TECHNOLOGY<br/>           CO., LTD., CN</p> <p>[22] 2020-12-24</p> <p>[41] 2022-05-10</p> <p>[30] CN (202011250692.7) 2020-11-10</p> |
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**Demandes canadiennes mises à la disponibilité du public**  
**8 mai 2022 au 14 mai 2022**

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| <p style="text-align: right;">[21] <b>3,110,088</b><br/> [13] A1</p> <p>[51] Int.Cl. A61L 9/16 (2006.01) A61L 9/00 (2006.01)<br/> [25] EN<br/> [54] DEVICE FOR PURIFICATION, STERILIZATION AND DEODORIZATION OF AIR<br/> [54] DISPOSITIF POUR L'EPURATION, LA STERILISATION ET LA DESODORISATION DE L'AIR<br/> [72] ZHANG, ZHAN, CN<br/> [72] ZHANG, XIAOLIN, CN<br/> [72] NA, LI, CN<br/> [72] SUN, XIAOSHU, CN<br/> [71] LIAONING RENHE YILI ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD., CN<br/> [22] 2021-02-23<br/> [41] 2022-05-13<br/> [30] CN (202022623040.5) 2020-11-13</p> | <p style="text-align: right;">[21] <b>3,111,961</b><br/> [13] A1</p> <p>[51] Int.Cl. C07H 19/213 (2006.01) A61K 31/708 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) C07H 19/207 (2006.01)<br/> [25] EN<br/> [54] NOVEL STING AGONISTS<br/> [54] NOUVEAUX AGONISTES STING<br/> [72] DILLER, DAVID J., US<br/> [72] KAELIN, DAVID E., JR, US<br/> [72] METZGER, AXEL, US<br/> [72] PAGET, STEVEN, US<br/> [72] MCGUINNESS, BRIAN F. (DECEASED), XX<br/> [72] HUANG, CHIA-YU, US<br/> [72] HOSPITAL, AUDREY JULIE, US<br/> [72] SOLVIBILE, WILLIAM RONALD, JR, US<br/> [72] GALLAGHER, GRANT, US<br/> [72] MCQUENEY, MICHAEL S., US<br/> [72] NAZAN ERASLAN, RUKIYE, US<br/> [72] SCHIEVEN, GARY, US<br/> [72] TRAMA, JASON, US<br/> [72] BOMMIREDDY VENKATA, VENUGOPALAREDDY, US<br/> [71] VENENUM BIODESIGN, LLC, US<br/> [22] 2021-03-12<br/> [41] 2022-05-12<br/> [30] US (17/096,416) 2020-11-12</p> | <p style="text-align: right;">[21] <b>3,119,244</b><br/> [13] A1</p> <p>[51] Int.Cl. A45D 20/12 (2006.01) H02J 7/00 (2006.01)<br/> [25] EN<br/> [54] WIRELESS BLOW DRYER<br/> [54] SECHOIR SANS FIL<br/> [72] LEI, YUN, CN<br/> [72] LIU, CHUWEI, CN<br/> [72] ZHANG, YUBIN, CN<br/> [71] SHENZHEN CARKU TECHNOLOGY CO., LIMITED, CN<br/> [22] 2021-05-20<br/> [41] 2022-05-10<br/> [30] CN (202011251313.6) 2020-11-10<br/> [30] CN (202022593049.6) 2020-11-10</p>   |
| <p style="text-align: right;">[21] <b>3,110,216</b><br/> [13] A1</p> <p>[51] Int.Cl. A01G 9/00 (2018.01) A01G 9/02 (2018.01)<br/> [25] EN<br/> [54] MOBILE HORTICULTURE WORKSTATION<br/> [54] POSTE DE TRAVAIL HORTICOLE MOBILE<br/> [72] GIST, CHARLES MARRS, US<br/> [72] JAQUITH, DANIEL, US<br/> [72] LOPEZ, FERNANDO, US<br/> [72] ZAIK, JOSHUA, US<br/> [71] MONROVIA NURSERY COMPANY, US<br/> [22] 2021-02-23<br/> [41] 2022-05-13<br/> [30] US (17/098252) 2020-11-13</p>   | <p style="text-align: right;">[21] <b>3,119,108</b><br/> [13] A1</p> <p>[51] Int.Cl. F01D 17/16 (2006.01) F01D 9/02 (2006.01) F01D 9/04 (2006.01) F01D 11/22 (2006.01) F02C 9/22 (2006.01)<br/> [25] EN<br/> [54] VARIABLE GUIDE VANE ASSEMBLY AND BUSHING RING THEREFOR<br/> [54] ASSEMBLAGE D'AUBE DIRECTRICE VARIABLE ET BAGUE CONNEXE<br/> [72] POICK, DANIEL, CA<br/> [72] URAC, TIBOR, CA<br/> [71] PRATT &amp; WHITNEY CANADA CORP., CA<br/> [22] 2021-05-18<br/> [41] 2022-05-10<br/> [30] US (17/093,790) 2020-11-10</p>   | <p style="text-align: right;">[21] <b>3,119,251</b><br/> [13] A1</p> <p>[51] Int.Cl. A45D 20/10 (2006.01)<br/> [25] EN<br/> [54] WIRELESS BLOW DRYER SYSTEM AND WIRELESS BLOW DRYER<br/> [54] SYSTEME DE SECHOIR SANS FIL ET SECHOIR SANS FIL<br/> [72] LEI, YUN, CN<br/> [72] LIU, CHUWEI, CN<br/> [72] ZHANG, YUBIN, CN<br/> [71] SHENZHEN CARKU TECHNOLOGY CO., LIMITED, CN<br/> [22] 2021-05-20<br/> [41] 2022-05-10<br/> [30] CN (202011252233.2) 2020-11-10<br/> [30] CN (202022592963.9) 2020-11-10</p> |
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  - [72] LIU, CHUWEI, CN
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  - [72] LEI, YUN, CN
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  - [72] MITCHELL, MICHAEL FRANCIS, US
  - [71] THE BOEING COMPANY, US
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  - [54] ASSEMBLAGE DE FLECHE POUR UN VEHICULE D'EXCAVATION ET METHODE CONNEXE
  - [72] MAYER, TIMOTHY G., US
  - [72] SCHMIDT, JOSEPH L., US
  - [71] FEDERAL SIGNAL CORPORATION, US
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  - [54] SYSTEME DE COMMANDE DE GOUVERNE D'APPAREIL DE RECOLTEUSE POUR EMPECHER LE SURPASSEMENT DE L'EXTREMITE DE TABLIER DE RECOLTEUSE PENDANT UN TOURNANT
  - [72] KRAUS, TIMOTHY J., US
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  - [54] SYSTEMES D'ACTIONNEMENT DE GOUVERNES COMPRENANT DES SYSTEMES DE DETECTION D'OBLIQUE ET METHODES CONNEXES
  - [72] MITCHELL, IRA, III, US
  - [71] THE BOEING COMPANY, US
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- [72] KUCKSDORF, KEVIN ROGER, US
- [71] J.J. KELLER & ASSOCIATES, INC., US
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| [72] KAYE, ALEX JULIAN, US              |
| [72] KOPELKE, PAMELA ANN, US            |
| [71] J.J. KELLER & ASSOCIATES, INC., US |
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| [54] RACCORD DE TUYAUTERIE ONDULE                       |
| [72] TAYLOR, PHILLIP, US                                |
| [71] ABB SCHWEIZ AG, CH                                 |
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| [25] EN   |
| <b>[54] METHODS AND SYSTEMS FOR DYNAMICALLY SELECTING AND PROVIDING WEB RESOURCES</b>       |
| [54] METHODES ET SYSTEMES POUR LA SELECTION ET LA DISTRIBUTION DYNAMIQUES DE RESSOURCES WEB |
| [72] DENG, JEFFREY ZI TAO, CA   |
| [72] SAVENKO, YURIY, CA   |
| [72] MONTGOMERY, NICHOLAS ANDREW, CA  |
| [71] SHOPIFY INC., CA   |
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| <b>[54] METHODS AND SYSTEMS FOR GENERATING NOTIFICATIONS</b> |
| [54] METHODES ET SYSTEMES POUR GENERER DES NOTIFICATIONS     |
| [72] LAURENZIO, PAISLEY, CA                                  |
| [72] POLLOCK, JORDAN, CA                                     |
| [72] DE MEDEIROS, ANNA, CA                                   |
| [72] KEEFE, EMILY, CA  |
| [71] SHOPIFY INC., CA  |
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| [54] BOITIER ELECTRIQUE                                  |
| [72] BEALE, THOMAS, GB                                   |
| [72] BERNARD, JAMES, GB                                  |
| [72] PEACOCK, PAUL, GB                                   |
| [72] PETHICK, JON, GB                                    |
| [71] CROMPTON TECHNOLOGY GROUP LIMITED, GB               |
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| <b>[54] GEAR HOOKS FOR SPORTS BAGS</b> |
| [54] MOUSQUETONS POUR SACS DE SPORT    |
| [72] RUSAKOV, DMITRY, US               |
| [72] WONG, ALLAN, US                   |
| [72] PETERS, ABRAHAM, US               |
| [71] EASTON DIAMOND SPORTS, LLC, US    |
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| [54] SYSTEMES ET METHODES POUR CONTROLER DES PROCEDES DE SOUDAGE AU MOYEN D'ATTRIBUTS DE BAIN DE FUSION |
| [72] MASSEY, STEVEN B., JR, US  |
| [71] ILLINOIS TOOL WORKS INC., US   |
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| [72] DINGMAN, TRENT J., US  |
| [72] FENG, MICHAEL, US  |
| [71] TECHTRONIC CORDLESS GP, US   |
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| [54] PRINTABLE ULTRA-VIOLET LIGHT EMITTING DIODE CURABLE ELECTROLYTE FOR THIN-FILM BATTERIES  | [54] PROCESS AND PLANT FOR REMOVING CARBON DIOXIDE FROM SYNTHESIS GAS   | [54] METHOD OF TRANSPORTING HYDROGEN  |
| [54] ELECTROLYTE IMPRIMABLE TRAITABLE PAR UNE DIODE ELECTROLUMINESCENTE A RAYONS ULTRAVIOLETS POUR DES BATTERIES A COUCHES MINCES             | [54] PROCEDE ET INSTALLATION POUR RETIRER LE DIOXYDE DE CARBONE D'UN GAZ DE SYNTHESE                            | [54] METHODE DE TRANSPORT D'HYDROGÈNE   |
| [72] CHOPRA, NAVEEN, CA   | [72] SCHMIDT, SOPHIA, DE  | [72] BAUER, ANDRE, PL   |
| [72] ABRAHAM, BIBY ESTHER, CA   | [72] LINICUS, MATTHIAS, DE  | [72] JOZWIK, PIOTR, PL  |
| [72] MCGUIRE, GREGORY, CA   | [72] CORBET, SHARON, DE   | [72] PEDZICH, DOMINIK, PL   |
| [72] BLACK, ROBERT, CA  | [71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR              | [71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR |
| [72] LAFORGUE, ALEXIS, CA   | [22] 2021-10-26   | [22] 2021-10-26   |
| [71] XEROX CORPORATION, US  | [41] 2022-05-11   | [41] 2022-05-11   |
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| [54] HIGH STRENGTH AND HIGH FRACTURE TOUGHNESS 7XXX AEROSPACE ALLOY PRODUCTS  | [54] PROCESS AND PLANT FOR PRODUCING HYDROGEN AND FOR SEPARATING CARBON DIOXIDE FROM SYNTHESIS GAS              | [54] FIN FOR INTERNAL COOLING OF VANE WALL  |
| [54] PRODUITS D'ALLIAGE AEROSPATIAL 7XXX A RESISTANCE ET A TENACITE ELEVEES   | [54] PROCEDE ET INSTALLATION POUR PRODUIRE DE L'HYDROGÈNE ET SEPARER LE DIOXYDE DE CARBONE D'UN GAZ DE SYNTHESE | [54] AILETTE POUR LE REFROIDISSEMENT INTERNE D'UNE PAROI D'AUBE                                   |
| [72] LONG, ZHENGDONG, US  | [72] SCHMIDT, SOPHIA, DE  | [72] STAFFORD, SCOTT L., US   |
| [72] GOMIERO, PHILIPPE PAUL, US   | [72] LINICUS, MATTHIAS, DE  | [72] YIN, JUAN, US  |
| [72] RASTOGI, RAVI, US  | [71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR               | [72] GRAY, STEVEN D., US  |
| [72] DIAO, HAoyan, US   | [22] 2021-10-26   | [71] SOLAR TURBINES INCORPORATED, US  |
| [72] SCHEURING, JASON N., US  | [41] 2022-05-11   | [22] 2021-10-26   |
| [71] KAISER ALUMINUM FABRICATED PRODUCTS, LLC, US   | [30] EP (20020522.7) 2020-11-11   | [41] 2022-05-12   |
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| <p style="text-align: right;">[21] <b>3,136,089</b><br/> [13] A1</p> <p>[51] Int.Cl. G01S 19/42 (2010.01) G01S 19/43 (2010.01) G01S 19/51 (2010.01) F03D 17/00 (2016.01)</p> <p>[25] EN</p> <p>[54] <b>METHOD AND SYSTEM FOR DETERMINING AND TRACKING THE TOP PIVOT POINT OF A WIND TURBINE TOWER</b></p> <p>[54] <b>METHODE ET SYSTEME POUR DETERMINER ET SUIVRE LE POINT D'ARTICULATION SUPERIEUR D'UN MATERIEL EOLIEN</b></p> <p>[72] LANDA, BERNARD P., US<br/> [72] FU, XU, US<br/> [72] BONANNI, PIERINO GIANNI, US<br/> [72] SHARTZER, SAMUEL BRYAN, US<br/> [71] GENERAL ELECTRIC COMPANY, US<br/> [22] 2021-10-27<br/> [41] 2022-05-09<br/> [30] US (17/092,706) 2020-11-09</p> | <p style="text-align: right;">[21] <b>3,136,974</b><br/> [13] A1</p> <p>[51] Int.Cl. B62D 21/20 (2006.01)<br/> [25] EN</p> <p>[54] <b>TRAILER ASSEMBLY</b></p> <p>[54] <b>ASSEMBLAGE DE REMORQUE</b></p> <p>[72] SMITH, JOHN R., US<br/> [71] FONTAINE COMMERCIAL TRAILER, INC., US<br/> [22] 2021-10-29<br/> [41] 2022-05-11<br/> [30] US (63/112,228) 2020-11-11<br/> [30] US (63/226,335) 2021-07-28<br/> [30] US (17/511,109) 2021-10-26</p>  | <p style="text-align: right;">[21] <b>3,137,471</b><br/> [13] A1</p> <p>[51] Int.Cl. B65H 75/22 (2006.01) B65D 85/04 (2006.01) B65H 75/14 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>SPOOL ASSEMBLY AND METHOD OF ASSEMBLY</b></p> <p>[54] <b>ASSEMBLAGE DE BOBINE ET METHODE D'ASSEMBLAGE</b></p> <p>[72] JENKINS, JOSHUA HERBERT, US<br/> [72] NOBLE, JEFFREY NELSON, US<br/> [71] SCIENTIFIC ANGLERS LLC, US<br/> [22] 2021-11-03<br/> [41] 2022-05-09<br/> [30] US (63/111465) 2020-11-09<br/> [30] US (63/113592) 2020-11-13<br/> [30] US (63/163248) 2021-03-19</p>  |
| <p style="text-align: right;">[21] <b>3,136,419</b><br/> [13] A1</p> <p>[51] Int.Cl. G01R 35/00 (2006.01)<br/> [25] EN</p> <p>[54] <b>SYSTEMS AND METHODS FOR VERIFYING AND MAINTAINING ACCURACY OF METERING DEVICES</b></p> <p>[54] <b>SYSTEMES ET METHODES POUR VERIFIER ET MAINTENIR LA PRECISION DE DISPOSITIFS DE MESURE</b></p> <p>[72] ANDERSON, DAVID P., US<br/> [71] SCHNEIDER ELECTRIC USA, INC., US<br/> [22] 2021-10-28<br/> [41] 2022-05-12<br/> [30] US (17/096,503) 2020-11-12</p>   | <p style="text-align: right;">[21] <b>3,136,977</b><br/> [13] A1</p> <p>[51] Int.Cl. G06F 16/27 (2019.01)<br/> [25] EN</p> <p>[54] <b>DISTRIBUTED LEDGER SYSTEM</b></p> <p>[54] <b>SYSTEME DE REGISTRE DISTRIBUE</b></p> <p>[72] JACOB, BEJOY, DE<br/> [71] DEUTSCHE POST AG, DE<br/> [22] 2021-10-29<br/> [41] 2022-05-11<br/> [30] EP (20206873.0) 2020-11-11</p>   | <p style="text-align: right;">[21] <b>3,137,492</b><br/> [13] A1</p> <p>[51] Int.Cl. H04L 51/216 (2022.01) H04L 67/561 (2022.01) H04L 9/32 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>BLOCKCHAIN-DRIVEN CERTIFICATION OF ITERATIVE ELECTRONIC COMMUNICATIONS</b></p> <p>[54] <b>CERTIFICATION PAR LA CHAINE DE BLOCS DE COMMUNICATIONS ELECTRONIQUES ITERATIVES</b></p> <p>[72] KILBURN, MICHAEL, US<br/> [72] NAIDOO, LOGENDRA, US<br/> [71] MITEL NETWORKS (INTERNATIONAL) LIMITED, GB<br/> [22] 2021-11-04<br/> [41] 2022-05-09<br/> [30] US (17/093238) 2020-11-09</p> |
| <p style="text-align: right;">[21] <b>3,136,963</b><br/> [13] A1</p> <p>[51] Int.Cl. B29C 49/22 (2006.01) B29C 49/04 (2006.01)<br/> [25] EN</p> <p>[54] <b>METHOD OF MANUFACTURING CONTAINERS</b></p> <p>[54] <b>PROCEDE DE FABRICATION DE RECIPIENTS</b></p> <p>[72] KNEER, STEPHAN, DE<br/> [72] BOLZ, UWE, DE<br/> [72] YILGINC, KASIM, DE<br/> [71] GAPLAST GMBH, DE<br/> [22] 2021-10-29<br/> [41] 2022-05-13<br/> [30] DE (10 2020 129 996.6) 2020-11-13</p>   | <p style="text-align: right;">[21] <b>3,137,431</b><br/> [13] A1</p> <p>[51] Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)<br/> [25] EN</p> <p>[54] <b>BEAN VARIETY SVGV2089</b></p> <p>[54] <b>VARIETE DE HARICOT SVGV2089</b></p> <p>[72] PLOUY, ALEXIS J., US<br/> [71] SEMINIS VEGETABLE SEEDS, INC., US<br/> [22] 2021-11-02<br/> [41] 2022-05-09<br/> [30] US (17/093032) 2020-11-09</p> | <p style="text-align: right;">[21] <b>3,137,493</b><br/> [13] A1</p> <p>[51] Int.Cl. G07B 17/02 (2006.01)<br/> [25] EN</p> <p>[54] <b>SYSTEM AND METHOD FOR LOCALIZED POSTAGE GENERATION</b></p> <p>[54] <b>SYSTEME ET METHODE POUR LA GENERATION DE PORT LOCALISE</b></p> <p>[72] KARA, SALIM, CA<br/> [72] KARA, ALNOOR, CA<br/> [71] MYISTAMP INC., CA<br/> [22] 2021-11-03<br/> [41] 2022-05-09<br/> [30] US (63/111,313) 2020-11-09</p>  |

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| <p>[21] <b>3,137,511</b><br/> [13] A1</p> <p>[51] Int.Cl. C07C 2/08 (2006.01) C08F 110/10 (2006.01)</p> <p>[25] EN</p> <p>[54] OLEFIN TRIMERIZATION</p> <p>[54] TRIMERISATION DE L'OLEFINE</p> <p>[72] PYHALAHTI, ANTTI, FI</p> <p>[72] KANERVO, JAANA, FI</p> <p>[71] NESTE OYJ, FI</p> <p>[22] 2021-11-01</p> <p>[41] 2022-05-12</p> <p>[30] FI (20206143) 2020-11-12</p> |
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| <p>[21] <b>3,137,642</b><br/> [13] A1</p> <p>[51] Int.Cl. B32B 5/26 (2006.01) B28B 11/00 (2006.01) B32B 5/28 (2006.01) C08J 5/04 (2006.01) E04G 23/02 (2006.01) C04B 41/53 (2006.01)</p> <p>[25] EN</p> <p>[54] CONCRETE REPAIR DEVICE</p> <p>[54] DISPOSITIF POUR LA REPARATION DE BETON</p> <p>[72] HEMPHILL, W. SCOTT, US</p> <p>[71] GARLAND INDUSTRIES, INC., US</p> <p>[22] 2021-11-04</p> <p>[41] 2022-05-09</p> <p>[30] US (17/508,578) 2021-10-22</p> <p>[30] US (63/111,218) 2020-11-09</p> <p>[30] US (63/158,923) 2021-03-10</p> |
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| <p>[21] <b>3,137,656</b><br/> [13] A1</p> <p>[51] Int.Cl. E04D 13/18 (2018.01) H02S 20/25 (2014.01) H02S 30/00 (2014.01) H02S 40/32 (2014.01) E04D 15/00 (2006.01)</p> <p>[25] EN</p> <p>[54] INTERLOCKING STRUCTURAL ROOFING PANELS WITH INTEGRATED SOLAR PANELS</p> <p>[54] PANNEAUX DE COUVERTURE STRUCTURAUX INTERVERROUILLES COMPRENANT DES PANNEAUX SOLAIRES INTEGRES</p> <p>[72] SVEC, JAMES A., US</p> <p>[71] BMIC, LLC, US</p> <p>[22] 2021-11-09</p> <p>[41] 2022-05-09</p> <p>[30] US (63/111,301) 2020-11-09</p> <p>[30] US (17/520,984) 2021-11-08</p> |
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| <p>[21] <b>3,138,051</b><br/> [13] A1</p> <p>[51] Int.Cl. F24H 9/00 (2022.01) F16L 55/00 (2006.01) F24H 1/18 (2022.01)</p> <p>[25] EN</p> <p>[54] DIFFUSER FOR THERMAL STORAGE TANK</p> <p>[54] DIFFUSEUR POUR RESERVOIR DE STOCKAGE THERMIQUE</p> <p>[72] SMILTNEEK, STEVEN PATRICK, US</p> <p>[72] GUEST, CADE MATTHEW, US</p> <p>[72] KARL, EDWARD JOHN, US</p> <p>[72] RUSSELL, GREGORY ALLEN, US</p> <p>[71] A.O. SMITH CORPORATION, US</p> <p>[22] 2021-11-03</p> <p>[41] 2022-05-12</p> <p>[30] US (17/096,509) 2020-11-12</p> |
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| <p>[21] <b>3,138,052</b><br/> [13] A1</p> <p>[51] Int.Cl. B42F 3/00 (2006.01) B42D 13/00 (2006.01)</p> <p>[25] EN</p> <p>[54] COUPLING DEVICE</p> <p>[54] DISPOSITIF DE RACCORD</p> <p>[72] JUNGLAS, HANNAH E., US</p> <p>[72] BUSAM, EDWARD P., US</p> <p>[71] ACCO BRANDS CORPORATION, US</p> <p>[22] 2021-11-08</p> <p>[41] 2022-05-10</p> <p>[30] US (17/094,256) 2020-11-10</p> |
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| <p>[21] <b>3,138,057</b><br/> [13] A1</p> <p>[51] Int.Cl. A61K 31/715 (2006.01) A61P 17/00 (2006.01) A61Q 19/00 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITION FOR THE TREATMENT OF ROSACEA AND/OR TELANGEICTASIA</p> <p>[54] COMPOSITION POUR LE TRAITEMENT LA ROSACEE ET/OU LA TELANGIECTASIE</p> <p>[72] THOREL, JEAN-NOEL, FR</p> <p>[71] NAOS INSTITUTE OF LIFE SCIENCE, FR</p> <p>[71] THOREL, JEAN-NOEL, FR</p> <p>[22] 2021-11-03</p> <p>[41] 2022-05-10</p> <p>[30] FR (2011519) 2020-11-10</p> |
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**Demandes canadiennes mises à la disponibilité du public**  
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| <p>[21] <b>3,138,106</b><br/> [13] A1</p> <p>[51] Int.Cl. B24B 23/02 (2006.01) F16H<br/> 1/28 (2006.01)</p> <p>[25] EN</p> <p>[54] PNEUMATIC TOOL WITH GEAR TRAIN</p> <p>[54] OUTIL PNEUMATIQUE POUR TRAIN D'ENGRENAGES</p> <p>[72] PATTERSON, MATTHEW D., US</p> <p>[71] SNAP-ON INCORPORATED, US</p> <p>[22] 2021-11-08</p> <p>[41] 2022-05-10</p> <p>[30] US (17/094,012) 2020-11-10</p>   | <p>[21] <b>3,138,151</b><br/> [13] A1</p> <p>[51] Int.Cl. F21S 9/02 (2006.01) F21V<br/> 29/74 (2015.01) F21V 29/77 (2015.01)<br/> H05B 45/30 (2020.01) H05B 47/00<br/> (2020.01) F21V 15/01 (2006.01)</p> <p>[25] EN</p> <p>[54] LIGHT FIXTURE WITH BACKUP BATTERY</p> <p>[54] APPAREIL D'ECLAIRAGE AVEC BATTERIE DE SECOURS</p> <p>[72] LOKHANDE, PRASHANT, IN</p> <p>[72] KUBSAD, VINAYA N., IN</p> <p>[72] RING, CHRISTOPHER, US</p> <p>[71] EATON INTELLIGENT POWER LIMITED, IE</p> <p>[22] 2021-11-08</p> <p>[41] 2022-05-13</p> <p>[30] US (63/113334) 2020-11-13</p> | <p>[21] <b>3,138,230</b><br/> [13] A1</p> <p>[51] Int.Cl. F16B 45/00 (2006.01) B66C<br/> 1/10 (2006.01) F16C 11/06 (2006.01)<br/> F16G 15/06 (2006.01) F16G 15/08 (2006.01)</p> <p>[25] EN</p> <p>[54] SWIVELING HOIST RINGS AND METHODS OF ASSEMBLY</p> <p>[54] ANNEAUX DE PALAN A EMERILLON ET METHODES D'ASSEMBLAGE</p> <p>[72] STRIEBEL, PATRICK A., US</p> <p>[72] STORRER, JAMES J., US</p> <p>[71] SUNCOR STAINLESS, INC., US</p> <p>[22] 2021-11-08</p> <p>[41] 2022-05-09</p> <p>[30] US (17/092,731) 2020-11-09</p>                   |
| <p>[21] <b>3,138,126</b><br/> [13] A1</p> <p>[51] Int.Cl. A21D 10/02 (2006.01) A21D<br/> 13/41 (2017.01) A21D 10/00 (2006.01)</p> <p>[25] FR</p> <p>[54] PIZZA PATE FOR DELAYED USE AND PROCESS FOR PREPARING THE SAME</p> <p>[54] PATE A PIZZA POUR UTILISATION DIFFEREE ET SON PROCEDE DE PREPARATION</p> <p>[72] MICHEAUX, CLAIRE, FR</p> <p>[72] HEINRICH, MATHIEU, FR</p> <p>[72] FRITSCH, GERARD, FR</p> <p>[71] CERELIA, FR</p> <p>[22] 2021-11-03</p> <p>[41] 2022-05-09</p> <p>[30] FR (20 11470) 2020-11-09</p> | <p>[21] <b>3,138,156</b><br/> [13] A1</p> <p>[51] Int.Cl. F24F 11/70 (2018.01) F24F<br/> 1/037 (2019.01) F24F 6/02 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR HUMIDIFICATION CONTROL WITH FAN DELAY</p> <p>[54] SYSTEME ET METHODE DE CONTROLE D'HUMIDIFICATION AVEC FONCTION DE RETARD DE VENTILATEUR</p> <p>[72] BALAZS, NICHOLAS J., US</p> <p>[71] RESEARCH PRODUCTS CORPORATION, US</p> <p>[22] 2021-11-08</p> <p>[41] 2022-05-10</p> <p>[30] US (63/112,098) 2020-11-10</p>   | <p>[21] <b>3,138,279</b><br/> [13] A1</p> <p>[51] Int.Cl. B65D 39/00 (2006.01) B65D<br/> 41/48 (2006.01) B65D 47/36 (2006.01)</p> <p>[25] EN</p> <p>[54] STOPPER FOR A CONTAINER</p> <p>[54] BUTOIR POUR CONTENANT</p> <p>[72] KNEER, ROLAND, DE</p> <p>[72] KNEER, STEPHAN, DE</p> <p>[71] GAPLAST GMBH, DE</p> <p>[22] 2021-11-09</p> <p>[41] 2022-05-13</p> <p>[30] DE (10 2020 129 998.2) 2020-11-13</p>  |
| <p>[21] <b>3,138,140</b><br/> [13] A1</p> <p>[51] Int.Cl. A47B 1/04 (2006.01)</p> <p>[25] FR</p> <p>[54] TABLE WITH CENTRAL LEAF</p> <p>[54] TABLE A RALLONGE CENTRALE</p> <p>[72] PERNET, JEAN-NOEL, FR</p> <p>[72] ROANI, CORRADO, FR</p> <p>[71] LAFUMA MOBILIER SAS, FR</p> <p>[22] 2021-11-08</p> <p>[41] 2022-05-10</p> <p>[30] FR (20/11555) 2020-11-10</p>  | <p>[21] <b>3,138,228</b><br/> [13] A1</p> <p>[51] Int.Cl. A47L 9/04 (2006.01) A47L<br/> 11/282 (2006.01) A47L 11/292 (2006.01) A47L 11/40 (2006.01)</p> <p>[25] EN</p> <p>[54] SWEEPING ASSEMBLY, CLEANING APPLIANCE, AND METHOD FOR CLEANING APPLIANCE</p> <p>[54] ASSEMBLAGE DE BALAYAGE, APPAREIL DE NETTOYAGE ET METHODE POUR LEDIT APPAREIL</p> <p>[72] LIU, HUI SHU, CN</p> <p>[71] TECHTRONIC CORDLESS GP, US</p> <p>[22] 2021-11-08</p> <p>[41] 2022-05-10</p> <p>[30] CN (202011246350.8) 2020-11-10</p>   | <p>[21] <b>3,138,311</b><br/> [13] A1</p> <p>[51] Int.Cl. G06Q 10/10 (2012.01) G06N<br/> 20/00 (2019.01) H04L 51/216 (2022.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS TO GENERATE CONTEXTUAL THREADS</p> <p>[54] SYSTEMES ET METHODES POUR GENERER DES FILS CONTEXTUELS</p> <p>[72] WALTERS, AUSTIN, US</p> <p>[72] RAFFERTY, GALEN, US</p> <p>[72] GOODSITT, JEREMY, US</p> <p>[72] TRUONG, ANH, US</p> <p>[71] CAPITAL ONE SERVICES, LLC, US</p> <p>[22] 2021-11-08</p> <p>[41] 2022-05-10</p> <p>[30] US (17/093,707) 2020-11-10</p> |

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 [51] Int.Cl. B25B 13/06 (2006.01) B25B 13/48 (2006.01) F16D 3/26 (2006.01)  
 [25] EN  
 [54] UNIVERSAL JOINT TOOL ADAPTER ASSEMBLY  
 [54] ASSEMBLAGE D'ADAPTATEUR D'OUTIL POUR JOINT UNIVERSEL  
 [72] GAINES, PRESTON T., US  
 [72] BASHLEBEN, CRAIG, US  
 [71] SNAP-ON INCORPORATED, US  
 [22] 2021-11-09  
 [41] 2022-05-12  
 [30] US (17/096,570) 2020-11-12

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 [13] A1  
 [25] EN  
 [54] SYSTEM AND METHOD OF SCUM COLLECTION IN WASTEWATER TREATMENT SYSTEMS  
 [54] SYSTEME ET METHODE DE COLLECTE DU CHAPEAU DANS LES SYSTEMES DE TRAITEMENT DES EAUX USEES  
 [72] REID, TERENCE K., US  
 [72] SMITH, DAVID, US  
 [71] AQUA-AEROBIC SYSTEMS, INC., US  
 [22] 2021-11-09  
 [41] 2022-05-12  
 [30] US (17/096,005) 2020-11-12

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 [13] A1  
 [51] Int.Cl. F16L 5/00 (2006.01) F23L 17/02 (2006.01) F24F 13/08 (2006.01) H02G 3/22 (2006.01) H02G 15/02 (2006.01)  
 [25] EN  
 [54] EXHAUST VENT AND UTILITY TERMINATION FOR HVAC LINE SETS AND ELECTRICAL WIRES  
 [54] CONDUITE D'EVACUATION ET TERMINAISON DE SERVICE POUR LES ENSEMBLES DE LIGNES ET LES FILS ELECTRIQUES DE CVC  
 [72] KING, JACK F., JR, US  
 [71] ROOF GOOSE VENT LLC, US  
 [22] 2021-11-09  
 [41] 2022-05-11  
 [30] US (63/112,349) 2020-11-11  
 [30] US (17/521,102) 2021-11-08

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 [13] A1  
 [51] Int.Cl. B65D 71/60 (2006.01) A47G 23/06 (2006.01) B65D 71/72 (2006.01)  
 [25] EN  
 [54] CARRYING TRAY FOR HOLDING, TRANSPORTING, AND/OR DELIVERING FOOD AND BEVERAGE CONTAINERS AND METHOD THEREFOR  
 [54] PLATEAU DE TRANSPORT POUR TENIR, TRANSPORTER ET/OU LIVRER DES CONTENANTS D'ALIMENTS ET DE BREUVAGES, ET METHODE CONNEXE  
 [72] RAPP, ALLISON LEA, US  
 [72] IMES, STEPHEN, US  
 [71] NOVOLEX BAGCRAFT, INC., US  
 [22] 2021-11-10  
 [41] 2022-05-10  
 [30] US (17/521,203) 2021-11-08  
 [30] US (63/111,945) 2020-11-10

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 [13] A1  
 [51] Int.Cl. F24D 9/00 (2022.01) F24H 15/32 (2022.01) F24D 3/08 (2006.01) F24D 12/02 (2006.01) F24H 1/12 (2006.01) F24H 1/48 (2006.01) F24H 6/00 (2006.01)  
 [25] EN  
 [54] AIR HEATING AND POTABLE WATER SYSTEM HAVING A WATER HEATER AND A HYDRONIC AIR HANDLER  
 [54] SYSTEME DE CHAUFFAGE D'AIR ET D'EAU POTABLE COMPRENANT UN CHAUFFE-EAU ET UN APPAREIL DE TRAITEMENT D'AIR HYDRONIQUE

[72] WHITE, KEITH RICHARD, CA  
 [71] 1236220 B.C. LTD., CA  
 [22] 2021-11-10  
 [41] 2022-05-10  
 [30] US (63/111,963) 2020-11-10

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 [13] A1  
 [51] Int.Cl. E03C 1/05 (2006.01) E03C 1/04 (2006.01)  
 [25] EN  
 [54] METERED DISPENSE POT FILLER  
 [54] REMPLISSEUR DE POT A DISTRIBUTION MESUREE  
 [72] WALES, JOSHUA, US  
 [72] RODENBECK, ROBERT W., US  
 [72] SAWASKI, JOEL D., US  
 [72] SPANGLER, ANTHONY G., US  
 [72] RITTENHOUSE, KENT, US  
 [71] DELTA FAUCET COMPANY, US  
 [22] 2021-11-10  
 [41] 2022-05-13  
 [30] US (17/097,556) 2020-11-13

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 [13] A1  
 [51] Int.Cl. E04G 5/04 (2006.01) E04G 3/24 (2006.01) E04G 5/06 (2006.01)  
 [25] EN  
 [54] DECK PLATFORM HANGER  
 [54] SUPPORT DE PLATEFORME DE TERRASSE  
 [72] LATTERELL, RONALD GENE, US  
 [72] PLUMSKI, DUANE G., US  
 [71] ELYTRON CONSTRUCTION SERVICES, LLC, US  
 [22] 2021-11-10  
 [41] 2022-05-10  
 [30] US (63/111947) 2020-11-10  
 [30] US (17/523346) 2021-11-10

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 [13] A1  
 [51] Int.Cl. B60D 5/00 (2006.01) B61D 17/20 (2006.01)  
 [25] FR  
 [54] INTERCAR LINKAGE PASSAGE AND ASSOCIATED VEHICLE  
 [54] PASSAGE D'INTERCIRCULATION ET VEHICLE ASSOCIE  
 [72] PREVOST, THOMAS, FR  
 [72] SCHAFF, CAROLINE, FR  
 [71] ALSTOM TRANSPORT TECHNOLOGIES, FR  
 [22] 2021-11-10  
 [41] 2022-05-13  
 [30] FR (2011668) 2020-11-13

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| <p>[21] <b>3,138,435</b><br/> [13] A1</p> <p>[51] Int.Cl. B65D 5/20 (2006.01)<br/> [25] EN<br/> [54] CONTAINERS HAVING FOLDING TOPS AND BLANKS THEREFOR<br/> [54] CONTEINANTS AYANT DES PARTIES SUPERIEURES PLIANTES ET DECOUPES CONNEXES<br/> [72] MCLEOD, MICHAEL, US<br/> [71] WESTROCK SHARED SERVICES, LLC, US<br/> [22] 2021-11-10<br/> [41] 2022-05-11<br/> [30] US (63/112,557) 2020-11-11</p> <hr/> <p>[21] <b>3,138,448</b><br/> [13] A1</p> <p>[51] Int.Cl. F16B 25/02 (2006.01)<br/> [25] EN<br/> [54] SELF-DRILLING, ANTI-BURR, THREADED FASTENER<br/> [54] ATTACHE FILETEE ANTI-BAVURE ET AUTOFOREUSE<br/> [72] SPIRIG, SVEN, US<br/> [72] REINHEIMER, KEVIN, US<br/> [72] SCHANZENBACH, ERICH, US<br/> [71] SFS INTEC HOLDING AG, CH<br/> [22] 2021-11-10<br/> [41] 2022-05-12<br/> [30] US (63/112,836) 2020-11-12</p> <hr/> <p>[21] <b>3,138,469</b><br/> [13] A1</p> <p>[51] Int.Cl. G06F 1/18 (2006.01) G06F 1/16 (2006.01) G06F 15/00 (2006.01)<br/> [25] EN<br/> [54] SINGLE-BOARD COMPUTER CARTRIDGE<br/> [54] CARTOUCHE D'ORDINATEUR MONOCARTE<br/> [72] SMITH, DANIEL M., US<br/> [71] ORTRONICS, INC., US<br/> [22] 2021-11-10<br/> [41] 2022-05-12<br/> [30] US (63/113,069) 2020-11-12</p> | <p>[21] <b>3,138,487</b><br/> [13] A1</p> <p>[51] Int.Cl. A01G 23/08 (2006.01)<br/> [25] EN<br/> [54] ROLLER FOR USE WITH HEAVY EQUIPMENT<br/> [54] ROULEAU A UTILISER AVEC DE L'EQUIPEMENT LOURD<br/> [72] SIAPERAS, MICHAEL A., US<br/> [71] 106 REFORESTATION, LLC, US<br/> [22] 2021-11-10<br/> [41] 2022-05-13<br/> [30] US (17/098158) 2020-11-13</p> <hr/> <p>[21] <b>3,138,490</b><br/> [13] A1</p> <p>[51] Int.Cl. A01G 23/087 (2006.01) E02F 3/815 (2006.01)<br/> [25] EN<br/> [54] TREE FELLING BLADE FOR USE WITH HEAVY EQUIPMENT<br/> [54] LAME POUR LA COUPE DES ARBRES A UTILISER AVEC DE L'EQUIPEMENT LOURD<br/> [72] SIAPERAS, MICHAEL A., US<br/> [71] 106 REFORESTATION, LLC, US<br/> [22] 2021-11-10<br/> [41] 2022-05-13<br/> [30] US (63/113,728) 2020-11-13<br/> [30] US (17/522,291) 2021-11-09</p> <hr/> <p>[21] <b>3,138,491</b><br/> [13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A23L 19/00 (2016.01) A01H 6/34 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)<br/> [25] EN<br/> [54] NUN 32363 CUS<br/> [54] NUN 32363 CUS<br/> [72] DOGAN, REMZI, TR<br/> [71] NUNHEMS B.V., NL<br/> [22] 2021-11-10<br/> [41] 2022-05-11<br/> [30] AU (2020904130) 2020-11-11</p> | <p>[21] <b>3,138,540</b><br/> [13] A1</p> <p>[51] Int.Cl. C07C 2/82 (2006.01) C07C 1/12 (2006.01)<br/> [25] EN<br/> [54] METHODS AND SYSTEMS FOR CONVERTING CARBON OXIDES TO OLEFINS<br/> [54] METHODES ET SYSTEMES POUR CONVERTIR DES OXYDES DE CARBONE EN OLEFINES<br/> [72] PODREBARAC, GARY G., US<br/> [72] KATENDE, EDWARD, US<br/> [72] LIU, ZAN, US<br/> [71] LUMMUS TECHNOLOGY LLC, US<br/> [22] 2021-11-09<br/> [41] 2022-05-13<br/> [30] US (63/223,215) 2021-07-19<br/> [30] US (63/113,636) 2020-11-13</p> <hr/> <p>[21] <b>3,138,541</b><br/> [13] A1</p> <p>[51] Int.Cl. B60P 3/16 (2006.01)<br/> [25] EN<br/> [54] JOBSITE OPERATIONAL STATUS DETECTION FOR CONCRETE TRUCKS<br/> [54] DETECTION DE L'ETAT OPERATIONNEL D'UN CHANTIER DE CONSTRUCTION POUR DES BETONNIERES<br/> [72] STECKLING, SCOTT, US<br/> [72] RYAN, RAYMOND, US<br/> [71] OSHKOSH CORPORATION, US<br/> [22] 2021-11-10<br/> [41] 2022-05-10<br/> [30] US (63/111,907) 2020-11-10<br/> [30] US (17/519,731) 2021-11-05</p> |
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| <p>[21] <b>3,138,552</b><br/> [13] A1</p> <p>[51] Int.Cl. F26B 21/00 (2006.01) D06F<br/> 60/00 (2009.01) F26B 3/04 (2006.01)<br/> F26B 5/04 (2006.01) F26B 7/00<br/> (2006.01)</p> <p>[25] EN</p> <p>[54] DRYER FOR DRYING DRY MATERIALS, ESPECIALLY TEXTILES</p> <p>[54] SECHOIR POUR LE SECHAGE DE MATERIAUX SECS, EN PARTICULIER DES TEXTILES</p> <p>[72] WIECEK, TADEUSZ MAX, DE</p> <p>[72] WIECEK, ELZBIETA, DE</p> <p>[72] GESCH, NATALIE, DE</p> <p>[71] WIECEK, TADEUSZ MAX, DE</p> <p>[71] WIECEK, ELZBIETA, DE</p> <p>[71] GESCH, NATALIE, DE</p> <p>[22] 2021-11-09</p> <p>[41] 2022-05-12</p> <p>[30] DE (DE 10 2020 129 945.1) 2020-11-12</p> |
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| <p>[21] <b>3,138,579</b><br/> [13] A1</p> <p>[51] Int.Cl. G06F 3/0481 (2022.01) G06Q<br/> 40/02 (2012.01)</p> <p>[25] EN</p> <p>[54] PRESENTATION AND CONTROL OF USER INTERACTION WITH AN ARC-SHAPED USER INTERFACE ELEMENT</p> <p>[54] PRESENTATION ET CONTROLE D'UNE INTERACTION D'UTILISATEUR AVEC UN ELEMENT D'INTERFACE UTILISATEUR EN FORME D'ARC</p> <p>[72] LIU, ZHE, US</p> <p>[72] DEIGHTON, OLIVER, US</p> <p>[72] JOHNSON, MELVIN, US</p> <p>[71] CAPITAL ONE SERVICES, LLC, US</p> <p>[22] 2021-11-10</p> <p>[41] 2022-05-13</p> <p>[30] US (17/097793) 2020-11-13</p> |
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| <p>[21] <b>3,138,632</b><br/> [13] A1</p> <p>[51] Int.Cl. G06Q 30/02 (2012.01) G06Q<br/> 30/06 (2012.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS TO TRACK GUEST USER REWARD POINTS</p> <p>[54] SYSTEMES ET METHODES DE SUIVI DES POINTS DE RECOMPENSE D'UN UTILISATEUR INVITE</p> <p>[72] CURTIS, WILLIAM, CA</p> <p>[72] DICKISON, ERYN ALEXA, CA</p> <p>[72] BENTO, JOSE, CA</p> <p>[72] DUFFY, DUSTIN, CA</p> <p>[72] PASSMORE, CLAYTON, CA</p> <p>[72] HENNESSY, MATTHEW, CA</p> <p>[72] AL BURGHILI, BURAA, CA</p> <p>[72] KAILASAM, SIVAKUMAR, CA</p> <p>[72] WILLEMSMA, EDGAR ALEXANDER, CA</p> <p>[72] SCHMITKE, EDGAR ALEXANDER, CA</p> <p>[72] ALVARADO MEZA, ELY JOAQUIN, CA</p> <p>[72] LUTZ, NATHANIEL, CA</p> <p>[71] SMILE INC., CA</p> <p>[22] 2021-11-10</p> <p>[41] 2022-05-10</p> <p>[30] US (63/111,988) 2020-11-10</p> <p>[30] US (63/271,457) 2021-10-25</p> |
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| <p>[21] <b>3,138,662</b><br/> [13] A1</p> <p>[51] Int.Cl. G01M 1/38 (2006.01) B23D<br/> 61/02 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND MACHINE FOR BALANCING OF DISC BLADES</p> <p>[54] METHODE ET MACHINE POUR EQUILIBRER DES LAMES EN DISQUES</p> <p>[72] POZZO, PIERGIORGIO, IT</p> <p>[71] C.M.T. UTENSILI S.P.A., IT</p> <p>[22] 2021-11-11</p> <p>[41] 2022-05-13</p> <p>[30] IT (102020000027248) 2020-11-13</p> |
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| <p>[21] <b>3,138,647</b><br/> [13] A1</p> <p>[51] Int.Cl. B43L 7/033 (2006.01) B43L<br/> 7/08 (2006.01) B43L 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] VARIABLE RADIUS ARC SCRIBING ARRANGEMENT FOR A FRAMING SQUARE</p> <p>[54] CONFIGURATION DE TRUSQUINAGE D'UN ARC A RAYON VARIABLE POUR UN CARRE DE CADRAGE</p> <p>[72] WOJCIECHOWSKI, TIMOTHY J., US</p> <p>[72] MENCHEL, DAVID, US</p> <p>[71] JOHNSON LEVEL &amp; TOOL MFG. CO., INC., US</p> <p>[22] 2021-11-11</p> <p>[41] 2022-05-12</p> <p>[30] US (63/112,949) 2020-11-12</p> <p>[30] US (17/490,513) 2021-09-30</p> |
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| <hr/> <p style="text-align: right;">[21] <b>3,138,730</b><br/> [13] A1</p> <p>[51] Int.Cl. G06F 40/20 (2020.01) G06Q 10/06 (2012.01) G06F 40/279 (2020.01) G06F 40/30 (2020.01)<br/> [25] EN<br/> [54] PUBLIC OPINION ANALYSIS METHOD AND SYSTEM FOR PRIVIDING EARLY WARNING OF ENTERPRISE RISKS<br/> [54] METHODE ET SYSTEME D'ANALYSE DE L'OPINION PUBLIQUE POUR FOURNIR UN AVERTISSEMENT PRECOCE DES RISQUES D'ENTREPRISE<br/> [72] LI, JIAQING, CN<br/> [71] 10353744 CANADA LTD., CA<br/> [22] 2021-11-12<br/> [41] 2022-05-12<br/> [30] CN (202011264306.X) 2020-11-12</p> <hr/> <p style="text-align: right;">[21] <b>3,138,734</b><br/> [13] A1</p> <p>[51] Int.Cl. H04L 43/50 (2022.01) H04L 43/08 (2022.01) H04L 61/09 (2022.01)<br/> [25] EN<br/> [54] DNS-BASED MULTI-ENVIRONMENT TESTING ACCESS METHOD AND DEVICE<br/> [54] METHODE ET DISPOSITIF D'ACCES D'ESSAI MULTI-ENVIRONNEMENT FONDES SUR LE DNS<br/> [72] WANG, QUANZHONG, CN<br/> [71] 10353744 CANADA LTD., CA<br/> [22] 2021-11-12<br/> [41] 2022-05-12<br/> [30] CN (202011264289.X) 2020-11-12</p> <hr/> <p style="text-align: right;">[21] <b>3,138,738</b><br/> [13] A1</p> <p>[51] Int.Cl. E04B 1/38 (2006.01) E04B 1/61 (2006.01) E04B 2/00 (2006.01) E04C 5/16 (2006.01)<br/> [25] EN<br/> [54] CONTROL JOINT<br/> [54] JOINT DE RUPTURE<br/> [72] KERSTING, JEFFREY F., US<br/> [71] CLARKWESTERN DIETRICH BUILDING SYSTEMS LLC, US<br/> [22] 2021-11-12<br/> [41] 2022-05-12<br/> [30] US (63/112,925) 2020-11-12</p> | <hr/> <p style="text-align: right;">[21] <b>3,138,745</b><br/> [13] A1</p> <p>[51] Int.Cl. G06Q 30/02 (2012.01) G06N 20/00 (2019.01)<br/> [25] EN<br/> [54] METHOD AND DEVICE FOR CIRCLING AND CREATING TARGET POPULATION<br/> [54] METHODE ET DISPOSITIF POUR ENCLER ET CREER UNE POPULATION CIBLE<br/> [72] JING, WEI, CN<br/> [72] SHEN, HAIWANG, CN<br/> [71] 10353744 CANADA LTD., CA<br/> [22] 2021-11-12<br/> [41] 2022-05-11<br/> [30] CN (202011256903.8) 2020-11-11</p> <hr/> <p style="text-align: right;">[21] <b>3,138,746</b><br/> [13] A1</p> <p>[51] Int.Cl. B65D 5/43 (2006.01) B65D 5/49 (2006.01)<br/> [25] EN<br/> [54] INVOLATE BOX<br/> [54] BOITE INVOLABLE<br/> [72] UBELL, EDWARD, US<br/> [71] SUNSHINE ENCLOSURES LLC, US<br/> [22] 2021-11-12<br/> [41] 2022-05-12<br/> [30] US (17/095,793) 2020-11-12</p> <hr/> <p style="text-align: right;">[21] <b>3,138,753</b><br/> [13] A1</p> <p>[51] Int.Cl. G06Q 10/08 (2012.01)<br/> [25] EN<br/> [54] METHOD OF AND DEVICE FOR MONITORING INVENTORY DATA, COMPUTER EQUIPMENT AND STORAGE MEDIUM<br/> [54] METHODE ET DISPOSITIF POUR SURVEILLER DES DONNEES D'INVENTAIRE, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE<br/> [72] JIANG, YANGJIAN, CN<br/> [72] LIU, JIANYANG, CN<br/> [72] YAO, SHUN, CN<br/> [72] SHI, KAILI, CN<br/> [72] ZHENG, XUELUN, CN<br/> [71] 10353744 CANADA LTD., CA<br/> [22] 2021-11-12<br/> [41] 2022-05-11<br/> [30] CN (202011256906.1) 2020-11-11</p> | <hr/> <p style="text-align: right;">[21] <b>3,138,757</b><br/> [13] A1</p> <p>[51] Int.Cl. B25J 1/04 (2006.01) B25J 15/06 (2006.01) B65G 9/00 (2006.01) B66C 1/06 (2006.01)<br/> [25] EN<br/> [54] MATERIAL HANDLING TOOL<br/> [54] OUTIL DE MANUTENTION<br/> [72] RAYBURN, ERIC RAY, US<br/> [71] NUCOR CORPORATION, US<br/> [22] 2021-11-12<br/> [41] 2022-05-12<br/> [30] US (17/096,549) 2020-11-12</p> <hr/> <p style="text-align: right;">[21] <b>3,138,761</b><br/> [13] A1</p> <p>[51] Int.Cl. G06F 17/00 (2019.01) G06F 9/44 (2018.01)<br/> [25] EN<br/> [54] METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM FOR VERIFYING INTER-SYSTEM DATA ADMISSION<br/> [54] METHODE, DISPOSITIF, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE POUR VERIFIER L'ARRIVEE DE DONNEES ENTRE LES SYSTEMES<br/> [72] WANG, XIN, CN<br/> [72] LIN, RENSHAN, CN<br/> [72] GE, WEI, CN<br/> [72] ZHU, HUALAN, CN<br/> [71] 10353744 CANADA LTD., CA<br/> [22] 2021-11-12<br/> [41] 2022-05-11<br/> [30] CN (202011254849.3) 2020-11-11</p> <hr/> <p style="text-align: right;">[21] <b>3,138,764</b><br/> [13] A1</p> <p>[51] Int.Cl. G06F 17/00 (2019.01)<br/> [25] EN<br/> [54] DATA PROCESSING METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM<br/> [54] METHODE DE TRAITEMENT DE DONNEES, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE<br/> [72] JING, WEI, CN<br/> [72] WEI, FENG, CN<br/> [71] 10353744 CANADA LTD., CA<br/> [22] 2021-11-12<br/> [41] 2022-05-11<br/> [30] CN (202011257505.8) 2020-11-11</p> |
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| <p style="text-align: right;">[21] <b>3,138,765</b><br/> [13] A1</p> <p>[51] Int.Cl. B60R 16/03 (2006.01)<br/> [25] EN<br/> [54] ALL-TERRAIN VEHICLE AND METHOD FOR POWERING ALL-TERRAIN VEHICLE<br/> [54] VEHICULE TOUT-TERRAIN ET METHODE D'ALIMENTATION<br/> [72] ZHANG, LIANG, CN<br/> [71] SEGWAY TECHNOLOGY CO., LTD., CN<br/> [22] 2021-11-12<br/> [41] 2022-05-13<br/> [30] CN (202022637524.5) 2020-11-13</p>   | <p style="text-align: right;">[21] <b>3,138,786</b><br/> [13] A1</p> <p>[51] Int.Cl. A01G 23/10 (2006.01) A01G 23/12 (2006.01)<br/> [25] EN<br/> [54] SAP COLLECTOR<br/> [54] COLLECTEUR DE SEVE<br/> [72] SANDBERG, JOHN W., US<br/> [71] SANDBERG, JOHN W., US<br/> [22] 2021-11-11<br/> [41] 2022-05-11<br/> [30] US (63/112,502) 2020-11-11</p>   | <p style="text-align: right;">[21] <b>3,139,010</b><br/> [13] A1</p> <p>[51] Int.Cl. E06B 3/663 (2006.01) A47F 3/04 (2006.01) E06B 3/24 (2006.01) E06B 7/16 (2006.01) F25D 23/02 (2006.01)<br/> [25] EN<br/> [54] TRANSPARENT DOOR<br/> [54] PORTE TRANSPARENTE<br/> [72] LAMONTAGNE, RICK M., US<br/> [72] ESTES, MICHAEL S., US<br/> [72] PEW, STEPHEN, US<br/> [72] SUNKARA, SAICHARAN, US<br/> [71] HUSSMANN CORPORATION, US<br/> [22] 2021-11-12<br/> [41] 2022-05-12<br/> [30] US (63/112985) 2020-11-12</p> |
| <p style="text-align: right;">[21] <b>3,138,768</b><br/> [13] A1</p> <p>[51] Int.Cl. G06F 9/44 (2018.01)<br/> [25] EN<br/> [54] DATA PROCESSING METHOD AND DEVICE BASED ON TIMED TASK, AND COMPUTER EQUIPMENT<br/> [54] METHODE ET DISPOSITIF DE TRAITEMENT DE DONNEES EN FONCTION D'UNE TACHE PROGRAMMEE ET MATERIEL INFORMATIQUE<br/> [72] ZHANG, ZHILIANG, CN<br/> [72] XU, LEI, CN<br/> [71] 10353744 CANADA LTD., CA<br/> [22] 2021-11-12<br/> [41] 2022-05-12<br/> [30] CN (202011262157.3) 2020-11-12</p> | <p style="text-align: right;">[21] <b>3,138,895</b><br/> [13] A1</p> <p>[51] Int.Cl. H02G 3/08 (2006.01) H02G 3/12 (2006.01)<br/> [25] EN<br/> [54] ADJUSTABLE-DEPTH RING ASSEMBLY AND METHOD OF INSTALLATION<br/> [54] ASSEMBLAGE DE BAGUE A PROFONDEUR AJUSTABLE ET METHODE D'INSTALLATION<br/> [72] JOHNSON, JACOB LEE, US<br/> [72] BROOKS, DAVID CHARLES, US<br/> [72] TUTEJA, HARPREET SINGH, IN<br/> [71] EATON INTELLIGENT POWER LIMITED, IE<br/> [22] 2021-11-12<br/> [41] 2022-05-13<br/> [30] IN (202011049643) 2020-11-13</p> | <p style="text-align: right;">[21] <b>3,139,022</b><br/> [13] A1</p> <p>[51] Int.Cl. A45D 40/04 (2006.01) A45D 40/02 (2006.01)<br/> [25] EN<br/> [54] CHILD-RESISTANT DEODORANT STICK CONTAINER<br/> [54] CONTENANT POUR BATON DESODORISANT A L'EPREUVE DES ENFANTS<br/> [72] MARKARIAN, MICHAEL, US<br/> [71] CONTEMPO CARD COMPANY, US<br/> [22] 2021-11-15<br/> [41] 2022-05-13<br/> [30] US (63/113,401) 2020-11-13<br/> [30] CN (2021219253271) 2021-08-17</p>  |
| <p style="text-align: right;">[21] <b>3,138,769</b><br/> [13] A1</p> <p>[51] Int.Cl. B60R 16/03 (2006.01)<br/> [25] EN<br/> [54] ALL-TERRAIN VEHICLE AND METHOD FOR SUPPLYING POWER TO ALL-TERRAIN VEHICLE<br/> [54] VEHICULE TOUT-TERRAIN ET METHODE D'ALIMENTATION<br/> [72] ZHANG, LIANG, CN<br/> [71] SEGWAY TECHNOLOGY CO., LTD., CN<br/> [22] 2021-11-12<br/> [41] 2022-05-13<br/> [30] CN (202022636104.5) 2020-11-13</p>   | <p style="text-align: right;">[21] <b>3,138,916</b><br/> [13] A1</p> <p>[51] Int.Cl. G01F 15/00 (2006.01) G01F 1/05 (2006.01)<br/> [25] EN<br/> [54] ENERGY AUTONOMOUS GAS FLOW METER<br/> [54] DEBITMETRE DE GAZ A AUTONOMIE D'ENERGIE<br/> [72] REDMOND, JAMES, CA<br/> [72] SOBIN, ZACKERY, US<br/> [71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US<br/> [22] 2021-11-12<br/> [41] 2022-05-13<br/> [30] US (17/097,440) 2020-11-13</p>   | <p style="text-align: right;">[21] <b>3,139,154</b><br/> [13] A1</p> <p>[51] Int.Cl. E04F 13/08 (2006.01) E04F 13/07 (2006.01)<br/> [25] EN<br/> [54] FLAT SIDING PANEL AND PANEL SIDING SYSTEM<br/> [54] PANNEAU DE REVETEMENT PLAT ET SYSTEME<br/> [72] STEFFES, STEPHEN W., US<br/> [72] KIRN, BRIAN W., US<br/> [71] CERTAINTEED LLC, US<br/> [22] 2021-11-15<br/> [41] 2022-05-13<br/> [30] US (63/113,669) 2020-11-13</p>  |

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| <hr/> <p style="text-align: right;">[21] <b>3,139,157</b><br/> [13] A1</p> <p>[51] Int.Cl. G06N 10/60 (2022.01) G06N 3/08 (2006.01)<br/> [25] EN<br/> [54] GENERATION OF HIGHER-RESOLUTION DATASETS WITH A QUANTUM COMPUTER<br/> [54] GENERATION D'ENSEMBLE DE DONNEES DE PLUS HAUTE RESOLUTION A L'AIDE D'UN ORDINATEUR QUANTIQUE<br/> [72] PERDOMO ORTIZ, ALEJANDRO, US<br/> [72] RUDOLPH, MANUEL S., US<br/> [71] ZAPATA COMPUTING, INC., US<br/> [22] 2021-11-12<br/> [41] 2022-05-11<br/> [30] US (63/112,485) 2020-11-11</p> <hr/> <p style="text-align: right;">[21] <b>3,139,187</b><br/> [13] A1</p> <p>[51] Int.Cl. H04L 25/20 (2006.01) H04B 7/08 (2006.01) H04B 7/14 (2006.01)<br/> [25] EN<br/> [54] DIRECT DIGITAL CHANNELIZER REPEATER<br/> [54] REPETEUR A CANAUX EN PARALLELE NUMERIQUE DIRECT<br/> [72] ANDERSON, DALE ROBERT, US<br/> [72] ASHWORTH, CHRISTOPHER KEN, US<br/> [71] WILSON ELECTRONICS, LLC, US<br/> [22] 2021-11-15<br/> [41] 2022-05-13<br/> [30] US (63/113,684) 2020-11-13</p> <hr/> <p style="text-align: right;">[21] <b>3,139,243</b><br/> [13] A1</p> <p>[51] Int.Cl. G06F 17/40 (2006.01) G06Q 30/02 (2012.01)<br/> [25] EN<br/> [54] INFORMATION COLLECTION METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM<br/> [54] METHODE DE COLLECTE DE RENSEIGNEMENTS, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE<br/> [72] CHENG, ZHU, CN<br/> [72] YIN, YUEGEN, CN<br/> [72] WANG, XIAOYAN, CN<br/> [72] DIAO, AINA, CN<br/> [72] SI, XIAOBO, CN<br/> [71] 10353744 CANADA LTD., CA<br/> [22] 2021-11-15<br/> [41] 2022-05-13<br/> [30] CN (202011269484.1) 2020-11-13</p> | <hr/> <p style="text-align: right;">[21] <b>3,144,597</b><br/> [13] A1</p> <p>[51] Int.Cl. G07C 13/00 (2006.01) G06F 16/23 (2019.01) G06F 16/27 (2019.01)<br/> [25] EN<br/> [54] VOTING SYSTEM TO PREVENT FRAUD USING BLOCKCHAIN<br/> [54] SYSTEME DE VOTE POUR PREVENIR LA FRAUDE A L'AIDE DE LA CHAINE DE BLOCS<br/> [72] LOYD, NATHANIEL, US<br/> [71] LOYD, NATHANIEL, US<br/> [22] 2021-12-31<br/> [41] 2022-05-12<br/> [30] US (63/113,366) 2020-11-12<br/> [30] US (17/133,519) 2020-12-23<br/> [30] US (17/234,755) 2021-04-19</p> <hr/> <p style="text-align: right;">[21] <b>3,148,308</b><br/> [13] A1</p> <p>[51] Int.Cl. B06B 1/12 (2006.01) E02D 7/18 (2006.01)<br/> [25] EN<br/> [54] DEVICE FOR GENERATING PERCUSSIVE PULSES OR VIBRATIONS FOR A CONSTRUCTION MACHINE<br/> [54] DISPOSITIF DE GENERATION D'IMPULSIONS PERCUSSIVES OU DES VIBRATIONS POUR UNE MACHINE DE CONSTRUCTION<br/> [72] MERZHAEUSER, MARKUS, DE<br/> [71] EURODRILL GMBH, DE<br/> [22] 2021-10-26<br/> [41] 2022-05-13<br/> [30] EP (20 207 463.9) 2020-11-13</p> <hr/> <p style="text-align: right;">[21] <b>3,150,248</b><br/> [13] A1</p> <p>[51] Int.Cl. G01F 1/84 (2006.01)<br/> [25] EN<br/> [54] METHOD FOR COMPENSATING THE INFLUENCE OF THE REYNOLDS NUMBER ON THE MEASUREMENT OF A CORIOLIS MASS FLOW METER, AND CORRESPONDING DEVICE<br/> [54] METHODE POUR COMPENSER L'INFLUENCE DU NOMBRE DE REYNOLDS SUR LA MESURE D'UN DEBITMETRE DE LA MASSE DE CORIOLIS ET DISPOSITIF CORRESPONDANT<br/> [72] REINSHAUS, PETER, DE<br/> [71] ROTA YOKOGAWA GMBH &amp; CO. KG, DE<br/> [22] 2022-02-25<br/> [41] 2022-05-09<br/> [30] US (DE 10 2021 202 464.5) 2021-03-15</p> | <hr/> <p style="text-align: right;">[21] <b>3,150,998</b><br/> [13] A1</p> <p>[51] Int.Cl. H05B 45/37 (2020.01) F21K 9/00 (2016.01) H05B 45/20 (2020.01) H05B 45/34 (2020.01) H05K 1/02 (2006.01)<br/> [25] EN<br/> [54] LED DEVICE WITH LATERAL LIGHT EMISSION<br/> [54] DISPOSITIF A DEL A EMISSION DE LUMIERE LATERALE<br/> [72] WU, QINGAN, CN<br/> [72] LIN, XIONGZHONG, CN<br/> [72] HUANG, YAYING, CN<br/> [71] ZHANGZHOU GO WIN LIGHTING CO., LTD, CN<br/> [22] 2022-03-02<br/> [41] 2022-05-12<br/> [30] CN (202120512505.1) 2021-03-11</p> <hr/> <p style="text-align: right;">[21] <b>3,153,163</b><br/> [13] A1</p> <p>[51] Int.Cl. G06Q 10/08 (2012.01) A47G 29/20 (2006.01) E05G 1/02 (2006.01)<br/> [25] EN<br/> [54] SYSTEM FOR PARCEL TRANSPORT OPERATED RESPONSIVE TO DATA BEARING RECORDS<br/> [54] SYSTEME DE TRANSPORT DE COLIS EXPLOITE EN REPONSE A DES DOSSIERS CONTENANT DES DONNEES<br/> [72] ESTILL, JIM, CA<br/> [72] REDFERN, DARREN, CA<br/> [71] SHIPPERBEE, INC., CA<br/> [22] 2021-11-03<br/> [41] 2022-05-12<br/> [30] US (63/112,829) 2020-11-12</p> |
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- [25] EN
- [54] COMPOSITIONS COMPRISING NATURAL EXTRACTS FOR STIMULATING THE IMMUNE RESPONSE
- [54] COMPOSITIONS COMPRENANT DES EXTRAITS NATURELS POUR STIMULER LA REPONSE IMMUNITAIRE
- [72] AL-SHAIBANI, ABDULHAMEED ABDULRIDHA K., LB
- [72] MAALLAH, ABDERRAHIM, CA
- [71] LEBANESE ARABIAN COMPANY FOR ALTERNATIVE THERAPEUTICS, LB
- [71] SHIBAN CANADA INC., CA
- [85] 2022-02-24
- [86] 2021-11-11 (PCT/CA2021/051604)
- [87] (3151164)
- [30] US (63/113,319) 2020-11-13

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- [25] EN
- [54] PYRUVATE KINASE R (PKR) ACTIVATING COMPOSITIONS
- [54] COMPOSITIONS D'ACTIVATION DE LA PYRUVATE KINASE R (PKR)
- [72] LUKE, GEORGE P., US
- [72] BABU, SURESH, US
- [71] FORMA THERAPEUTICS INC., US
- [85] 2022-03-17
- [86] 2020-09-18 (PCT/US2020/051645)
- [87] (WO2021/055863)
- [30] US (16/576,360) 2019-09-19
- [30] US (62/906,437) 2019-09-26
- [30] US (63/024,441) 2020-05-13
- [30] US (US2019/052024) 2019-09-19
- [30] US (62/705,106) 2020-06-11
- [30] US (62/902,887) 2019-09-19
- [30] US (16/576,720) 2019-09-19
- [30] US (62/704,785) 2020-05-28
- [30] US (63/024,432) 2020-05-13

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- [51] Int.Cl. C21D 1/06 (2006.01) C21D 1/10 (2006.01) C21D 1/18 (2006.01) C21D 1/42 (2006.01) C21D 9/00 (2006.01)
- [25] EN
- [54] HIGH CARBON STEEL TRACK BUSHING
- [54] DOUILLE DE VOIE EN ACIER A HAUTE TENEUR EN CARBONE
- [72] RATHOD, CHANDRASEN RAMESHLAL, US
- [72] RECKER, ROGER LEE, US
- [72] PICKERILL, ROBERT JASON, US
- [72] KEELE, SCOTT E., US
- [72] KISER, MATTHEW THOMAS, US
- [71] CATERPILLAR INC., US
- [85] 2022-03-17
- [86] 2020-08-21 (PCT/US2020/047292)
- [87] (WO2021/061313)
- [30] US (16/584,158) 2019-09-26

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- [51] Int.Cl. G06Q 10/06 (2012.01) G06Q 10/08 (2012.01)
- [25] EN
- [54] MATERIAL TREATMENT MANAGEMENT, TRACKING AND/OR REGULATION COMPLIANCE PLATFORM, SYSTEM AND METHOD
- [54] PLATEFORME, SYSTEME ET PROCEDE DE CONFORMITE DE GESTION, DE SUIVI ET/OU DE REGULATION DE TRAITEMENT DE MATERIAU
- [72] DRYMAN, ZACHARY WAYNE, CA
- [71] DIVERSYS SOFTWARE INC., CA
- [85] 2022-03-17
- [86] 2020-10-28 (PCT/CA2020/051441)
- [87] (WO2021/081636)
- [30] US (62/926,945) 2019-10-28

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- [51] Int.Cl. A01D 41/14 (2006.01)
- [25] EN
- [54] CUTTING MECHANISM WITH CUTTING ELEMENTS WHICH ARE MOUNTED IN A HEIGHT-ELASTIC MANNER
- [54]
- [72] SUDHUES, STEFFEN, DE
- [72] WEBERMANN, DIRK, DE
- [72] STUCKMANN, RAPHAEL, DE
- [72] SCHARMANN, JOCHEN, DE
- [72] POKRIEFKE, MICHAEL, DE
- [71] CARL GERINGHOFF GMBH & CO. KG, DE
- [85] 2022-03-17
- [86] 2020-09-11 (PCT/EP2020/075481)
- [87] (WO2021/052885)
- [30] DE (10 2019 125 282.2) 2019-09-19

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- [51] Int.Cl. C11D 3/37 (2006.01) C11D 11/00 (2006.01) C11D 17/00 (2006.01)
- [25] EN
- [54] LIQUID LAUNDRY DETERGENT WITH CLEANING BOOSTER
- [54] DETERGENT DE BLANCHISSERIE LIQUIDE AVEC AGENT DE RENFORCEMENT DU NETTOYAGE
- [72] DONOVAN, STEPHEN J., US
- [72] IZMITLI, ASLIN, US
- [72] PEERA, ASGHAR A., US
- [72] TULCHINSKY, MICHAEL L., US
- [72] WASSERMAN, ERIC, US
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
- [71] ROHM AND HAAS COMPANY, US
- [85] 2022-03-17
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- [87] (WO2021/061774)
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 [25] EN  
 [54] SYSTEMS AND METHODS OF COMBINED IMAGING  
 [54] SYSTEMES ET PROCEDES D'IMAGERIE COMBINEE  
 [72] GOPINATH, AJAY, US  
 [71] LIGHTLAB IMAGING, INC., US  
 [85] 2022-03-17  
 [86] 2020-09-18 (PCT/US2020/051501)  
 [87] (WO2021/055754)  
 [30] US (62/902,948) 2019-09-19

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[51] Int.Cl. A23L 33/105 (2016.01) A23L 33/15 (2016.01) A23L 33/16 (2016.01) A23L 33/17 (2016.01) A61K 31/315 (2006.01) A61P 27/02 (2006.01)  
 [25] EN  
 [54] COMPOSITION OF A DIETARY SUPPLEMENT AND/OR A NUTRITIONAL ADDITIVE FOR FOOD, A UNITARY DOSAGE FORM OF SAID COMPOSITION, AND THEIR USE FOR IMPROVEMENT OF THE QUALITY OF VISUAL PERFORMANCE INCLUDING CONTRAST SENSITIVITY IN PERSONS IN NEED OF SUCH IMPROVEMENT, INCLUDING PERSONS SUFFERING FROM AT LEAST ONE EYE DISEASE, PARTICULARLY VITREOUS FLOATERS  
 [54] COMPOSITION D'UN COMPLEMENT ALIMENTAIRE ET/OU D'UN ADDITIF NUTRITIONNEL POUR ALIMENTS, FORME POSOLOGIQUE UNITAIRE DE LADITE COMPOSITION, ET LEUR UTILISATION POUR L'AMELIORATION DE LA QUALITE DE PERFORMANCE VISUELLE, Y COMPRIS LA SENSIBILITE DE CONTRASTE CHEZ DES PERSONNES AYANT BESOIN D'UNE TELLE AMELIORATION, Y COMPRIS DES PERSONNES SOUFFRANT D'AU MOINS ...  
 [72] NOLAN, JOHN, IE  
 [72] ANKAMAH, EMMANUEL, IE  
 [72] OSEKA, MACIEJ, PL  
 [72] KUCHLING, ROBERT, DE  
 [71] EBIGA-VISION GMBH, DE  
 [71] MACIEJ OSEKA 4EYEZ, PL  
 [85] 2022-03-17  
 [86] 2020-09-24 (PCT/PL2020/050069)  
 [87] (WO2021/061000)  
 [30] PL (P.431268) 2019-09-25

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 [25] EN  
 [54] COMPOSITIONS AND METHODS FOR DELIVERING CARGO TO A TARGET CELL  
 [54] COMPOSITIONS ET PROCEDES D'ADMINISTRATION DE CHARGE A UNE CELLULE CIBLE  
 [72] ZHANG, FENG, US  
 [72] SEGEL, MICHAEL, US  
 [71] THE BROAD INSTITUTE, INC., US  
 [71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US  
 [85] 2022-03-17  
 [86] 2020-09-18 (PCT/US2020/051637)  
 [87] (WO2021/055855)  
 [30] US (62/903,127) 2019-09-20  
 [30] US (63/003,409) 2020-04-01

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[51] Int.Cl. B27G 19/00 (2006.01) B27B 17/00 (2006.01)  
 [25] EN  
 [54] PROTECTION SYSTEM AND RELATIVE OPERATING METHOD IN A PORTABLE CUTTING TOOL  
 [54] SYSTEME DE PROTECTION ET PROCEDE DE FONCTIONNEMENT ASSOCIE DANS UN OUTIL DE COUPE PORTABLE  
 [72] NORGIA, MICHELE, IT  
 [72] CAPPELLARI, VALENTINA, IT  
 [71] REDCAP TECHNOLOGY S.R.L., IT  
 [85] 2022-03-17  
 [86] 2019-10-29 (PCT/IB2019/059271)  
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 [30] IT (102018000009889) 2018-10-30

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 [25] EN  
 [54] COMPOSITIONS AND METHODS COMPRISING IONIZABLE LIPID NANOPARTICLES ENCAPSULATING BARCODED mRNA  
 [54] COMPOSITIONS ET METHODES COMPRENANT DES NANOParticules lipidiques ionisables encapsulant un ARNm code à barres  
 [72] MITCHELL, MICHAEL, US  
 [72] GUIMARAES, PEDRO, BR  
 [72] ZHANG, RUI, US  
 [72] SPEKTOR, ROMAN, US  
 [71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US  
 [71] CORNELL UNIVERSITY, US  
 [85] 2022-03-17  
 [86] 2020-09-19 (PCT/US2020/051684)  
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 [30] US (62/903,391) 2019-09-20

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 [25] EN  
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 [54] ENSEMBLE POMPE A SANG IMPLANTABLE COMPRENANT UN MECANISME ANTIROTATION POUR LA CANULE D'ECOULEMENT DE SORTIE ET SON PROCEDE D'ASSEMBLAGE  
 [72] WEST, DUSTIN SETH, US  
 [71] TC1 LLC, US  
 [85] 2022-03-17  
 [86] 2020-07-02 (PCT/US2020/070228)  
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 [30] US (62/904,950) 2019-09-24

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 [25] EN  
 [54] CUTTING UNIT HAVING SENSORS FOR HEIGHT CONTROL  
 [54] UNITE DE COUPE COMPORTANT DES CAPTEURS POUR LA REGULATION DE LA HAUTEUR  
 [72] SCHARMANN, JOCHEN, DE  
 [72] STUCKMANN, RAPHAEL, DE  
 [72] WEBERMANN, DIRK, DE  
 [72] SUDHUES, STEFFEN, DE  
 [71] CARL GERINGHOFF GMBH & CO. KG, DE  
 [85] 2022-03-17  
 [86] 2020-09-17 (PCT/EP2020/076026)  
 [87] (WO2021/053099)  
 [30] DE (10 2019 125 280.6) 2019-09-19

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 [25] EN  
 [54] PROCESSES AND AGENTS FOR GLAUCOMA  
 [54] PROCEDES ET AGENTS CONTRE LE GLAUCOME  
 [72] MITCHELL, JAMES MURRAY, US  
 [72] REMMEL, HARMON LAWRENCE, US  
 [72] MORGAN, MELISSA A., US  
 [72] PENA, JOHN T. G., US  
 [71] AUFBAU MEDICAL INNOVATIONS LIMITED, IE  
 [71] CORNELL UNIVERSITY, US  
 [71] PENA, JOHN T. G., US  
 [85] 2022-03-17  
 [86] 2020-03-25 (PCT/US2020/024592)  
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 [30] US (PCT/US2019/052310) 2019-09-21  
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 [25] EN  
 [54] BENZOXAZINONE COMPOUNDS AS KLK5/7 DUAL INHIBITORS  
 [54] COMPOSES DE BENZOXAZINONE UTILISES COMME INHIBITEURS DOUBLES DE KLK5/7  
 [72] BETZ, ANDREAS, US  
 [72] ZAMBONI, ROBERT, US  
 [71] MOLECULAR SKIN THERAPEUTICS, INC., US  
 [85] 2022-03-17  
 [86] 2020-09-30 (PCT/US2020/053369)  
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[51] Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6855 (2018.01) C12Q 1/6876 (2018.01)  
 [25] EN  
 [54] USE OF SIMULTANEOUS MARKER DETECTION FOR ASSESSING DIFUSE GLIOMA AND RESPONSIVENESS TO TREATMENT  
 [54] UTILISATION D'UNE DETECTION SIMultanEE DE MARQUEURS POUR EVALUER LE GLIOME DIFFUS ET LA REACTIVITE A UN TRAITEMENT  
 [72] RODRIGUEZ, ANALIZ, US  
 [72] WONGSURAWAT, THIDATHIP, US  
 [71] BIOVENTURES, LLC, US  
 [85] 2022-03-17  
 [86] 2020-10-12 (PCT/US2020/055256)  
 [87] (WO2021/072374)  
 [30] US (62/914,141) 2019-10-11

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**[21] 3,151,628**  
[13] A1

[51] Int.Cl. B65D 77/20 (2006.01) B65D 81/20 (2006.01) B65D 81/32 (2006.01)  
[25] EN  
[54] FOOD PRODUCT PACKAGING  
[54] EMBALLAGE DE PRODUIT ALIMENTAIRE  
[72] WHITE, BRIAN, US  
[72] FARVER, JEFF, US  
[72] LESSARD, GERALD, US  
[71] WEST LIBERTY FOODS, L.L.C., US  
[85] 2022-03-17  
[86] 2020-09-25 (PCT/US2020/052688)  
[87] (WO2021/062135)  
[30] US (62/906,329) 2019-09-26

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**[21] 3,151,629**  
[13] A1

[51] Int.Cl. C12Q 1/6886 (2018.01) G16H 50/20 (2018.01) G16B 20/00 (2019.01) G16B 40/20 (2019.01)  
[25] EN  
[54] CLASSIFICATION OF TUMOR MICROENVIRONMENTS  
[54] CLASSIFICATION DE MICROENVIRONNEMENTS TUMORAUX  
[72] BENJAMIN, LAURA E., US  
[72] STRAND-TIBBITS, KRISTEN, US  
[72] PYTOWSKY, BRONISLAW, US  
[72] ZGANEC, MATJAZ, US  
[72] AUSEC, LUKA, US  
[72] ROSENGARTEN, RAFAEL, US  
[72] STAJDOHAR, MIHA, US  
[71] ONCXERNA THERAPEUTICS, INC., US  
[85] 2022-03-17  
[86] 2020-11-04 (PCT/US2020/058956)  
[87] (WO2021/092071)  
[30] US (62/932,307) 2019-11-07  
[30] US (63/008,367) 2020-04-10  
[30] US (63/060,471) 2020-08-03  
[30] US (63/070,131) 2020-08-25

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**[21] 3,151,630**  
[13] A1

[51] Int.Cl. B01J 2/02 (2006.01) B01J 2/18 (2006.01)  
[25] EN  
[54] A METHOD FOR CONTROLLING A VIBRATING PRILLING BUCKET IN A UREA PRILLING PROCESS  
[54] PROCEDE DE COMMANDE D'UN GODET DE GRELONAGE VIBRANT DANS UN PROCESSUS DE GRELONAGE D'UREE  
[72] MARRONE, LEONARDO, IT  
[71] CASALE SA, CH  
[85] 2022-03-17  
[86] 2020-09-01 (PCT/EP2020/074359)  
[87] (WO2021/058242)  
[30] EP (19199166.0) 2019-09-24

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**[21] 3,151,639**  
[13] A1

[51] Int.Cl. C02F 1/72 (2006.01)  
[25] EN  
[54] DESTRUCTION OF PFAS IN THE PRESENCE OF SILICA  
[54] DESTRUCTION DE SUBSTANCES PERFLUOROALKYLEES EN PRESENCE DE SILICE  
[72] DEJARME, LINDY E., US  
[72] DASU, KAVITHA, US  
[71] BATTELLE MEMORIAL INSTITUTE, US  
[85] 2022-03-18  
[86] 2020-10-26 (PCT/US2020/057427)  
[87] (WO2021/081537)  
[30] US (62/926,473) 2019-10-26

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**[21] 3,151,644**  
[13] A1

[51] Int.Cl. B65D 41/34 (2006.01) B65D 51/24 (2006.01) B65D 79/02 (2006.01) G01N 33/00 (2006.01)  
[25] EN  
[54] FOOD SPOILAGE MONITORING DEVICE  
[54] DISPOSITIF DE SURVEILLANCE DE L'ALTERATION DES ALIMENTS  
[72] BARNARD, JOANNE, GB  
[72] HARPUR, DAVID, GB  
[72] RACI, GIORGIA, GB  
[72] KALATHAKI, IASMI, GB  
[72] MATTHEWS, LAWRENCE, GB  
[72] PAKSTAITE, SOLVEIGA, GB  
[71] MIMICA LAB LTD, GB  
[85] 2022-03-18  
[86] 2020-09-15 (PCT/EP2020/075762)  
[87] (WO2021/058335)  
[30] GB (1913884.1) 2019-09-26

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**[21] 3,151,683**  
[13] A1

[51] Int.Cl. H03M 3/00 (2006.01) H03H 17/04 (2006.01) H03H 17/06 (2006.01)  
[25] EN  
[54] SIGNAL DOWN-CONVERSION  
[54] CONVERSION DESCENDANTE DE SIGNAL  
[72] BOOIJ, WILFRED EDWIN, NO  
[72] SHABTAI, ELAD, NO  
[71] FORKBEARD TECHNOLOGIES AS, NO  
[85] 2022-03-18  
[86] 2020-09-16 (PCT/GB2020/052237)  
[87] (WO2021/053332)  
[30] GB (1913604.3) 2019-09-20

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**[21] 3,151,688**

[13] A1

[51] Int.Cl. A01K 5/01 (2006.01)

[25] EN

**[54] FOOD BOWL KIT**

**[54] KIT DE BOL ALIMENTAIRE**

[72] GOYON, ANNABELLE, FR

[72] VIALLE, SANDRINE, FR

[72] TREHIOU, MELANIE, FR

[72] MAO, MATHIEU, FR

[72] KING, TAMMIE, GB

[72] HUNT, ALYSIA, GB

[72] MARSHALL, EMILY, GB

[72] JONES, LEWIS, GB

[71] MARS, INCORPORATED, US

[85] 2022-03-18

[86] 2020-10-30 (PCT/US2020/058288)

[87] (WO2021/087309)

[30] EP (19206648.8) 2019-10-31

[30] EP (20173532.1) 2020-05-07

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**[21] 3,151,689**

[13] A1

[51] Int.Cl. A01N 63/20 (2020.01)

[25] EN

**[54] INSECTICIDAL PROTEINS**

**[54] PROTEINES INSECTICIDES**

[72] REYNOLDS, CLARENCE MICHAEL,  
US

[71] SYNGENTA CROP PROTECTION  
AG, CH

[85] 2022-03-17

[86] 2020-10-13 (PCT/US2020/055326)

[87] (WO2021/076472)

[30] US (62/914,667) 2019-10-14

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**[21] 3,151,690**

[13] A1

[51] Int.Cl. C12N 5/0783 (2010.01) A61K

35/17 (2015.01)

[25] EN

**[54] GENETICALLY-EDITED IMMUNE  
CELLS AND METHODS OF  
THERAPY**

**[54] CELLULES IMMUNITAIRES  
GENETIQUEMENT EDITEES ET  
PROCEDES DE TRAITEMENT**

[72] WEBBER, BEAU, US

[72] MORIARITY, BRANDEN, US

[71] REGENTS OF THE UNVIVERSITY  
OF MINNESOTA, US

[85] 2022-03-18

[86] 2020-09-23 (PCT/US2020/052295)

[87] (WO2021/061832)

[30] US (62/904,299) 2019-09-23

[30] US (62/915,436) 2019-10-15

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**[21] 3,151,696**

[13] A1

[51] Int.Cl. C07D 498/04 (2006.01) A61P  
31/20 (2006.01)

[25] EN

**[54] CRYSTAL FORM OF HEPATITIS B  
SURFACE ANTIGEN INHIBITOR  
AND APPLICATION THEREOF**

**[54] FORME CRISTALLINE D'UN  
INHIBITEUR D'ANTIGENE DE  
SURFACE DE L'HEPATITE B ET  
SON APPLICATION**

[72] CAI, ZHE, CN

[72] SUN, FEI, CN

[72] DING, CHARLES Z., CN

[71] FUJIAN AKEYLINK  
BIOTECHNOLOGY CO., LTD., CN

[85] 2022-03-18

[86] 2020-09-18 (PCT/CN2020/116051)

[87] (WO2021/052447)

[30] CN (201910887908.1) 2019-09-19

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**[21] 3,151,706**

[13] A1

[51] Int.Cl. G01N 27/04 (2006.01)

[25] EN

**[54] A DEVICE, A METHOD, A  
SYSTEM AND A KIT FOR  
MEASURING AN AMOUNT OF  
DIRT BY MEASUREMENT OF  
ELECTRICAL RESISTIVITY**

**[54] DISPOSITIF, PROCEDE, SYSTEME  
ET NECESSAIRE POUR  
MESURER UNE QUANTITE DE  
SALETE PAR MESURE DE  
RESISTIVITE ELECTRIQUE**

[72] REHNSTROM, JOHAN HENRIK, GB

[71] REHNINVENT AB, SE

[85] 2022-03-18

[86] 2020-09-04 (PCT/EP2020/074818)

[87] (WO2021/052784)

[30] SE (1951065-0) 2019-09-20

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**[21] 3,151,707**

[13] A1

[51] Int.Cl. A61M 39/00 (2006.01)

[25] EN

**[54] ONE-TIME PRIMING IV  
INFUSION EXTENSION SET**

**[54] ENSEMBLE D'EXTENSION DE  
PERFUSION INTRAVEINEUSE A  
AMORCAGE EN UNE SEULE FOIS**

[72] LI, JIAGUI, CN

[72] LIANG, RONGJIE, CN

[72] MANSOUR, GEORGE MICHAEL, US

[71] CAREFUSION 303, INC., US

[85] 2022-03-18

[86] 2020-09-11 (PCT/US2020/050560)

[87] (WO2021/055255)

[30] US (16/578,072) 2019-09-20

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**[21] 3,151,711**  
[13] A1

- [51] Int.Cl. H01Q 1/38 (2006.01) H01Q 9/06 (2006.01) H01Q 21/28 (2006.01)
  - [25] EN
  - [54] BEAM DIVERSITY BY SMART ANTENNA WITH PASSIVE ELEMENTS
  - [54] DIVERSITE DE FAISCEAU PAR ANTENNE INTELLIGENTE A ELEMENTS PASSIFS
  - [72] KADICHEVITZ, MICHAEL, DE
  - [72] EZRI, DORON, DE
  - [72] WEITZMAN, AVI, DE
  - [72] ZHOU, XIAO, DE
  - [72] CHEN, YI, DE
  - [72] LUO, XIN, DE
  - [72] SHU, YUPING, DE
  - [71] HUAWEI TECHNOLOGIES CO., LTD., CN
  - [85] 2022-03-18
  - [86] 2019-09-18 (PCT/EP2019/075026)
  - [87] (WO2021/052575)
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[13] A1

- [51] Int.Cl. A61K 31/519 (2006.01) A61P 31/04 (2006.01) A61P 31/06 (2006.01) C07D 471/04 (2006.01)
- [25] EN
- [54] ANTIBACTERIAL COMPOUNDS
- [54] COMPOSES ANTIBACTERIENS
- [72] GUILLEMONT, JEROME EMILE GEORGES, FR
- [72] WEIDNER, STEFFEN FRIEDRICH WALTER, FR
- [72] LANCKACKER, ELLEN ANITA, BE
- [72] LAMMENS, GODELIEVE MARIA J, BE
- [72] LAMPRECHT, DIRK ANTONIE, BE
- [71] JANSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
- [85] 2022-03-18
- [86] 2020-09-29 (PCT/EP2020/077175)
- [87] (WO2021/063915)
- [30] EP (19200377.0) 2019-09-30

**[21] 3,151,714**  
[13] A1

- [51] Int.Cl. B01F 27/2123 (2022.01) B01F 27/2122 (2022.01) B01F 35/75 (2022.01)
  - [25] EN
  - [54] CHEMISTRY VESSEL AGITATOR
  - [54] AGITATEUR DE CUVE CHIMIQUE
  - [72] BISHOP, BENJAMIN ISAIAH, US
  - [72] HAMILTON, CURTIS GRAHAM, US
  - [72] WATSON, RONALD CLIFTON, US
  - [71] BWXT ISOTOPE TECHNOLOGY GROUP, INC., US
  - [85] 2022-03-18
  - [86] 2020-09-25 (PCT/US2020/052816)
  - [87] (WO2021/062222)
  - [30] US (62/906,901) 2019-09-27
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**[21] 3,151,721**  
[13] A1

- [51] Int.Cl. A61N 1/36 (2006.01)
- [25] EN
- [54] SYSTEM, METHOD, AND APPARATUS FOR APPLYING ELECTRICAL STIMULATION
- [54] SYSTEME, PROCEDE, ET APPAREIL D'APPLICATION D'UNE STIMULATION ELECTRIQUE
- [72] CAMPEAN, ALEXANDRU, US
- [72] WEISGARBER, JEFF A., US
- [72] ZHANG, MINGMING, US
- [71] AVATION MEDICAL, INC., US
- [85] 2022-03-18
- [86] 2020-09-18 (PCT/US2020/051441)
- [87] (WO2021/055716)
- [30] US (62/902,994) 2019-09-20

**[21] 3,151,724**  
[13] A1

- [51] Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A01N 1/02 (2006.01) A61P 37/06 (2006.01) C12N 1/04 (2006.01) C07K 14/55 (2006.01) C07K 16/28 (2006.01)
  - [25] EN
  - [54] COMPOSITIONS COMPRISING REGULATORY T CELLS AND METHODS OF MAKING AND USING THE SAME
  - [54] COMPOSITIONS COMPRENANT DES LYMPHOCYTES T REGULATEURS ET PROCEDES DE PREPARATION ET D'UTILISATION DE CELLES-CI
  - [72] PARMAR, SIMRIT, US
  - [71] CELLENKOS, INC., US
  - [85] 2022-03-18
  - [86] 2020-09-25 (PCT/US2020/052815)
  - [87] (WO2021/062221)
  - [30] US (62/906,283) 2019-09-26
  - [30] US (62/990,913) 2020-03-17
  - [30] US (63/038,345) 2020-06-12
  - [30] US (63/064,129) 2020-08-11
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**[21] 3,151,727**  
[13] A1

- [51] Int.Cl. E02F 9/22 (2006.01) E02F 3/43 (2006.01)
- [25] EN
- [54] SYSTEM AND METHODS FOR CYCLE TIME MANAGEMENT
- [54] SYSTEME ET PROCEDES DE GESTION DE TEMPS DE CYCLE
- [72] YOUNG, CHARLES, US
- [72] CARPENTER, MARTY, US
- [72] BECKER, SCOTT, US
- [72] KALLAS, DOUGLAS, US
- [72] KALDOR, MATTHEW, US
- [72] ZABEL, ERIC, US
- [71] CLARK EQUIPMENT COMPANY, US
- [85] 2022-03-18
- [86] 2020-09-24 (PCT/US2020/052430)
- [87] (WO2021/061938)
- [30] US (62/904,860) 2019-09-24

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**[21] 3,151,728**  
[13] A1

[51] Int.Cl. B65D 81/32 (2006.01)  
[25] EN  
[54] HEAD PART FOR A CARTRIDGE AND CARTRIDGE  
[54] PARTIE SUPERIEURE POUR CARTOUCHE ET CARTOUCHE  
[72] AYRLE, THOMAS, DE  
[71] HILTI AKTIENGESELLSCHAFT, LI  
[85] 2022-03-18  
[86] 2020-11-06 (PCT/EP2020/081264)  
[87] (WO2021/099143)  
[30] EP (19210445.3) 2019-11-20

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**[21] 3,151,729**  
[13] A1

[51] Int.Cl. A61K 8/19 (2006.01) A61K 8/81 (2006.01) A61Q 1/10 (2006.01) C09J 133/08 (2006.01)  
[25] EN  
[54] CHARCOAL ADHESIVE COMPOSITION FOR LASHES OR LASH EXTENSIONS  
[54] COMPOSITION ADHESIVE DE CHARBON DE BOIS POUR DES CILS OU DES EXTENSIONS DE CILS  
[72] LOTTI, SAHARA, US  
[71] LASHIFY, INC., US  
[85] 2022-03-18  
[86] 2020-09-29 (PCT/US2020/053321)  
[87] (WO2021/067299)  
[30] US (62/908,143) 2019-09-30  
[30] US (17/034,715) 2020-09-28

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**[21] 3,151,730**  
[13] A1

[51] Int.Cl. C21B 11/02 (2006.01) C21B 13/02 (2006.01)  
[25] EN  
[54] DIRECT REDUCTION PROCESS UTILIZING HYDROGEN  
[54] PROCESSUS DE REDUCTION DIRECTE UTILISANT DE L'HYDROGÈNE  
[72] BASTOW-COX, KEITH MARSHALL, US  
[72] CINTRON, ENRIQUE JOSE, US  
[72] HUGHES, GREGORY DAREL, US  
[71] MIDREX TECHNOLOGIES, INC., US  
[85] 2022-03-18  
[86] 2020-09-24 (PCT/US2020/052373)  
[87] (WO2021/061896)  
[30] US (62/906,954) 2019-09-27  
[30] US (17/029,778) 2020-09-23

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[13] A1

[51] Int.Cl. B08B 9/027 (2006.01) B08B 9/04 (2006.01) E03B 9/02 (2006.01) F16L 55/128 (2006.01) F16L 55/46 (2006.01) F17D 3/08 (2006.01) F28G 1/12 (2006.01)  
[25] EN  
[54] WATER MAIN FLUSHING WITH HIGH PRESSURE JETTING AND DIRECTIONAL CONTROL  
[54] RINCAGE PRINCIPAL A JET D'EAU HAUTE PRESSION ET COMMANDE DIRECTIONNELLE  
[72] WILKINSON, CHRIS ERIC, US  
[71] NO-DES, INC., US  
[85] 2022-03-18  
[86] 2020-07-10 (PCT/US2020/041539)  
[87] (WO2021/055082)  
[30] US (16/575,537) 2019-09-19  
[30] US (16/745,859) 2020-01-17  
[30] US (16/818,143) 2020-03-13

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[13] A1

[51] Int.Cl. B08B 7/00 (2006.01) B08B 17/02 (2006.01)  
[25] EN  
[54] ANTI-BIOFOULING OF SUBMERGED LIGHTING FIXTURES  
[54] ANTI-ENCrasseMENT BIOLOGIQUE D'APPAREILS D'ECLAIRAGE IMMERGES  
[72] DEUTSCH, DANIEL, US  
[72] USHER, SCOTT D., US  
[71] DEUTSCH, DANIEL, US  
[85] 2022-03-18  
[86] 2019-09-26 (PCT/US2019/053201)  
[87] (WO2021/061129)

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**[21] 3,151,737**  
[13] A1

[51] Int.Cl. G01N 33/50 (2006.01) A61K 35/28 (2015.01) A61P 17/02 (2006.01)  
[25] EN  
[54] A METHOD OF ASSESSING WOUND HEALING POTENCY OF A MESENCHYMAL STEM POPULATION AND RELATED METHODS OF SELECTING MESENCHYMAL STEM CELLS AND IDENTIFYING TISSUE AS STARTING MATERIAL FOR PRODUCING A MESENCHYMAL STEM CELL POPULATION  
[54] METHODE D'EVALUATION DE LA PUISSANCE DE CICATRISATION D'UNE POPULATION DE CELLULES SOUCHES MESENCHYMATEUSES ET METHODES ASSOCIEES DE SELECTION DE CELLULES SOUCHES MESENCHYMATEUSES ET D'IDENTIFICATION DE TISSU EN TANT QUE MATIERE DE DEPART D'UNE PRODUCTION D'UNE POPULATION DE CELLULES SOUCHES MESENCHYMATEUSE  
[72] PHAN, TOAN THANG, SG  
[71] CELLRESEARCH CORPORATION PTE LTD, SG  
[85] 2022-03-18  
[86] 2020-10-08 (PCT/SG2020/050571)  
[87] (WO2021/071429)  
[30] US (62/912,374) 2019-10-08

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**[21] 3,151,738**  
[13] A1

[51] Int.Cl. A61K 31/7105 (2006.01) A61K 47/18 (2017.01)  
[25] EN  
[54] IMMUNOMODULATORY IMIDE DRUGS AS ZETA-CHAIN-ASSOCIATED PROTEIN KINASE 70 (ZAP70) AGONISTS AND USES THEREOF  
[54] MEDICAMENTS A BASE D'IMMUNOMODULATEUR DE TYPE IMIDE EN TANT QU'AGONISTES DE LA PROTEINE KINASE 70 ASSOCIEE A LA CHAINE ZETA (ZAP70) ET LEURS UTILISATIONS  
[72] HIDESHIMA, TERU, US  
[72] ANDERSON, KENNETH C., US  
[71] DANA-FARBER CANCER INSTITUTE, INC., US  
[85] 2022-03-18  
[86] 2020-10-01 (PCT/US2020/053719)  
[87] (WO2021/067546)  
[30] US (62/911,104) 2019-10-04  
[30] US (62/986,605) 2020-03-06

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**[21] 3,151,740**  
[13] A1

[51] Int.Cl. C22C 38/04 (2006.01)  
[25] EN  
[54] HIGH STRENGTH WIRE ROD HAVING NON-MAGNETIC PROPERTY AND METHOD FOR MANUFACTURING THEREOF  
[54] FIL MACHINE A HAUTE RESISTANCE AYANT UNE PROPRIETE NON MAGNETIQUE ET SON PROCEDE DE FABRICATION  
[72] LEE, BONG-KEUN, KR  
[72] CHUNG, SUNG-HOON, KR  
[71] POSCO, KR  
[85] 2022-03-18  
[86] 2020-10-06 (PCT/KR2020/013577)  
[87] (WO2021/071204)  
[30] KR (10-2019-0124632) 2019-10-08

**[21] 3,151,741**  
[13] A1

[51] Int.Cl. A61F 2/00 (2006.01) A61F 5/453 (2006.01) A61F 5/455 (2006.01)  
[25] EN  
[54] URINARY PLUG DEVICE  
[54] DISPOSITIF DE BOUCHON URINAIRE  
[72] HESSE, DAVID, US  
[71] HESSE, DAVID, US  
[85] 2022-03-18  
[86] 2020-09-18 (PCT/US2020/051545)  
[87] (WO2021/055786)  
[30] US (62/902,165) 2019-09-18  
[30] US (16/836,185) 2020-03-31

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**[21] 3,151,744**  
[13] A1

[51] Int.Cl. C11D 3/00 (2006.01) C11D 3/386 (2006.01) C11D 3/42 (2006.01)  
[25] EN  
[54] A METHOD OF LAUNDERING FABRIC  
[54] PROCEDE DE LESSIVAGE DE TEXTILE  
[72] CHIEFFI, ANDRE, GB  
[72] BROOKER, ANJU DEEPALI MASSEY, GB  
[72] AMADOR ZAMARRENO, CARLOS, GB  
[72] BUENO ROMO, LAURA, GB  
[72] MOON, ANDREW PHILIP, GB  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2022-03-18  
[86] 2020-10-07 (PCT/US2020/070625)  
[87] (WO2021/072428)  
[30] EP (19202072.5) 2019-10-08  
[30] EP (19204688.6) 2019-10-22

**[21] 3,151,747**  
[13] A1

[51] Int.Cl. A23L 33/00 (2016.01) A23L 33/10 (2016.01) A23L 33/125 (2016.01) A23L 33/21 (2016.01) A61K 35/74 (2015.01) A61P 35/00 (2006.01)  
[25] EN  
[54] COMPOSITIONS AND METHODS FOR INCREASING THE EFFICACY OF IMMUNOTHERAPIES AND VACCINES  
[54] COMPOSITIONS ET METHODES POUR ACCROITRE L'EFFICACITE D'IMMUNOTHERAPIES ET DE VACCINS  
[72] MOON, JAMES J., US  
[72] HAN, KAI, US  
[72] XU, JIN, US  
[72] HUANG, XUEHUI, US  
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US  
[85] 2022-03-18  
[86] 2020-09-23 (PCT/US2020/052241)  
[87] (WO2021/061789)  
[30] US (62/904,395) 2019-09-23

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[13] A1

[51] Int.Cl. A61K 31/55 (2006.01) A61P 25/28 (2006.01) C07D 401/06 (2006.01) C07D 413/06 (2006.01)  
[25] EN  
[54] BICYCLIC COMPOUND AND USE THEREOF  
[54] COMPOSE BICYCLIQUE ET SON UTILISATION  
[72] SHIN, YONG JE, KR  
[72] KIM, JIN HEE, KR  
[72] LEE, JUN, KR  
[72] PARK, SOOK KYUNG, KR  
[72] LEE, HO YEON, KR  
[72] CHOI, HYUN SUK, KR  
[72] KIM, SE HYUK, KR  
[72] KANG, EUN JI, KR  
[72] LEE, HO YOUL, KR  
[72] JUNG, SOO YEON, KR  
[71] SK BIOPHARMACEUTICALS CO., LTD., KR  
[85] 2022-03-18  
[86] 2020-09-29 (PCT/KR2020/013424)  
[87] (WO2021/066578)  
[30] KR (10-2019-0122177) 2019-10-02

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| <p>[21] <b>3,151,754</b><br/>[13] A1</p> <p>[51] Int.Cl. C10L 1/02 (2006.01) C10L 1/18 (2006.01) C10L 1/182 (2006.01)</p> <p>[25] EN</p> <p>[54] GASOLINE COMPOSITION WITH OCTANE SYNERGY</p> <p>[54] COMPOSITION D'ESSENCE A SYNERGIE D'OCTANE</p> <p>[72] KIISKI, ULLA, FI</p> <p>[72] KARVO, ANNA, FI</p> <p>[72] KOLEHMAINEN, TERHI, FI</p> <p>[71] NESTE OYJ, FI</p> <p>[85] 2022-03-18</p> <p>[86] 2020-11-13 (PCT/EP2020/082046)</p> <p>[87] (WO2021/099220)</p> <p>[30] FI (20196000) 2019-11-21</p> |
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| <p>[21] <b>3,151,757</b><br/>[13] A1</p> <p>[51] Int.Cl. G01N 33/569 (2006.01)</p> <p>[25] EN</p> <p>[54] MICROBIAL COMPOSITIONS FOR IMPROVING THE EFFICACY OF ANTICANCER TREATMENTS BASED ON IMMUNE CHECKPOINT INHIBITORS AND/OR TYROSINE KINASE INHIBITORS AND MARKERS OF RESPONSIVENESS TO SUCH TREATMENT</p> |
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| <p>[54] COMPOSITIONS MICROBIENNES PERMETTANT D'AMELIORER L'EFFICACITE DE TRAITEMENTS ANTICANCEREUX SUR LA BASE D'INHIBITEURS DE POINTS DE CONTROLE IMMUNITAIRES ET/OU D'INHIBITEURS DE TYROSINE KINASE ET MARQUEURS DE REACTIVITE A DE TELS TRAITEMENT</p> <p>[72] ZITVOGEL, LAURENCE, FR</p> <p>[71] INSTITUT GUSTAVE ROUSSY, FR</p> <p>[85] 2022-03-18</p> <p>[86] 2020-09-29 (PCT/EP2020/077234)</p> <p>[87] (WO2021/063948)</p> <p>[30] EP (19306246.0) 2019-09-30</p> |
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| <p>[72] SPIELES, SANDRA, DE</p> <p>[71] JT INTERNATIONAL SA, CH</p> <p>[85] 2022-03-18</p> <p>[86] 2020-11-11 (PCT/EP2020/081753)</p> <p>[87] (WO2021/094366)</p> <p>[30] EP (19209350.8) 2019-11-15</p> |
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| <p>[72] ROMESBERG, FLOYD E., US</p> <p>[72] ZHOU, ANNE XIAOZHOU, US</p> <p>[72] SHENG, KAI, US</p> <p>[71] THE SCRIPPS RESEARCH INSTITUTE, US</p> <p>[85] 2022-03-18</p> <p>[86] 2020-09-29 (PCT/US2020/053339)</p> <p>[87] (WO2021/067313)</p> <p>[30] US (62/908,421) 2019-09-30</p> |
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[13] A1

[51] Int.Cl. G06Q 20/32 (2012.01)  
[25] EN  
[54] SYSTEMS AND METHODS FOR UNIFORM, CROSS-PLATFORM TRANSACTIONS  
[54] SYSTEMES ET PROCEDES DE TRANSACTIONS UNIFORMES INTER-PLATEFORMES  
[72] ABINAVAM, SRINATH S., US  
[72] CHOWBAY, KULDEEP, US  
[72] LANDRY, CURTIS, US  
[72] PAGE, LYLE, US  
[72] COOK, KEVIN, US  
[71] OPENEDGE PAYMENTS LLC, US  
[85] 2022-03-18  
[86] 2020-09-25 (PCT/US2020/052739)  
[87] (WO2021/062165)  
[30] US (62/907,536) 2019-09-27

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[51] Int.Cl. C09K 5/10 (2006.01)  
[25] EN  
[54] HEAT TRANSFER MIXTURE  
[54] MELANGE CALOPORTEUR  
[72] MICALI, FRANCESCO, IT  
[72] DE RISI, ARTURO, IT  
[72] MILANESE, MARCO, IT  
[71] HT MATERIALS SCIENCE (IP) LIMITED, IE  
[85] 2022-03-18  
[86] 2020-09-10 (PCT/US2020/050065)  
[87] (WO2021/055213)  
[30] US (16/577,292) 2019-09-20

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[13] A1

[51] Int.Cl. A61K 31/395 (2006.01) A61K 31/282 (2006.01) A61K 45/06 (2006.01)  
[25] EN  
[54] DOSING REGIMENS FOR TREATMENT OF PATIENTS WITH LOCALLY ADVANCED SQUAMOUS CELL CARCINOMA  
[54] SCHEMAS POSOLOGIQUES POUR LE TRAITEMENT DE PATIENTS PRESENTANT UN CARCINOME LOCALEMENT AVANCE DES CELLULES SQUAMEUSES  
[72] BRIENZA, SILVANO, FR  
[72] ZANNA, CLAUDIO, CH  
[72] SZYLDERGEMAJN ALTMAN, SERGIO ADRIAN, CH  
[72] BOURHIS, JEAN, CH  
[71] DEBIOPHARM INTERNATIONAL S.A., CH  
[85] 2022-03-18  
[86] 2020-09-25 (PCT/EP2020/076994)  
[87] (WO2021/058794)  
[30] US (62/905,703) 2019-09-25  
[30] US (63/016,762) 2020-04-28  
[30] EP (20184601.1) 2020-07-07

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[51] Int.Cl. C01B 15/027 (2006.01) B01J 35/02 (2006.01) C08G 61/02 (2006.01)  
[25] EN  
[54] HYDROGEN PEROXIDE PRODUCTION METHOD  
[54] PROCEDE DE PRODUCTION DE PEROXYDE D'HYDROGENE  
[72] NISHIDE, HIROYUKI, JP  
[72] OKA, KOUKI, JP  
[72] WINTHON-JENSEN, BJORN, JP  
[71] INTERNATIONAL FRONTIER TECHNOLOGY LABORATORY, INC., JP  
[85] 2022-03-18  
[86] 2020-07-22 (PCT/JP2020/028394)  
[87] (WO2021/059716)  
[30] JP (2019-175028) 2019-09-26

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[13] A1

[51] Int.Cl. C07K 16/12 (2006.01) A61P 31/04 (2006.01)  
[25] EN  
[54] ANTI-ALPHA-HEMOLYSIN ANTIBODY AND USE THEREOF  
[54] ANTICORPS ANTI-ALPHA-HEMOLYSINE ET SON UTILISATION  
[72] AN, MAOMAO, CN  
[72] WANG, LICHUN, CN  
[72] GAO, PAN, CN  
[72] LIN, JIAN, CN  
[72] JIANG, YUANYING, CN  
[72] SHEN, HUI, CN  
[72] CHEN, SIMIN, CN  
[72] GUO, SHIYU, CN  
[72] FANG, WEI, CN  
[71] MABWELL (SHANGHAI) BIOSCIENCE CO., LTD., CN  
[85] 2022-03-18  
[86] 2020-09-18 (PCT/CN2020/116184)  
[87] (WO2021/052461)  
[30] CN (201910889697.5) 2019-09-20

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[13] A1

[51] Int.Cl. G01R 33/44 (2006.01) G01N 24/08 (2006.01)  
[25] EN  
[54] METHOD FOR CONDUCTING SOLID STATE NMR ON MACROMOLECULE-CONTAINING SOLID STATE FORMULATIONS  
[54] PROCEDE DE REALISATION DE RMN A L'ETAT SOLIDE SUR DES FORMULATIONS A L'ETAT SOLIDE CONTENANT UNE MACROMOLECULE  
[72] CAPORINI, MARC A., US  
[72] KELLY, RON C., US  
[72] DE MAILLE, MARIANA, US  
[71] AMGEN INC., US  
[85] 2022-03-18  
[86] 2020-10-02 (PCT/US2020/054018)  
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[30] US (62/909,918) 2019-10-03

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[51] Int.Cl. G21C 3/33 (2006.01) G21C 1/08 (2006.01) G21C 3/322 (2006.01) G21C 3/334 (2006.01) G21C 5/10 (2006.01)  
[25] EN  
[54] NUCLEAR REACTOR PLENUM PLATE STANDOFF SPOOLS  
[54] BOBINES ANNULAIRES DE PLAQUE DE PLENUM DE REACTEUR NUCLEAIRE  
[72] INMAN, JAMES BRIAN, US  
[72] DELESSIO, STEVEN M., US  
[72] WHITTEN, ANDREW C., US  
[72] HAMILTON, CURTIS G., US  
[71] CIPO, CA  
[71] BWXT NUCLEAR ENERGY, INC., US  
[85] 2022-03-18  
[86] 2020-09-18 (PCT/US2020/051578)  
[87] (WO2021/055806)  
[30] US (62/903,280) 2019-09-20

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[13] A1

[51] Int.Cl. C07D 491/04 (2006.01) A61K 31/4184 (2006.01)  
[25] EN  
[54] HETEROCYCLIC AMIDE COMPOUND, PHARMACEUTICALLY ACCEPTABLE SALT THEREOF, AND PREPARATION METHOD THEREFOR AND USE THEREOF  
[54] COMPOSE AMIDE HETEROCYCLIQUE, SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CELUI-CI, ET SON PROCEDE DE PREPARATION ET SON UTILISATION  
[72] DUAN, WENHUA, CN  
[72] GENG, MEIYU, CN  
[72] ZHANG, HUIBIN, CN  
[72] XIE, ZUOQUAN, CN  
[72] ZHOU, JINPEI, CN  
[72] YANG, YIFEI, CN  
[72] WANG, XIYUAN, CN  
[72] YANG, XIAOJUN, CN  
[72] ZHANG, YAN, CN  
[72] HU, ZHAOXUE, CN  
[72] DING, JIAN, CN  
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN  
[71] CHINA PHARMACEUTICAL UNIVERSITY, CN  
[85] 2022-03-18  
[86] 2020-09-21 (PCT/CN2020/116614)  
[87] (WO2021/052501)  
[30] CN (201910891002.7) 2019-09-19

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[13] A1

[51] Int.Cl. G16H 40/40 (2018.01) G16H 20/17 (2018.01) G16H 40/60 (2018.01) G16H 40/67 (2018.01)  
[25] EN  
[54] BLOOD GLUCOSE CONTROL SYSTEM  
[54] SYSTEME DE REGULATION DE LA GLYCEMIE  
[72] EL-KHATIB, FIRAS H., US  
[72] BROWN, JUSTIN P., US  
[72] LIM, DAVID CHI-WAI, US  
[72] PATEL, HIMANSHU, US  
[72] DAMIANO, EDWARD R., US  
[72] ROSINKO, MICHAEL J., US  
[72] KNODEL, BRYAN DALE, US  
[72] COSTIK, JOHN R., US  
[71] BETA BIONICS, INC., US  
[85] 2022-03-18  
[86] 2020-10-02 (PCT/US2020/054025)  
[87] (WO2021/067767)  
[30] US (62/910,970) 2019-10-04  
[30] US (62/911,017) 2019-10-04  
[30] US (62/911,143) 2019-10-04  
[30] US (62/987,842) 2020-03-10  
[30] US (63/037,472) 2020-06-10  
[30] US (PCT/US2020/042195) 2020-07-15  
[30] US (PCT/US2020/042198) 2020-07-15  
[30] US (PCT/US2020/042269) 2020-07-16

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[13] A1

[51] Int.Cl. B65D 85/804 (2006.01)  
[25] EN  
[54] CAPSULE FOR PREPARING A BEVERAGE BY INJECTION  
[54] CAPSULE POUR PREPARER UNE BOISSON PAR INJECTION  
[72] PARISE, CARLO ALBERTO, IT  
[71] PKA SOLUTIONS S.R.L., IT  
[85] 2022-03-18  
[86] 2020-09-30 (PCT/EP2020/077417)  
[87] (WO2021/064051)  
[30] IT (102019000017822) 2019-10-03

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- [25] EN
- [54] **HOCKEY PUCK**
- [54] **PALET DE HOCKEY**
- [72] IBRAGIMOV, ALEXANDER, NO
- [72] SARICEVS, ROMANS, NO
- [72] GRINDHEIM, ERIK, NO
- [71] AIRSEG AS, NO
- [85] 2022-03-18
- [86] 2020-09-17 (PCT/EP2020/075938)
- [87] (WO2021/058359)
- [30] NO (20191153) 2019-09-25

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[13] A1

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- [25] EN
- [54] **IMMUNOCYTOKINE COMPRISING HETERODIMERIC PROTEIN COMPLEX BASED ON IL-15/IL-15RA**
- [54] **IMMUNOCYTOKINE COMPRENANT UN COMPLEXE PROTEIQUE HETERO-DIMERE A BASE DE IL-15 ET IL-15RA**
- [72] ULITIN, ANDREI BORISOVICH, RU
- [72] KONONOV, ALEKSEY VLADIMIROVICH, RU
- [72] AGEEV, SERGEI ANDREEVICH, RU
- [72] GORDEEV, ALEKSANDR ANDREEVICH, RU
- [72] VINOGRADOVA, ELENA VLADIMIROVNA, RU
- [72] EVDOKIMOV, STANISLAV RUDOLFOVICH, RU
- [72] SHMAKOVA, ALEKSANDRA PAVLOVNA, RU
- [72] MITROSHIN, IVAN VLADIMIROVICH, RU
- [72] MOROZOV, DMITRY VALENTINOVICH, RU
- [71] JOINT STOCK COMPANY "BIOCAD", RU
- [85] 2022-03-18
- [86] 2020-09-20 (PCT/RU2020/050233)
- [87] (WO2021/054867)
- [30] RU (2019129569) 2019-09-19

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[13] A1

- [51] Int.Cl. C07K 14/705 (2006.01) A61K 35/17 (2015.01) C07K 16/28 (2006.01)
- [25] EN
- [54] **ENHANCED CHIMERIC ANTIGEN RECEPTOR FOR IMMUNE EFFECTOR CELL ENGINEERING AND USE THEREOF**
- [54] **RECEPTEUR ANTIGENIQUE CHIMERIQUE AMELIORE POUR INGENIERIE CELLULAIRE EFFECTRICE IMMUNITAIRE ET SON UTILISATION**
- [72] VALAMEHR, BAHRAM, US
- [72] BJORDHL, RYAN, US
- [72] LEE, TOM TONG, GB
- [72] GOODRIDGE, JODE, US
- [71] FATE THERAPEUTICS, INC., US
- [85] 2022-03-18
- [86] 2020-10-07 (PCT/US2020/054601)
- [87] (WO2021/071962)
- [30] US (62/912,000) 2019-10-07
- [30] US (62/916,468) 2019-10-17

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[13] A1

- [51] Int.Cl. G16H 20/17 (2018.01) G16H 40/60 (2018.01) A61M 5/172 (2006.01)
- [25] EN
- [54] **BLOOD GLUCOSE CONTROL SYSTEM**
- [54] **SISTÈME DE RÉGULATION DE LA GLYCEMIE**
- [72] EL-KHATIB, FIRAS H., US
- [72] DAMIANO, EDWARD R., US
- [72] RASKIN, EDWARD B., US
- [72] LIM, DAVID CHI-WAI, US
- [72] ROSINKO, MICHAEL J., US
- [71] BETA BIONICS, INC., US
- [85] 2022-03-18
- [86] 2020-10-02 (PCT/US2020/054130)
- [87] (WO2021/067856)
- [30] US (62/910,970) 2019-10-04
- [30] US (62/911,017) 2019-10-04
- [30] US (62/911,143) 2019-10-04
- [30] US (62/987,842) 2020-03-10
- [30] US (63/037,472) 2020-06-10
- [30] US (PCT/US2020/042195) 2020-07-15
- [30] US (PCT/US2020/042198) 2020-07-15
- [30] US (PCT/US2020/042269) 2020-07-16

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[13] A1

- [51] Int.Cl. E02B 7/16 (2006.01)
- [25] FR
- [54] **FUSEGATE WITH ICE-BREAKING SYSTEM**
- [54] **HAUSSE FUSIBLE AVEC SYSTÈME BRISE-GLACE**
- [72] DEL REY, FRANCK, FR
- [72] PERARD, CAMILLE, FR
- [72] TESSERAU, PIERRICK, FR
- [71] HYDROPLUS, FR
- [85] 2022-03-18
- [86] 2020-09-11 (PCT/FR2020/051567)
- [87] (WO2021/064302)
- [30] FR (1910874) 2019-10-01

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[13] A1

- [51] Int.Cl. B65B 17/02 (2006.01)
- [25] EN
- [54] **EDIBLE CAN HOLDER WITH FLAPS**
- [54] **PORTE-CANNETTES COMESTIBLE POURVU D'AILLETTES**
- [72] GARCIA CENDEJAS, JUAN FRANCISCO, MX
- [71] E6PR S.A.P.I. DE C.V., MX
- [85] 2022-03-18
- [86] 2020-09-08 (PCT/MX2020/050032)
- [87] (WO2021/054814)
- [30] MX (MX/U/2019/000467) 2019-09-20

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| [25] EN  |
| [54] RAIL VEHICLE WITH HUMAN AND/OR ELECTRIC POWER   |
| [54] VEHICULE FERROVIAIRE A ENERGIE HUMAINE ET/OU ELECTRIQUE   |
| [72] HART, MICHAEL GLEN, US  |
| [72] ADAMSKI, JAMES, US  |
| [72] ALLEN, TYLER KISE, US   |
| [72] BEARD, KENNAN HAMBLETON, US   |
| [72] GOODWIN, STEVEN ANTHONY, US   |
| [72] HART, VICKI HWANG, US   |
| [72] NATARENO, CHRISTIAN GIOVANNI, US  |
| [72] NATARENO, OSCAR-ANTHONY, US   |
| [72] PINOLI, ROBERT JASON, US  |
| [71] MENDOCINO RAILWAY, US   |
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| [54] PROCEDE DE LAVAGE DE TISSU       |
| [72] BUENO ROMO, LAURA, GB            |
| [72] AMADOR ZAMARRENO, CARLOS, GB     |
| [72] BROOKER, ANJU DEEPALI MASSEY, GB |
| [72] MOON, LIBBI, GB                  |
| [72] SOUTER, PHILIP FRANK, GB         |
| [72] ROBLES, ERIC SAN JOSE, GB        |
| [71] THE PROCTER & GAMBLE COMPANY, US |
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| [54] APPAREIL DE SOINS POUR NOURRISSONS      |
| [72] JUCHNIEWICZ, RICHARD, US                |
| [71] THORLEY INDUSTRIES, LLC (DBA 4MOMS), US |
| [85] 2022-03-18                              |
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| [54] GRANULES D'ENGRAIS TOLERANTS A L'HUMIDITE, COMPOSITIONS ET PROCEDES DE FABRICATION |
| [72] XING, BAOZHONG, US   |
| [72] HARRISON, JOHN, US   |
| [71] AGRIM INC, CA  |
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| [86] 2020-09-25 (PCT/US2020/052689)   |
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| [54] PD-1 TARGETED IL-15/IL-15RALPHA FC FUSION PROTEINS WITH IMPROVED PROPERTIES                   |
| [54] PROTEINES HYBRIDES FC IL-15/IL-15RALPHA CIBLANT PD-1 PRESENTANT DES PROPRIETES AMELIOREES     |
| [72] DESJARLAIS, JOHN, US  |
| [72] BERNETT, MATTHEW, US  |
| [72] HEDVAT, MICHAEL, US   |
| [72] VARMA, RAJAT, US  |
| [72] SCHUBBERT, SUZANNE, US  |
| [72] BONZON, CHRISTINE, US   |
| [72] RASHID, RUMANA, US  |
| [72] DIAZ, JUAN, US  |
| [72] HOLDER, PATRICK, US   |
| [72] HUANG, CHRISTINE, US  |
| [71] GENENTECH, INC., US   |
| [71] XENCOR, INC., US  |
| [85] 2022-03-18  |
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- [54] **SUPPORT DE RASOIR A LAME**
- [72] KIM, DONG WOOK, KR
- [71] WISELY CO., LTD., KR
- [85] 2022-03-18
- [86] 2020-10-15 (PCT/KR2020/014071)
- [87] (WO2021/075868)
- [30] KR (20-2019-0004219) 2019-10-18

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- [25] EN
- [54] **BEE VACCINES AND METHODS OF USE**
- [54] **VACCINS POUR ABEILLES ET PROCEDES D'UTILISATION**
- [72] FREITAK, DALIAL, US
- [72] KLEISER, ANNETTE, US
- [71] DALAN ANIMAL HEALTH, INC., US
- [85] 2022-03-18
- [86] 2020-09-17 (PCT/US2020/051301)
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- [25] EN
- [54] **SECURE DIGITAL INFORMATION INFRASTRUCTURE**
- [54] **INFRASTRUCTURE D'INFORMATIONS NUMERIQUES SECURISEE**
- [72] DELGADO, NORMAN CRAIG, US
- [71] OASIS MEDICAL, INC., US
- [85] 2022-03-18
- [86] 2020-10-01 (PCT/US2020/053850)
- [87] (WO2021/071744)
- [30] US (16/598,607) 2019-10-10
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- [25] EN
- [54] **IRRIGATION BAG AND BAG ASSEMBLY FOR IRRIGATION OF PRIMARILY FULLY-GROWN, MATURE AND VETERAN TREES AND METHOD OF TREE IRRIGATION**
- [54] **SAC D'IRRIGATION ET ENSEMBLE DE SACS POUR IRRIGATION D'ARBRES ADULTES, MURS ET REMARQUABLES, PRINCIPALEMENT, ET PROCEDE D'IRRIGATION D'ARBRES**
- [72] TUSER, MARTIN, CZ
- [72] TUSEROVA, ZANETA, CZ
- [71] TUSER, MARTIN, CZ
- [71] TUSEROVA, ZANETA, CZ
- [85] 2022-03-19
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- [25] EN
- [54] **BIOPOLYMERS FOR ENHANCED HYDROCARBON RECOVERY**
- [54] **BIOPOLYMERES POUR UNE RECUPERATION ASSISTEE D'HYDROCARBURES**
- [72] KAISER, ANTON, DE
- [72] ZAVREL, MICHAEL, DE
- [72] CURREN, MORGAN, US
- [72] DIETZ, HEIKO, DE
- [72] KOHL, ANDREAS, DE
- [72] DE OLIVEIRA FILHO, ANTONIO PEDRO, US
- [72] VERHUELSDONK, MARCUS, DE
- [72] WYLDE, JONATHAN, US
- [71] CLARIANT INTERNATIONAL LTD, CH
- [85] 2022-03-21
- [86] 2020-10-01 (PCT/EP2020/077577)
- [87] (WO2021/064131)
- [30] US (62/910,334) 2019-10-03

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- [25] EN
- [54] **BIO-BASED POLYSACCHARIDE FOIL**
- [54] **FEUILLE POLYSACCHARIDIQUE A BASE BIOLOGIQUE**
- [72] LOEW, SEBASTIAN, DE
- [72] LIST, FELIX, DE
- [72] JIRAN, SARAH, DE
- [71] CLARIANT PRODUKTE (DEUTSCHLAND) GMBH, DE
- [85] 2022-03-21
- [86] 2020-09-09 (PCT/EP2020/075132)
- [87] (WO2021/063640)
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- [51] Int.Cl. A01N 63/30 (2020.01)
- [25] EN
- [54] **FUNCTIONAL MICROBIOLOGICAL COATING**
- [54] **REVETEMENT MICROBIOLOGIQUE FONCTIONNEL**
- [72] SAILER, MICHAEL FRITZ, NL
- [72] VAN ROOIJEN, FRANCISCUS ANTONIUS, NL
- [72] RENSINK, STEPHANIE, NL
- [71] BIOFINISH INTERNATIONAL B.V., NL
- [85] 2022-03-21
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  - [54] DISPOSITIF ORTHOPEDIQUE POUR SOUTENIR LE BAS DU DOS D'UN UTILISATEUR
  - [72] MIZERA, OLIVER, DE
  - [72] VOGEL, CARSTEN, DE
  - [72] TUTTEMANN, MARKUS, DE
  - [72] PAPP, EMESE, DE
  - [71] OTTOBOCK SE & CO. KGAA, DE
  - [85] 2022-03-21
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- [25] EN
- [54] COMPRESSOR DEVICE AND DEVICE EQUIPPED WITH A BEARING DAMPER
- [54] DISPOSITIF DE COMPRESSEUR ET DISPOSITIF EQUIPE D'UN AMORTISSEUR DE PALIER
- [72] VERRELST, BJORN, BE
- [72] VERCAUTEREN, NILS, BE
- [72] PITTOIS, STIJN, BE
- [72] VAN DE WALLE, AXEL, BE
- [71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
- [85] 2022-03-21
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- [87] (WO2021/124086)
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- [25] EN
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- [54] PROCEDE ET APPAREIL POUR PERMETTRE UN DELESTAGE DE TRAFIC DE RESEAU PAR L'INTERMEDIAIRE D'UN DISPOSITIF CELLULAIRE CONNECTE
- [72] MADHAV, PRAVEEN, US
- [72] UBEROY, PAWAN, US
- [71] VIASAT, INC., US
- [85] 2022-03-21
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- [25] EN
- [54] DEPLOYABLE ASSEMBLY FOR ANTENNAS
- [54] ENSEMBLE DEPLIABLE POUR ANTENNES
- [72] PLAZA MORA, JOSE LUIS, ES
- [72] CESPEDOSA CASTAN, FERNANDO JOSE, ES
- [71] CIPO, CA
- [71] AIRBUS DEFENCE AND SPACE, S.A., ES
- [85] 2022-03-21
- [86] 2019-09-24 (PCT/ES2019/070635)
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  - [25] FR
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  - [54] MICRO-RESEAU RESILIENT D'APPAREILS DE CHAUFFAGE DE TYPE RADIATEUR ELECTRIQUE
  - [72] CHATILLON, YOHANN, FR
  - [71] LANCEY ENERGY STORAGE, FR
  - [85] 2022-03-21
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  - [25] EN
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  - [54] SYNTHESE DE 3-NITRO-N-(2,2,2-TRIFLUOROETHYL)-4-PYRIDINAMINE
  - [72] TAN, HONGYU, CN
  - [72] HAN, LICHENG, CN
  - [71] JANSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
  - [85] 2022-03-21
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- [25] EN
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- [54] HUMIDIFICATEUR DE PILE A COMBUSTIBLE
- [72] AHN, WOONG JEON, KR
- [72] OH, YOUNG SEOK, KR
- [72] KIM, IN HO, KR
- [71] KOLON INDUSTRIES, INC., KR
- [85] 2022-03-21
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- [25] EN
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- [54] SYSTEMES ET PROCEDES D'ANALYSE DE RISQUE DE COUPLAGE CROISE ET DE CODE SECRET A USAGE UNIQUE
- [72] DUANE, WILLIAM, US
- [72] OSBORN, KEVIN, US
- [71] CAPITAL ONE SERVICES, LLC, US
- [85] 2022-03-21
- [86] 2020-10-28 (PCT/US2020/057668)
- [87] (WO2021/091739)
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- [25] EN
- [54] SMALL FORM-FACTOR BATTERY WITH HIGH POWER DENSITY
- [54] BATTERIE A FAIBLE FACTEUR DE FORME A HAUTE DENSITE DE PUISSANCE
- [72] IMRAN, MIR A., US
- [72] WAHAB, RADIA ABDUL, US
- [72] ONG, CHANG JIN, US
- [71] INCUBE LABS, LLC, US
- [85] 2022-03-21
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- [54] METHOD FOR THE OBTAINING OF COST EFFECTIVE GEOMETRICALLY COMPLEX PIECES

- [54] PROCEDE D'OBTENTION DE PIECES GEOMETRIQUEMENT COMPLEXES, ECONOMIQUES
- [72] VALLS ANGLES, ISAAC, ES
- [71] VALLS BESITZ GMBH, DE
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- [30] ES (P 201830920) 2018-09-24
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- [25] EN
- [54] COMBINATION OF ZIDOVUDINE WITH A TETRACYCLINE ANTIBIOTIC
- [54] COMBINAISON DE ZIDOVUDINE ET D'UN ANTIBIOTIQUE TETRACYCLINE
- [72] COATES, PROFESSOR ANTHONY, GB
- [72] HU, YANMIN, GB
- [71] HELPERBY THERAPEUTICS LIMITED, GB
- [85] 2022-03-21
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- [25] EN
- [54] PD-L1 TARGETED CHIMERIC PROTEINS AND USES THEREOF
- [54] PROTEINES CHIMERIQUES CIBLEES PD-L1 ET LEURS UTILISATIONS
- [72] KLEY, NIKOLAI, US
- [72] DEPLA, ERIK, BE
- [71] ORIONIS BIOSCIENCES, INC., US
- [85] 2022-03-21
- [86] 2020-09-25 (PCT/US2020/052764)
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- [25] EN
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- [54] SYSTEME ET PROCEDE PERMETTANT DE GENERER UN ROUTAGE EN TEMPS REEL POUR UN TRANSPORT A LA DEMANDE
- [72] HUNT, JUSTIN, CA
- [72] HUDSON, BENJAMIN, CA
- [72] PELLETIER, SAMUEL, CA
- [71] BLAISE TRANSIT LTD., CA
- [85] 2022-03-21
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- [25] EN
- [54] METHOD FOR FORMING MULTILAYER COATING FILM
- [54] PROCEDE DE FORMATION DE FILM DE REVETEMENT MULTICOUCHE
- [72] SAKAI, KENJI, JP
- [71] KANSAI PAINT CO., LTD., JP
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- [54] COLLAPSIBLE CATHETER
- [54] CATHETER PLIABLE
- [72] FANTUZZI, GLEN R., US
- [71] ABIOMED, INC., US
- [85] 2022-03-21
- [86] 2020-09-28 (PCT/US2020/053029)
- [87] (WO2021/067169)
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- [25] EN
- [54] HYPERBRANCHED CATIONIC POLYMERS USEFUL AS NUCLEIC ACID DELIVERY VECTORS FOR TRANSFECTING CELLS
- [54] POLYMERES CATIONIQUES HYPERRAMIFIES UTILES EN TANT QUE VECTEURS D'ADMINISTRATION D'ACIDES NUCLEIQUES POUR LA TRANSFECTION DE CELLULES
- [72] WANG, WENXIN, IE
- [72] A, SIGEN, IE
- [72] LARA-SAEZ, IRENE, ES
- [72] XU, QIAN, IE
- [72] O'KEEFFE AHERN, JONATHAN, IE
- [72] ZHOU, DEZHONG, IE
- [71] UNIVERSITY COLLEGE DUBLIN, IE
- [85] 2022-03-21
- [86] 2020-09-22 (PCT/EP2020/076448)
- [87] (WO2021/058491)
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- [25] EN
- [54] NANOPARTICLE COMPOSITIONS FOR GENE THERAPY
- [54] COMPOSITIONS DE NANOParticules POUR LA THERAPIE GENIQUE
- [72] WANG, WENXIN, IE
- [72] A, SIGEN, IE
- [72] LARA-SAEZ, IRENE, ES
- [72] XU, QIAN, IE
- [72] O'KEEFFE AHERN, JONATHAN, IE
- [71] UNIVERSITY COLLEGE DUBLIN, IE
- [85] 2022-03-21
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- [87] (WO2021/058492)
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- [25] EN
- [54] APPARATUS TO LOCATE AND ISOLATE A PUMP INTAKE IN AN OIL AND GAS WELL UTILIZING A CASING GAS SEPARATOR
- [54] APPAREIL POUR LOCALISER ET ISOLER UNE ADMISSION DE POMPE DANS UN PUITS DE PETROLE ET DE GAZ A L'AIDE D'UN SEPARATEUR DE GAZ DE TUBAGE
- [72] ELLITHORP, BRIAN, US
- [71] BLACKJACK PRODUCTION TOOLS, LLC, US
- [71] ELLITHORP, BRIAN, US
- [85] 2022-03-21
- [86] 2020-12-21 (PCT/US2020/066382)
- [87] (WO2021/127631)
- [30] US (62/951,781) 2019-12-20

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- [25] EN
- [54] COMBINATION THERAPIES
- [54] POLYTHERAPIES
- [72] BRIERE, DAVID, US
- [72] CHRISTENSEN, JAMES GAIL, US
- [72] OLSON, PETE, US
- [71] MIRATI THERAPEUTICS, INC., US
- [85] 2022-03-22
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- [87] (WO2021/061749)
- [30] US (62/905,107) 2019-09-24

**[21] 3,152,035**  
[13] A1

- [51] Int.Cl. A24F 40/50 (2020.01)
- [25] EN
- [54] ELECTRONIC VAPORIZING DEVICE CHIP WITH AIR PRESSURE SENSING UNIT, AND WORKING METHOD THEREFOR
- [54] PUCE D'APPAREIL D'ATOMISATION ELECTRONIQUE COMPRENANT UNE UNITE DE DETECTION DE PRESSION D'AIR, ET SON PROCEDE DE FONCTIONNEMENT
- [72] LIN, GUANGRONG, CN
- [72] ZHANG, XIYONG, CN
- [72] ZHENG, XIANBIN, CN
- [71] SHENZHEN HAPPY VAPING TECHNOLOGY LIMITED, CN
- [85] 2022-03-22
- [86] 2020-09-17 (PCT/CN2020/115735)
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 [25] EN  
 [54] HIGH PRESSURE CAPSULE AND HEADER FOR PROCESS FLUID PRESSURE TRANSMITTER  
 [54] CAPSULE ET COLLECTEUR HAUTE PRESSION DESTINES A UN TRANSMETTEUR DE PRESSION DE FLUIDE DE TRAITEMENT  
 [72] PETERSEN, ERIC, US  
 [72] MEYER, NICHOLAS E., US  
 [72] STREI, DAVID M., US  
 [71] ROSEMOUNT INC., US  
 [85] 2022-03-22  
 [86] 2020-09-10 (PCT/US2020/050120)  
 [87] (WO2021/061409)  
 [30] US (16/579,056) 2019-09-23

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 [25] EN  
 [54] HEATING COOKING APPARATUS AND BUILT-IN HEATING COOKING SYSTEM  
 [54] APPAREIL DE CUISSON CHAUFFANT ET SYSTEME DE CUISSON A CHAUFFAGE INTEGRE  
 [72] NAKAMURA, KEIGO, JP  
 [72] OHNAKA, SHUNICHI, JP  
 [71] SHARP KABUSHIKI KAISHA, JP  
 [85] 2022-03-22  
 [86] 2020-09-24 (PCT/JP2020/035948)  
 [87] (WO2021/060344)  
 [30] JP (2019-175504) 2019-09-26

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[13] A1

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 [25] EN  
 [54] MOLDED PAPER PULP CUP COVER AND CONNECTING STRUCTURE FOR CUP COVER PLATE AND FLIP COVER  
 [54] COUVERCLE DE GOBELET EN PATE A PAPIER MOULEE ET STRUCTURE DE RACCORDEMENT POUR PLAQUE DE COUVERCLE DE GOBELET ET COUVERCLE RABATTABLE  
 [72] TONG, JI, CN  
 [72] LI, JINMENG, CN  
 [72] LIU, ZHIJIA, CN  
 [71] BE GREEN PACKAGING CO., LTD., CN  
 [85] 2022-03-22  
 [86] 2020-09-25 (PCT/CN2020/117721)  
 [87] (WO2021/057898)  
 [30] CN (201921611046.1) 2019-09-25

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[51] Int.Cl. C11D 3/386 (2006.01)  
 [25] EN  
 [54] AUTOMATIC DISHWASHING DETERGENT COMPOSITION COMPRISING A PROTEASE  
 [54] COMPOSITION DE DETERGENT POUR LAVAGE DE VAISSELLE AUTOMATIQUE COMPRENANT UNE PROTEASE  
 [72] SOUTER, PHILIP FRANK, GB  
 [72] PEREZ-PRAT VINUESA, EVA MARIA, GB  
 [72] JACKSON, MICHELLE, GB  
 [72] PICKERING, CARLY, GB  
 [72] ALEKSEYEV, VIKTOR YURYEVICH, US  
 [72] BABE, LILIA MARIA, US  
 [72] GOEDEGEBUUR, FRITS, NL  
 [72] KAPER, THIJS, US  
 [72] PRICELIUS, SINA, US  
 [72] VAN STIGT THANS, SANDER, US  
 [72] MULDER, HARM, US  
 [72] REDESTIG, NILS HENNING, US  
 [72] DANKMEYER, LYDIA, US  
 [72] STONER, MICHAEL, US  
 [72] GARSKE, ADAM, US  
 [72] GHIRNIKAR, ROOPA SANTOSH, US  
 [71] THE PROCTER & GAMBLE COMPANY, US  
 [85] 2022-03-22  
 [86] 2020-10-15 (PCT/US2020/070672)  
 [87] (WO2021/081547)  
 [30] US (62/925,251) 2019-10-24

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[51] Int.Cl. G10G 5/00 (2006.01) G10H 1/32 (2006.01)  
 [25] EN  
 [54] INSTRUMENT AND DEVICE RACK  
 [54] SUPPORT POUR INSTRUMENTS ET DISPOSITIFS  
 [72] HENKEL, GUNTER, DE  
 [71] MOTT MOBILE SYSTEME GMBH & CO. KG, DE  
 [85] 2022-03-22  
 [86] 2021-03-30 (PCT/DE2021/100313)  
 [87] (WO2021/197547)  
 [30] DE (10 2020 108 979.1) 2020-03-31  
 [30] DE (10 2020 109 130.3) 2020-04-01  
 [30] DE (10 2020 111 588.1) 2020-04-28

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[13] A1

[51] Int.Cl. A47G 21/04 (2006.01)  
 [25] EN  
 [54] PULP MOLDED FOLDING SPOON  
 [54] CUILLERE PLIANTE MOULEE EN PATE DE CELLULOSE  
 [72] LI, JINMENG, CN  
 [72] LIU, ZHIJIA, CN  
 [72] TONG, JI, CN  
 [71] BE GREEN PACKAGING CO., LTD., CN  
 [85] 2022-03-22  
 [86] 2020-09-25 (PCT/CN2020/117708)  
 [87] (WO2021/057895)  
 [30] CN (201921603937.2) 2019-09-25

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[21] 3,152,084

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[51] Int.Cl. C07K 16/46 (2006.01) A61P 35/00 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)  
 [25] EN  
 [54] HYBRID ANTIBODY  
 [54] ANTICORPS HYBRIDE  
 [72] WILSON, TIM, GB  
 [72] FITZGERALD, KEVIN, GB  
 [71] EPSILOGEN LTD, GB  
 [85] 2022-03-22  
 [86] 2020-10-01 (PCT/EP2020/077608)  
 [87] (WO2021/064152)  
 [30] GB (1914165.4) 2019-10-01  
 [30] GB (1917059.6) 2019-11-22  
 [30] GB (2008248.3) 2020-06-02

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| <p style="text-align: right;"><b>[21] 3,152,086</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01H 1/04 (2006.01) A01H 6/46 (2018.01) A01H 5/10 (2018.01)</p> <p>[25] EN</p> <p>[54] <b>METHODS FOR PREPARING MUTANT PLANTS</b></p> <p>[54] <b>PROCEDES DE PREPARATION DE COMPOSITIONS DE PLANTES MUTANTES</b></p> <p>[72] SKADHAUGE, BIRGITTE, DK</p> <p>[72] KNUDSEN, SOREN, DK</p> <p>[72] HAMBRAEUS, GUSTAV, DK</p> <p>[72] WENDT, TONI, DK</p> <p>[72] RASMUSSEN, MAGNUS, DK</p> <p>[72] THULIN OSTERBERG, JEPPE, DK</p> <p>[71] CARLSBERG A/S, DK</p> <p>[85] 2022-03-22</p> <p>[86] 2020-10-08 (PCT/EP2020/078321)</p> <p>[87] (WO2021/069614)</p> <p>[30] EP (19202380.2) 2019-10-10</p>           | <p style="text-align: right;"><b>[21] 3,152,092</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B64C 1/14 (2006.01) E06B 3/00 (2006.01)</p> <p>[25] FR</p> <p>[54] <b>GLAZING UNIT MOUNTED ON A STRUCTURE BY FASTENING POINTS, AT LEAST ONE OF WHICH IS PLAY-FREE WITH RESPECT TO THE GLAZING UNIT OR TO A GRIPPING FRAME THEREOF</b></p> <p>[54] <b>VITRAGE MONTE SUR UNE STRUCTURE PAR DES POINTS DE FIXATION DONT UN AU MOINS EST EXEMPT DE JEU PAR RAPPORT AU VITRAGE OU A UN CADRE DE PINCEMENT DE CELUI-CI</b></p> <p>[72] MAYEUX, JEAN-BENOIT, FR</p> <p>[72] FREMY, FLAVIEN, US</p> <p>[71] SAINT-GOBAIN GLASS FRANCE, FR</p> <p>[85] 2022-03-22</p> <p>[86] 2020-10-12 (PCT/EP2020/078588)</p> <p>[87] (WO2021/074069)</p> <p>[30] FR (FR1911415) 2019-10-14</p> | <p style="text-align: right;"><b>[21] 3,152,096</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65D 43/16 (2006.01) B65D 50/04 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>CHILD-SAFE PACKAGING</b></p> <p>[54] <b>EMBALLAGE A SECURITE ENFANT</b></p> <p>[72] DE CAT, PATRIK, BE</p> <p>[71] DECA PACKAGING GROUP VERKORT DECA, NAAMLOZE VENNOOTSCHAP, BE</p> <p>[85] 2022-03-22</p> <p>[86] 2020-09-22 (PCT/IB2020/058822)</p> <p>[87] (WO2021/059121)</p> <p>[30] BE (2019/5623) 2019-09-23</p>   |
| <p style="text-align: right;"><b>[21] 3,152,097</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07K 16/46 (2006.01) A61P 35/00 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>HYBRID ANTIBODY</b></p> <p>[54] <b>ANTICORPS HYBRIDE</b></p> <p>[72] WILSON, TIM, GB</p> <p>[72] FITZGERALD, KEVIN, GB</p> <p>[71] EPSILOGEN LTD, GB</p> <p>[85] 2022-03-22</p> <p>[86] 2020-10-01 (PCT/EP2020/077609)</p> <p>[87] (WO2021/064153)</p> <p>[30] GB (1914165.4) 2019-10-01</p> <p>[30] GB (1917059.6) 2019-11-22</p> <p>[30] GB (2008248.3) 2020-06-02</p>  |   |   |

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[13] A1

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[25] EN  
[54] THERAPY  
[54] THERAPIE  
[72] BJORSVIK, HANS-RENE, NO  
[72] ENGER, PER OYVIND, NO  
[72] CIRILLO, DAVIDE, IT  
[72] SAROWAR, SHAHIN, NO  
[71] VESTLANDETS INNOVASJONSSELSKAP AS, NO  
[85] 2022-03-22  
[86] 2020-09-25 (PCT/GB2020/052335)  
[87] (WO2021/058979)  
[30] GB (1913785.0) 2019-09-25

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[13] A1

[51] Int.Cl. A61K 31/575 (2006.01)  
[25] EN  
[54] METHODS OF TREATMENTS TO PROLONG GESTATION AND COMPLICATIONS OF MENSTRUATION OR GESTATION  
[54] PROCEDES DE TRAITEMENT DE PROLONGATION DE LA GESTATION ET DES COMPLICATIONS DES MENSTRUATIONS OU DE LA GESTATION  
[72] LIANG, LIANG, US  
[72] SNYDER, MICHAEL P., US  
[71] THE BOARD OF TRUSTEES OF THE LEELAND STANFORD JUNIOR UNIVERSITY, US  
[85] 2022-03-22  
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[87] (WO2021/061847)  
[30] US (62/904,615) 2019-09-23

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[25] EN  
[54] POLYOLEFIN-BASED MICROPOROUS FILMS VIA SEQUENTIAL COLD AND HOT STRETCHING OF UNANNEALED POLYPROPYLENE COPOLYMER FILMS  
[54] FILMS MICROPOREUX A BASE DE POLYOLEFINE OBTENUS PAR ETIRAGE A FROID ET A CHAUD SUCCESSIFS DE FILMS COPOLYMERES DE POLYPROPYLENE NON RECIUT

[72] HUANG, WENYI, US  
[72] BARGER, MARK ALAN, US  
[72] PARSONS, GARY D., US  
[72] BLETSOS, IOANNIS V., US  
[71] DDP SPECIALTY ELECTRONIC MATERIALS US, LLC, US  
[85] 2022-03-22  
[86] 2020-09-29 (PCT/US2020/053279)  
[87] (WO2021/067270)  
[30] US (62/908,146) 2019-09-30  
[30] US (17/022,290) 2020-09-16

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**[21] 3,152,102**  
[13] A1

[51] Int.Cl. A61K 35/20 (2006.01) A61K 38/17 (2006.01) A61K 38/20 (2006.01) A61P 37/00 (2006.01)  
[25] EN  
[54] A COMPOSITION FOR BOOSTING THE IMMUNE SYSTEM  
[54] COMPOSITION POUR RENFORCER LE SYSTEME IMMUNITAIRE  
[72] ORBACH, ARIEL, IL  
[72] ASHKENAZI, MAYA, IL  
[72] APPELBAUM, YUVAL, IL  
[71] MAOLAC LTD., IL  
[85] 2022-03-22  
[86] 2020-10-07 (PCT/IL2020/051084)  
[87] (WO2021/070183)  
[30] US (62/911,504) 2019-10-07  
[30] US (62/911,581) 2019-10-07  
[30] US (62/911,591) 2019-10-07  
[30] US (62/911,612) 2019-10-07

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**[21] 3,152,103**  
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[51] Int.Cl. B25H 1/00 (2006.01) B25B 11/00 (2006.01) B25H 1/08 (2006.01)  
[25] EN  
[54] ADD-ON ELEMENT FOR A PERFORATED PLATE  
[54] ELEMENT ACCESSOIRE POUR PLAQUE PERFOREE  
[72] SIEGMUND, BERND, DE  
[72] RACK, ANDREAS, DE  
[71] BERND SIEGMUND GMBH, DE  
[85] 2022-03-22  
[86] 2019-11-02 (PCT/EP2019/025376)  
[87] (WO2021/083472)

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**[21] 3,152,104**  
[13] A1

[51] Int.Cl. B01D 3/38 (2006.01) C08F 6/10 (2006.01)  
[25] EN  
[54] PROCESS FOR STRIPPING AN AQUEOUS DISPERSION OF POLYMERIC BEADS  
[54] PROCEDE DE DECAPAGE D'UNE DISPERSION AQUEUSE DE BILLES POLYMERES  
[72] QIAN, ZHEN, CN  
[72] XU, JIANMING, CN  
[72] HARSH, PHILIP, US  
[72] BOHLING, JAMES, US  
[71] DOW GLOBAL TECHNOLOGIES LLC, US  
[71] ROHM AND HAAS COMPANY, US  
[85] 2022-03-22  
[86] 2019-09-30 (PCT/CN2019/109277)  
[87] (WO2021/062577)

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[13] A1

[51] Int.Cl. A61K 31/505 (2006.01) A61K 31/704 (2006.01) A61P 35/00 (2006.01)  
 [25] EN  
 [54] COMPOSITION INCLUDING RILPIVIRINE AND USE THEREOF FOR TREATING TUMORS OR CANCER  
 [54] COMPOSITION COMPRENANT DE LA RILPIVIRINE ET SON UTILISATION POUR LE TRAITEMENT DE TUMEURS OU DU CANCER  
 [72] LEE, WAI YIP THOMAS, CN  
 [72] POON, CHUNG SING DANIEL, CN  
 [72] LAI, KA LUN, CN  
 [72] HUANG, JUNZHE, CN  
 [72] LI, HO YIN, CN  
 [71] SCIPIO LIFE SCIENCES LIMITED, CN  
 [85] 2022-03-22  
 [86] 2020-11-27 (PCT/CN2020/132422)  
 [87] (WO2021/104487)  
 [30] US (62/941,891) 2019-11-29  
 [30] US (63/072,281) 2020-08-31

**[21] 3,152,108**  
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 [72] ANTINORI, MAXIM, US  
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 [54] PROCEDE DE REALISATION D'UNE MESURE ANALYTIQUE  
 [72] ALPEROWITZ, LUKAS, DE  
 [72] BERG, MAX, DE  
 [72] SELLMAIR, SEBASTIAN, DE  
 [71] F. HOFFMANN-LA ROCHE AG, CH  
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 [54] SYSTEME ET PROCEDE DE POSITIONNEMENT D'UN NAVIRE AQUATIQUE  
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 [72] FUCHS, MICHAEL J., US  
 [72] DONAT, BLAIR A., US  
 [72] MARSHALL, GABRIEL A., US  
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 [72] GLISSON, MATTHEW, US  
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 [72] SAXENA, SURYANSH, US  
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 [72] POL, NISHANT, US  
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 [71] POLARIS INDUSTRIES INC., US  
 [71] CARNEGIE MELLON UNIVERSITY, US  
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  - [71] STARPHARMA PTY LTD, AU
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  - [54] BOULON A FOURCHETTE DE SERRAGE AJUSTABLE
  - [72] SIEGMUND, BERND, DE
  - [72] ZINK, THOMAS, DE
  - [71] BERND SIEGMUND GMBH, DE
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  - [54] PROCEDES ET DISPOSITIFS DE REALISATION D'UNE MESURE ANALYTIQUE
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  - [72] BERG, MAX, DE
  - [72] HAILER, FREDRIK, DE
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  - [54] LIGNEE CELLULAIRE POUR LA DECOUVERTE ET L'INGENIERIE DU TCR ET PROCEDES D'UTILISATION DE CELLE-CI
  - [72] VAZQUEZ-LOMBARDI, RODRIGO, CH
  - [72] JUNG, JOHANNA SOPHIE, GB
  - [72] REDDY, SAI TOTA, CH
  - [71] ETH ZURICH, CH
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- [72] SHEPHERD, ROBERT PEARSON, AU
- [72] PFLEGER, KEVIN, AU
- [71] DIMERIX BIOSCIENCE PTY LTD, AU
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  - [72] SLEITH, CHARLES CONOR, US
  - [71] SONOS, INC., US
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- [54] COMPOSITION POUR L'ADMINISTRATION D'OXYDE NITRIQUE SUR LA PEAU
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- [72] DAVIS, PAUL, GB
- [71] INSENSE LIMITED, GB
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- [54] UTILISATION DE SILICATES DANS UN FILM DE SERRE POUR AUGMENTER LE DEVELOPPEMENT FLORAL DE PLANTES
- [72] PELLERIN, MORGANE, FR
- [72] BELEKIAN, DENIS, FR
- [72] AURISSERGUES, FRANCK, FR
- [72] D'ALENCON, LAURIANE, FR
- [72] LE MERCIER, THIERRY, FR
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- [54] SYSTEME ET PROCEDE DE SERVICES MOBILES INTERACTIFS
- [72] RATTNER, ZACHARY, US
- [72] MOHAN, SIDDHARTH, US
- [71] YEMBO, INC., US
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- [25] EN
- [54] TAMPER EVIDENT PREPAID CARD PACKAGING
- [54] EMBALLAGE INVIOABLE DES CARTES PREPAYEES
- [72] DICKMAN, MATT, US
- [72] GLINERT, KENNETH, US
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- [25] EN
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- [25] EN
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- [54] PROCEDES ET SYSTEMES POUR LA SEPARATION A HAUT RENDEMENT DE MATERIAUX A L'AIDE D'UN MOUVEMENT DE STRATIFICATION ET DE ROTATION
- [72] VALERIO, THOMAS A., US
- [71] VALERIO, THOMAS A., US
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- [54] PEINTURE A BASE AQUEUSE, CERAMIQUE ET PROCEDE DE PEINTURE
- [72] NAKAMURA, KENJI, JP
- [72] IWAI, TOSHIHIRO, JP
- [72] OKAWA, JUNYA, JP
- [71] EHIME PREFECTURE, JP
- [71] DAIO PAPER CORPORATION, JP
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- [72] HAMMOND, KELSEY O., US
- [72] VIERCK, BENJAMIN E., US
- [71] CAMELBAK PRODUCTS, LLC, US
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- [54] NEOGLYCOCONJUGUES UTILISES EN TANT QUE VACCINS ET OUTILS THERAPEUTIQUES
- [72] SHIAO, TZE CHIEH, CA
- [72] MOFFETT, SERGE, CA
- [72] MIGNANI, SERGE, FR
- [72] ROY, RENE, CA
- [71] KORANEX CAPITAL, CA
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- [86] 2020-09-18 (PCT/CA2020/051253)
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- [71] SPEX GROUP HOLDINGS LIMITED, GB
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- [72] MCKAY, SIMON, GB
- [71] SPEX GROUP HOLDINGS LIMITED, GB
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- [87] (WO2021/094582)
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- [72] SNOW, COURTNEY, US
- [71] CHURCH & DWIGHT CO., INC., US
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- [87] (WO2021/059236)
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- [25] EN
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- [54] PROCEDE DE PRODUCTION DE BIOMASSE A FLORAISON STERILE DANS DES BIOREACTEURS A IMMERSION TEMPORAIRE
- [72] BUET, SARAH-MERYLL, FR
- [72] FIUME, ELISA, FR
- [72] GUIHARD, GABRIEL, FR
- [72] TISSERANT, LEO-PAUL, FR
- [71] ALKION BIOINNOVATIONS, FR
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- [25] EN
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- [54] DISPOSITIF D'OUVERTURE/FERMETURE POUR UN RECIPIENT POUR PRODUITS POUVANT ETRE VERSES
- [72] SILLA, ROBERTO, IT
- [72] MICHETTI, LUIGINO, IT
- [71] EASY PLAST S.R.L., IT
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- [54] COMPOSITION D'EMULSION, COMPOSITION COSMETIQUE, ET PROCEDE DE PRODUCTION D'UNE COMPOSITION D'EMULSION
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- [71] DAIO PAPER CORPORATION, JP
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| [72] JANG, TAEHO, US   |
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| <p>[21] <b>3,152,242</b><br/>[13] A1</p> <p>[51] Int.Cl. E04H 1/00 (2006.01) B28B 3/20<br/>(2006.01) E04B 2/88 (2006.01) E04B<br/>2/90 (2006.01) E04F 13/08 (2006.01)<br/>E04F 13/14 (2006.01) E04H 15/52<br/>(2006.01)</p> <p>[25] EN</p> <p>[54] REINFORCEMENT RESTRAINT<br/>MECHANISM FOR A FACADE<br/>PANEL</p> <p>[54] MECANISME DE RETENUE<br/>D'ARMATURE POUR PANNEAU<br/>DE FACADE</p> <p>[72] SHARAYKO, MATTHEW JAMES, US<br/>[72] PETRILLO, TODD J., US<br/>[72] STEINMETZ, MOSHE, US<br/>[71] SHILDAN, INC., US<br/>[85] 2022-03-23<br/>[86] 2020-09-23 (PCT/US2020/052169)<br/>[87] (WO2021/061740)<br/>[30] US (62/905,529) 2019-09-25<br/>[30] US (62/946,653) 2019-12-11</p> |
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| <p>[21] <b>3,152,253</b><br/>[13] A1</p> <p>[51] Int.Cl. H04W 12/08 (2021.01) H04L<br/>9/40 (2022.01)</p> <p>[25] EN</p> <p>[54] NETWORK CYBER-SECURITY<br/>PLATFORM</p> <p>[54] PLATE-FORME DE<br/>CYBERSECURITE DE RESEAU</p> <p>[72] KUDTARKAR, MAYUR, US<br/>[72] COPPO, KIRSTEN, US<br/>[71] LEVEL 3 Communications, LLC,<br/>US<br/>[85] 2022-03-23<br/>[86] 2020-09-18 (PCT/US2020/051569)<br/>[87] (WO2021/061526)<br/>[30] US (62/905,929) 2019-09-25</p> |
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| <p>[21] <b>3,152,254</b><br/>[13] A1</p> <p>[51] Int.Cl. B01J 21/06 (2006.01) B01J<br/>23/10 (2006.01) B01J 35/00 (2006.01)<br/>B01J 35/02 (2006.01) B01J 37/00<br/>(2006.01) B01J 37/02 (2006.01) B01J<br/>37/03 (2006.01)</p> <p>[25] EN</p> <p>[54] SUSPENSION OF<br/>NANOPARTICLES OF A MIXED<br/>OXIDE</p> <p>[54] SUSPENSION DE<br/>NANOParticules d'un oxyde<br/>mixte</p> <p>[72] HARLE, VIRGINIE, FR<br/>[72] IFRAH, SIMON, FR<br/>[72] CHABERT, BORIS, FR<br/>[72] FAURE, BENJAMIN, FR<br/>[72] LARUE, OLIVIER, FR<br/>[71] RHODIA OPERATIONS, FR<br/>[85] 2022-03-23<br/>[86] 2020-09-28 (PCT/EP2020/077137)<br/>[87] (WO2021/063900)<br/>[30] EP (19315119.8) 2019-10-01</p> |
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| <p>[21] <b>3,152,258</b><br/>[13] A1</p> <p>[51] Int.Cl. A61K 9/00 (2006.01) C12N<br/>15/113 (2010.01) A61K 31/70<br/>(2006.01) A61K 31/7105 (2006.01)<br/>A61P 29/00 (2006.01) C07H 21/04<br/>(2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS AND METHODS<br/>FOR TREATING METASTATIC<br/>GASTROINTESTINAL CANCER</p> <p>[54] COMPOSITIONS ET PROCEDES<br/>DE TRAITEMENT D'UN CANCER<br/>GASTRO-INTESTINAL<br/>METASTASIQUE</p> <p>[72] TAVAZOIE, SOHAIB F., US<br/>[72] YAMAGUCHI, NORIHIRO, US<br/>[72] BIRSOY, KIVANC, US<br/>[71] THE ROCKFELLER UNIVERSITY,<br/>US<br/>[85] 2022-03-23<br/>[86] 2020-09-25 (PCT/US2020/052721)<br/>[87] (WO2021/062157)<br/>[30] US (62/907,113) 2019-09-27</p> |
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| <p>[21] <b>3,152,260</b><br/>[13] A1</p> <p>[51] Int.Cl. A45D 40/00 (2006.01) A45D<br/>40/06 (2006.01) A45D 40/16 (2006.01)</p> <p>[25] EN</p> <p>[54] CONTAINER FOR A STICK<br/>PRODUCT</p> <p>[54] RECIPIENT POUR PRODUIT EN<br/>BATON</p> <p>[72] YAN, JIAN, CA</p> <p>[71] ELC MANAGEMENT LLC, US</p> <p>[85] 2022-03-23</p> <p>[86] 2020-09-30 (PCT/US2020/053351)</p> <p>[87] (WO2021/067323)</p> <p>[30] US (16/589,662) 2019-10-01</p> |
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| <p>[21] <b>3,152,263</b><br/>[13] A1</p> <p>[51] Int.Cl. A61P 35/00 (2006.01) A61P<br/>37/04 (2006.01) C12Q 1/68 (2018.01)</p> <p>[25] EN</p> <p>[54] COMPOSITE BIOMARKER FOR<br/>CANCER THERAPY</p> <p>[54] BIOMARQUEUR COMPOSITE<br/>POUR LE TRAITEMENT DU<br/>CANCER</p> <p>[72] SANTUCCI PEREIRA DEL BUONO,<br/>JULIA, US</p> <p>[72] NELSON, DAVID MARTIN, US</p> <p>[72] KANDOUSSI, ENZO YACOBI, US</p> <p>[72] FISCHER, BRUCE S., US</p> <p>[72] WIND-ROTOLO, MEGAN M., US</p> <p>[72] ISHII, YUKO, US</p> <p>[72] GREENAWALT, DANIELLE MARIE,<br/>US</p> <p>[71] BRISTOL-MYERS SQUIBB<br/>COMPANY, US</p> <p>[85] 2022-03-23</p> <p>[86] 2020-09-24 (PCT/US2020/052531)</p> <p>[87] (WO2021/062018)</p> <p>[30] US (62/905,933) 2019-09-25</p> |
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[13] A1

- [51] Int.Cl. H04L 41/0806 (2022.01) H04L 41/0869 (2022.01)
- [25] EN
- [54] NETWORK SERVICE ACTIVATION SYSTEM
- [54] SYSTEME D'ACTIVATION DE SERVICE DE RESEAU
- [72] DWYER, JAMES C., US
- [72] NYHUS, MICHAEL L., US
- [71] LEVEL 3 COMMUNICATIONS, LLC, US
- [85] 2022-03-23
- [86] 2020-08-20 (PCT/US2020/047140)
- [87] (WO2021/061309)
- [30] US (62/905,954) 2019-09-25
- [30] US (16/905,356) 2020-06-18

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[13] A1

- [51] Int.Cl. B01D 29/00 (2006.01) B01D 29/48 (2006.01) B01D 29/60 (2006.01) B01D 29/64 (2006.01) B01D 29/74 (2006.01) B01D 29/94 (2006.01) B01D 65/08 (2006.01)
- [25] EN
- [54] SELF CLEANING DEVICE AND METHOD FOR CONTINUOUS FILTRATION OF HIGH VISCOSITY FLUIDS
- [54] DISPOSITIF AUTONETTOYANT ET PROCEDE DE FILTRATION CONTINUE DE FLUIDES A VISCOSITE ELEVEE
- [72] PINTO, GIDEON, IL
- [71] PINTO, GIDEON, IL
- [85] 2022-03-23
- [86] 2020-09-23 (PCT/IL2020/051036)
- [87] (WO2021/059268)
- [30] US (62/905,469) 2019-09-25

**[21] 3,152,271**

[13] A1

- [51] Int.Cl. E02F 9/20 (2006.01)
- [25] EN
- [54] DETERMINATION OF A UNIFYING PRODUCTION METRIC
- [54] DETERMINATION D'UNE MESURE DE PRODUCTION D'UNIFICATION
- [72] BRICKNER, CHAD T., US
- [72] DECLERK, ALLEN J., US
- [72] BOMER, BRADLEY K., US
- [72] WHITING, MARK W., US
- [71] CATERPILLAR INC., US
- [85] 2022-03-23
- [86] 2020-09-30 (PCT/US2020/053359)
- [87] (WO2021/067327)
- [30] US (16/589,696) 2019-10-01

**[21] 3,152,276**

[13] A1

- [51] Int.Cl. G06Q 10/06 (2012.01) G06Q 10/08 (2012.01) G06Q 50/08 (2012.01)
- [25] EN
- [54] DETERMINATION OF A LIFT COUNT METRIC
- [54] DETERMINATION D'UNE MESURE DE COMPTAGE DE LEVAGES
- [72] BRICKNER, CHAD T., US
- [72] DECLERK, ALLEN J., US
- [72] BOMER, BRADLEY K., US
- [72] WHITING, MARK W., US
- [71] CATERPILLAR INC., US
- [85] 2022-03-23
- [86] 2020-09-30 (PCT/US2020/053361)
- [87] (WO2021/067328)
- [30] US (16/589,867) 2019-10-01

**[21] 3,152,274**

[13] A1

- [51] Int.Cl. A01N 25/00 (2006.01) C09K 11/77 (2006.01)
- [25] EN
- [54] USE OF SILICATES IN A GREENHOUSE FILM FOR INCREASING FRUIT DEVELOPMENT OF PLANTS
- [54] UTILISATION DE SILICATES DANS UN FILM POUR SERRE POUR AUGMENTER LE DEVELOPPEMENT DE FRUITS DE PLANTES
- [72] PELLERIN, MORGANE, FR
- [72] BELEKIAN, DENIS, FR
- [72] AURISSEGUES, FRANCK, FR
- [72] D'ALENCON, LAURIANE, FR
- [72] LE MERCIER, THIERRY, FR
- [71] SOLVAY SA, BE
- [85] 2022-03-23
- [86] 2020-10-12 (PCT/EP2020/078662)
- [87] (WO2021/069755)
- [30] EP (19306336.9) 2019-10-11

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[13] A1

- [51] Int.Cl. B21B 37/76 (2006.01) B21B 45/02 (2006.01) B21C 47/18 (2006.01) C22F 1/04 (2006.01)
- [25] EN
- [54] RAPID QUENCH LINE
- [54] LIGNE DE TREMPE RAPIDE
- [72] GAENSBAUER, DAVID ANTHONY, US
- [72] BECK, WILLIAM, US
- [72] SU, FRANK, US
- [72] WAGSTAFF, SAMUEL ROBERT, US
- [72] MICK, STEPHEN L., US
- [72] HOBBIS, ANDREW JAMES, US
- [71] NOVELIS INC., US
- [85] 2022-03-23
- [86] 2020-10-13 (PCT/US2020/055327)
- [87] (WO2021/076473)
- [30] US (62/915,915) 2019-10-16

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[21] **3,152,279**  
[13] A1

[51] Int.Cl. C12Q 1/6883 (2018.01)  
 [25] EN  
**[54] METHODS FOR DETERMINING RESPONSIVENESS TO ANTI-TUMOR NECROSIS FACTOR THERAPY IN THE TREATMENT OF PSORIASIS**  
**[54] PROCEDES POUR DETERMINER LA REACTIVITE A UNE THERAPIE ANTI-FACTER DE NECROSE TUMORALE DANS LE TRAITEMENT DU PSORIASIS**  
 [72] GUDJONSSON, JOHANN, US  
 [72] TSOI, LAM CHEUNG, US  
 [71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US  
 [85] 2022-03-23  
 [86] 2020-10-02 (PCT/US2020/053900)  
 [87] (WO2021/067667)  
 [30] US (62/910,871) 2019-10-04

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[21] **3,152,281**  
[13] A1

[51] Int.Cl. A61K 35/17 (2015.01) A61K 31/4196 (2006.01) A61K 31/454 (2006.01) A61K 31/506 (2006.01) A61K 31/5375 (2006.01) A61K 38/20 (2006.01) A61P 35/00 (2006.01)  
 [25] EN  
**[54] CBL INHIBITORS AND COMPOSITIONS FOR EXPANSION OF IMMUNE CELLS**  
**[54] INHIBITEURS DE CBL ET COMPOSITIONS POUR L'EXPANSION DE CELLULES IMMUNITAIRES**  
 [72] SANDS, ARTHUR T., US  
 [72] GOSLING, JENNIFA, US  
 [72] WHELAN, SARAH ANNE, US  
 [72] LOTZE, MICHAEL, US  
 [71] NURIX THERAPEUTICS, INC., US  
 [85] 2022-03-23  
 [86] 2020-09-23 (PCT/US2020/052335)  
 [87] (WO2021/061870)  
 [30] US (62/905,124) 2019-09-24  
 [30] US (62/954,323) 2019-12-27  
 [30] US (62/961,596) 2020-01-15  
 [30] US (62/978,254) 2020-02-18  
 [30] US (63/032,462) 2020-05-29

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[21] **3,152,282**  
[13] A1

[51] Int.Cl. C09C 1/36 (2006.01) C09D 101/28 (2006.01) C09D 133/02 (2006.01)  
 [25] EN  
**[54] HYDROPHOBICALLY MODIFIED PIGMENT COMPOSITION**  
**[54] COMPOSITION DE PIGMENT A MODIFICATION HYDROPHOBE**  
 [72] BARTON, DAVID G., US  
 [72] BOHLING, JAMES C., US  
 [72] CALLEJAS, JUAN F., US  
 [72] CHAKRAVARTY, AMRITA, US  
 [72] KATZ, ALEXANDER, US  
 [72] MISHRA, MANISH K., US  
 [72] RADKE, CLAYTON J., US  
 [72] VAN DYK, ANTONY K., US  
 [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
 [71] DOW GLOBAL TECHNOLOGIES LLC, US  
 [71] ROHM AND HAAS COMPANY, US  
 [85] 2022-03-23  
 [86] 2020-10-01 (PCT/US2020/053685)  
 [87] (WO2021/067537)  
 [30] US (62/909,344) 2019-10-02

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[13] A1

[51] Int.Cl. A47B 53/02 (2006.01) B65G 1/10 (2006.01)  
 [25] EN  
**[54] A STORAGE SYSTEM**  
**[54] SYSTEME D'ENTREPOSAGE**  
 [72] WATHNE, ESPEN, NO  
 [71] WATHNE, ESPEN, NO  
 [85] 2022-03-23  
 [86] 2020-09-24 (PCT/NO2020/050242)  
 [87] (WO2021/060991)  
 [30] NO (20191165) 2019-09-27

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[21] **3,152,285**  
[13] A1

[51] Int.Cl. B23K 37/053 (2006.01) F16L 13/02 (2006.01)  
 [25] EN  
**[54] BACKING MATERIAL FOR WELDING**  
**[54] MATERIAU SUPPORT DESTINE AU Soudage**  
 [72] GREENBERG, J. EVAN, US  
 [71] WORLDWIDE MACHINERY, LTD, US  
 [85] 2022-03-23  
 [86] 2020-03-18 (PCT/US2020/023438)  
 [87] (WO2021/061191)  
 [30] US (62/906,522) 2019-09-26

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[21] **3,152,287**  
[13] A1

[51] Int.Cl. G01N 33/558 (2006.01) G01N 33/02 (2006.01) G01N 33/10 (2006.01)  
 [25] EN  
**[54] A PAPER-BASED MICROFLUIDIC DON-CHIP FOR RAPID AND LOW-COST DEOXYNIVALENOL QUANTIFICATION IN FOODS, FEEDS AND FEED INGREDIENTS**  
**[54] PUCE A DESOXYNIVALENOL (PUCE-DON) MICROFLUIDIQUE A BASE DE PAPIER POUR QUANTIFICATION DE DESOXYNIVALENOL RAPIDE ET ECONOMIQUE DANS DE LA NOURRITURE, DES ALIMENTS ET DES INGREDIENTS D'ALIMENT**  
 [72] JIANG, QIAN, CA  
 [72] WU, JIANDONG, CA  
 [72] LIN, FRANCIS, CA  
 [72] YANG, CHENGBO, CA  
 [71] UNIVERSITY OF MANITOBA, CA  
 [85] 2022-03-23  
 [86] 2020-09-28 (PCT/CA2020/051289)  
 [87] (WO2021/056120)  
 [30] US (62/906,441) 2019-09-26

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[21] **3,152,289**  
[13] A1

[51] Int.Cl. E21B 17/02 (2006.01) E21B 19/16 (2006.01)  
 [25] EN  
**[54] DEVICE, SYSTEM AND METHOD FOR HIGH SPEED DATA TRANSFER**  
**[54] DISPOSITIF, SYSTEME ET PROCEDE DE TRANSFERT DE DONNEES A HAUTE VITESSE**  
 [72] HELLVIK, SVEIN, NO  
 [72] WELMER, MORTEN, NO  
 [71] NATIONAL OILWELL VARCO NORWAY AS, NO  
 [85] 2022-03-23  
 [86] 2020-10-15 (PCT/NO2020/050254)  
 [87] (WO2021/075977)  
 [30] EP (19203843.8) 2019-10-17

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**[21] 3,152,290**  
[13] A1

- [51] Int.Cl. H04N 19/597 (2014.01)
- [25] EN
- [54] INDICATION OF ONE SLICE PER SUBPICTURE IN SUBPICTURE-BASED VIDEO CODING
- [54] INDICATION D'UNE TRANCHE PAR SOUS-IMAGE DANS UN CODAGE VIDEO A BASE DE SOUS-IMAGE
- [72] WANG, YE-KUI, US
- [72] HENDRY, FNU, US
- [71] HUAWEI TECHNOLOGIES CO., LTD., CN
- [85] 2022-03-23
- [86] 2020-09-15 (PCT/US2020/050837)
- [87] (WO2021/061443)
- [30] US (62/904,481) 2019-09-23
- [30] US (62/905,122) 2019-09-24

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[13] A1

- [51] Int.Cl. A61K 35/17 (2015.01) A61K 31/4196 (2006.01) A61K 31/454 (2006.01) A61K 31/506 (2006.01) A61K 31/5375 (2006.01) A61K 38/20 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] CBL INHIBITORS AND COMPOSITIONS FOR USE IN ADOPTIVE CELL THERAPY
- [54] INHIBITEURS DE CBL ET COMPOSITIONS DESTINES A ETRE UTILISES DANS UNE THERAPIE CELLULAIRE ADOPTIVE
- [72] SANDS, ARTHUR T., US
- [72] GOSLING, JENNIFER, US
- [72] WHELAN, SARAH ANNE, US
- [72] GUIDUCCI, CRISTIANA, US
- [71] NURIX THERAPEUTICS, INC., US
- [85] 2022-03-23
- [86] 2020-09-23 (PCT/US2020/052317)
- [87] (WO2021/061853)
- [30] US (62/905,124) 2019-09-24
- [30] US (62/954,323) 2019-12-27
- [30] US (62/961,596) 2020-01-15
- [30] US (62/978,254) 2020-02-18
- [30] US (63/032,462) 2020-05-29

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[13] A1

- [51] Int.Cl. G01C 21/36 (2006.01) G02B 27/01 (2006.01) G06F 3/01 (2006.01)
- [25] EN
- [54] METHOD AND SYSTEM OF VEHICLE DRIVING ASSISTANCE
- [54] PROCEDE ET SYSTEME D'ASSISTANCE A LA CONDUITE DE VEHICULE
- [72] SAVARESI, SERGIO MATTEO, IT
- [72] CORNO, MATTEO, IT
- [72] FRANCESCHETTI, LUCA, IT
- [72] RONCHI, MARTA, IT
- [71] POLITECNICO DI MILANO, IT
- [85] 2022-03-23
- [86] 2020-09-21 (PCT/IB2020/058765)
- [87] (WO2021/059107)
- [30] IT (102019000017429) 2019-09-27

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[13] A1

- [51] Int.Cl. B62D 55/21 (2006.01)
- [25] EN
- [54] TRACK CHAIN COMPONENTS WITH HARDFACE OVERLAY
- [54] COMPOSANTS DE CHAINE DE CHENILLE A REVETEMENT DE FACE DURE
- [72] RATHOD, CHANDRASEN R., US
- [72] RECKER, ROGER L., US
- [72] PICKERILL, ROBERT J., US
- [72] KEELE, SCOTT E., US
- [72] WEAVER, DOUGLAS T., US
- [72] SORDELET, DANIEL J., US
- [71] CATERPILLAR INC., US
- [85] 2022-03-23
- [86] 2020-09-17 (PCT/US2020/051188)
- [87] (WO2021/067041)
- [30] US (16/591,250) 2019-10-02

**[21] 3,152,296**  
[13] A1

- [51] Int.Cl. A61F 2/16 (2006.01) A61F 2/14 (2006.01) G02C 7/02 (2006.01) G02C 7/04 (2006.01)
- [25] EN
- [54] ADJUSTABLE INTRAOCULAR LENSES AND METHODS OF POST-OPERATIVELY ADJUSTING INTRAOCULAR LENSES
- [54] LENTILLES INTRAOCULAIRES AJUSTABLES ET PROCEDES D'AJUSTEMENT POST-OPERATOIRE DE LENTILLES INTRAOCULAIRES
- [72] SMILEY, TERAH WHITING, US
- [72] WALZ, ANDREW R., US
- [72] HAJELA, SHARAD, US
- [72] MATTHEWS, GREGORY VINTON, US
- [72] ANGELOPOULOS, ROBERT, US
- [72] LEWIS, NATHAN, US
- [71] ALCON, INC., CH
- [85] 2022-03-23
- [86] 2020-10-01 (PCT/US2020/053762)
- [87] (WO2021/067574)
- [30] US (62/911,039) 2019-10-04

**[21] 3,152,297**  
[13] A1

- [51] Int.Cl. A61K 31/4439 (2006.01) A61K 31/404 (2006.01) C07D 471/14 (2006.01)
- [25] EN
- [54] SELECTIVE DUAL HISTONE DEACETYLASE 6/8 (HDAC6/8) DEGRADERS AND METHODS OF USE THEREOF
- [54] AGENTS DE DEGRADATION SELECTIFS D'HISTONE DESACETYLASES 6/8 (HDAC6/8) ET LEURS PROCEDES D'UTILISATION
- [72] FISCHER, ERIC S., US
- [72] XIONG, YUAN, US
- [72] DONOVAN, KATHERINE, US
- [72] ELEUTERI, NICHOLAS, US
- [71] DANA-FARBER CANCER INSTITUTE, INC., US
- [85] 2022-03-23
- [86] 2020-11-05 (PCT/US2020/059082)
- [87] (WO2021/092153)
- [30] US (62/931,541) 2019-11-06

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[13] A1

- [51] Int.Cl. C07D 209/42 (2006.01) C07D 401/12 (2006.01) C07D 471/04 (2006.01)  
 [25] EN  
 [54] SYNTHESIS OF 3-(5-CHLORO-1-[3-(METHYLSULFONYL)PROPYL]-1H-INDOL-2-YL} METHYL)-1-(2,2,2-TRIFLUOROETHYL)-1,3-DIHYDRO-2H-IMIDAZO[4,5C]PYRIDIN-2-ONE  
 [54] SYNTHESE DE 3-(5-CHLORO-1-[3-(METHYLSULFONYL)PROPYL]-1<I>H</I>-INDOL-2 YL} METHYL)-1-(2,2,2-TRIFLUOROETHYL)-1,3-DIHYDRO-2<I>H</I>-IMIDAZO[4,5-C]PYRIDIN-2-ONE  
 [72] RASPARINI, MARCELLO, BE  
 [72] WEERTS, JOHAN ERWIN EDMOND, BE  
 [72] JANSEN, CORINA MATHILDE, BE  
 [72] LU, ZHIHUI, CN  
 [72] TAN, HONGYU, CN  
 [72] HAN, LICHENG, CN  
 [71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE  
 [85] 2022-03-23  
 [86] 2020-10-29 (PCT/EP2020/080381)  
 [87] (WO2021/083998)  
 [30] CN (PCT/CN2019/114254) 2019-10-30
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**[21] 3,152,304**  
[13] A1

- [51] Int.Cl. A61F 2/16 (2006.01) A61F 2/14 (2006.01) G02B 3/12 (2006.01) G02B 3/14 (2006.01)  
 [25] EN  
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 [54] ACCOMMODATION DE LENTILLES INTRAOCULAIRES A SURFACE TORIQUE  
 [72] WALZ, ANDREW R., US  
 [72] ANGELOPOULOS, ROBERT, US  
 [72] LEWIS, NATHAN, US  
 [71] ALCON INC., CH  
 [85] 2022-03-23  
 [86] 2020-10-01 (PCT/US2020/053763)  
 [87] (WO2021/067575)  
 [30] US (62/911,020) 2019-10-04

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 [25] EN  
 [54] MOULD FOR THE PRODUCTION OF CLOSURES IN COMPRESSION MOULDING MACHINES  
 [54] MOULE POUR LA PRODUCTION DE FERMETURES DANS DES MACHINES DE MOULAGE PAR COMPRESSION  
 [72] MARETTI, PIERO, IT  
 [72] PENAZZI, DAVIDE, IT  
 [71] SACMI COOPERATIVA MECCANICI IMOLA SOCIETA' COOPERATIVA, IT  
 [85] 2022-03-23  
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 [30] IT (102019000017849) 2019-10-03
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 [25] EN  
 [54] SELECTIVE HDAC6 DEGRADERS AND METHODS OF USE THEREOF  
 [54] DEGRADEURS SELECTIFS DE L'HDAC6 ET PROCEDES D'UTILISATION DE CEUX-CI  
 [72] FISCHER, ERIC S., US  
 [72] XIONG, YUAN, US  
 [72] DONOVAN, KATHERINE, US  
 [72] ELEUTERI, NICHOLAS, US  
 [71] DANA-FARBER CANCER INSTITUTE, INC., US  
 [85] 2022-03-23  
 [86] 2020-11-05 (PCT/US2020/059080)  
 [87] (WO2021/092151)  
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[13] A1

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 [25] EN  
 [54] ADJUSTABLE INTRAOCULAR LENSES AND METHODS OF POST-OPERATIVELY ADJUSTING INTRAOCULAR LENSES  
 [54] LENTILLES INTRAOCULAIRES REGLABLES ET PROCEDES DE REGLAGE POSTOPERATOIRE DE LENTILLES INTRAOCULAIRES  
 [72] SMILEY, TERAH WHITING, US  
 [71] ALCON INC., CH  
 [85] 2022-03-23  
 [86] 2020-08-11 (PCT/US2020/053767)  
 [87] (3152310)  
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 [25] EN  
 [54] METHODS OF ISOLATING CELLS FROM PLACENTAL TISSUE  
 [54] PROCEDES D'ISOLEMENT DE CELLULES PRESENTES DANS UN TISSU PLACENTAIRE  
 [72] ALCENDOR, DONALD, US  
 [71] MEHARRY MEDICAL COLLEGE, US  
 [85] 2022-03-23  
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[25] EN  
[54] METHOD AND MEASUREMENT SYSTEM FOR DETECTING AND LOCALIZING INCORRECT POSITIONING OF SUPPORT ROLLERS IN BELT CONVEYOR INSTALLATIONS  
[54] PROCEDE ET SYSTEME DE MESURE POUR DETECTER ET LOCALISER UN POSITIONNEMENT INCORRECT DE ROULEAUX DE SUPPORT DANS DES INSTALLATIONS TRANSPORTEUSES A COURROIE  
[72] KATTERFELD, ANDRE, DE  
[72] OTTO, HENDRIK, DE  
[72] WONNER, LISA, DE  
[71] OTTO-VON-GUERICKE- UNIVERSITAT MAGDEBURG, DE  
[85] 2022-03-23  
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[13] A1

[51] Int.Cl. A61J 1/20 (2006.01) A61K 9/08 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)  
[25] EN  
[54] PREVENTION OF VISIBLE PARTICLE FORMATION IN AQUEOUS PROTEIN SOLUTIONS  
[54] PREVENTION DE LA FORMATION DE PARTICULES VISIBLES DANS DES SOLUTIONS DE PROTEINES AQUEUSES  
[72] ALLMENDINGER, ANDREA, CH  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2022-03-23  
[86] 2020-11-13 (PCT/EP2020/081999)  
[87] (WO2021/094508)  
[30] EP (19209359.9) 2019-11-15

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[13] A1

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[25] EN  
[54] PROCESS FOR PREPARING NANOPARTICLES IN THE FORM OF A POWDER COMPRISING A BIO-RESORBABLE POLYESTER  
[54] PROCEDE DE PREPARATION DE NANOParticules SOUS FORME DE POUDRE COMPRENANT UN POLYESTER BIORESORBABLE  
[72] FECHER, DAVID, DE  
[72] OPERTI, MARIA CAMILLA, DE  
[72] JABER, RIMA, DE  
[72] ENGEL, ANDREA, US  
[72] GRIMM, SILKO, DE  
[72] YANG, MIN, US  
[71] EVONIK CORPORATION, US  
[85] 2022-03-23  
[86] 2020-09-25 (PCT/EP2020/076853)  
[87] (WO2021/063813)  
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[51] Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)  
[25] EN  
[54] CAMPTOTHECIN PEPTIDE CONJUGATES  
[54] CONJUGUES PEPTIDIQUES DE CAMPTOTHECINE  
[72] JEFFREY, SCOTT C., US  
[72] LYNSKI, RYAN, US  
[72] COCHRAN, JULIA, US  
[71] SEAGEN INC., US  
[85] 2022-03-23  
[86] 2020-10-02 (PCT/US2020/054137)  
[87] (WO2021/067861)  
[30] US (62/911,060) 2019-10-04

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[13] A1

[51] Int.Cl. E04F 13/26 (2006.01) E04F 15/02 (2006.01)  
[25] EN  
[54] FASTENING DEVICE SYSTEM  
[54] SYSTEME DE DISPOSITIF DE FIXATION  
[72] THELIN, JUSTIN, US  
[72] ALLEN, AARON, US  
[72] COOLEY, SCOTT, US  
[72] SKIBA, BURT, US  
[71] SPARTAN MAT, LLC, US  
[85] 2022-03-23  
[86] 2021-03-02 (PCT/US2021/020534)  
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[13] A1

[51] Int.Cl. B01J 19/00 (2006.01) B01J 19/18 (2006.01) C01G 53/00 (2006.01)  
[25] EN  
[54] PROCESS FOR PRECIPITATING A MIXED CARBONATE OR MIXED (OXY)HYDROXIDE  
[54] PROCEDE DE PRECIPITATION D'UN CARBONATE MIXTE OU D'UN (OXY)HYDROXYDE MIXTE  
[72] BEIERLING, THORSTEN, DE  
[72] KESPE, MICHAEL ANDREAS, DE  
[71] BASF SE, DE  
[85] 2022-03-23  
[86] 2020-09-03 (PCT/EP2020/074623)  
[87] (WO2021/063624)  
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[51] Int.Cl. H04N 19/196 (2014.01) H04N 19/423 (2014.01)  
[25] EN  
[54] SIGNALING OF NON-PICTURE- LEVEL SYNTAX ELEMENTS AT THE PICTURE LEVEL  
[54] SIGNALISATION D'ELEMENTS DE SYNTAXE NE FAISANT PAS PARTIE DU NIVEAU D'IMAGE AU NIVEAU D'IMAGE  
[72] HENDRY, FNU, US  
[72] WANG, YE-KUI, US  
[72] CHEN, JIANLE, US  
[71] HUAWEI TECHNOLOGIES CO., LTD., CN  
[85] 2022-03-23  
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| <p>[51] Int.Cl. E04H 12/10 (2006.01) E04H 12/34 (2006.01)</p> <p>[25] EN</p> <p>[54] BOLT CALIBRATED ANGLE MAINSTAY WALL CONNECTION SYSTEM AND METHOD FOR USE</p> <p>[54] SYSTEME DE LIAISON DE PAROI DE SUPPORT D'ANGLE ETALONNE PAR BOULON ET SON PROCEDE D'UTILISATION</p> <p>[72] CHAPMAN, BRANDON M., US</p> <p>[71] VALMONT INDUSTRIES, INC., US</p> <p>[85] 2022-03-23</p> <p>[86] 2020-10-15 (PCT/US2020/055661)</p> <p>[87] (WO2021/096627)</p> <p>[30] US (62/933,561) 2019-11-11</p>  | <p>[51] Int.Cl. B60T 7/22 (2006.01) B60W 30/09 (2012.01) B60W 50/14 (2020.01) B64F 1/32 (2006.01)</p> <p>[25] EN</p> <p>[54] AIRPORT VEHICLE HAVING AN ANTI-COLLISION SYSTEM AND METHOD FOR OPERATING A VEHICLE HAVING AN ANTI-COLLISION SYSTEM</p> <p>[54] VEHICULE D'AEROPORT DOTE D'UN SYSTEME ANTI-COLLISION ET PROCEDE DE FONCTIONNEMENT D'UN VEHICULE EQUIPE D'UN SYSTEME ANTI-COLLISION</p> <p>[72] VESTERGAARD, MARTIN, DK</p> <p>[72] GAARD ANDERSEN, JONAS, DK</p> <p>[72] BONDE, JENS, DK</p> <p>[71] POWER STOW INTERNATIONAL APS, DK</p> <p>[85] 2022-03-23</p> <p>[86] 2020-09-29 (PCT/IB2020/059105)</p> <p>[87] (WO2021/064573)</p> <p>[30] IB (PCT/IB2019/058289) 2019-09-30</p> | <p>[51] Int.Cl. A61K 31/42 (2006.01) A61K 31/422 (2006.01) A61K 31/495 (2006.01) C07D 239/52 (2006.01) C07D 263/02 (2006.01) C07D 263/30 (2006.01)</p> <p>[25] EN</p> <p>[54] HETEROARYL-BIPHENYL AMIDES FOR THE TREATMENT OF PD-L1 DISEASES</p> <p>[54] AMIDES HETEROARYLE-BIPHENYLE POUR LE TRAITEMENT DE MALADIES ASSOCIEES A PD-L1</p> <p>[72] FAN, PINGCHEN, US</p> <p>[72] LANGE, CHRISTOPHER W., US</p> <p>[72] LUI, REBECCA M., US</p> <p>[72] MCMURTRIE, DARREN J., US</p> <p>[72] SCAMP, RYAN J., US</p> <p>[72] YANG, JU, US</p> <p>[72] ZHANG, PENGLIE, US</p> <p>[72] ZENG, YIBIN, US</p> <p>[71] CHEMOCENTRYX, INC., US</p> <p>[85] 2022-03-23</p> <p>[86] 2020-10-15 (PCT/US2020/055672)</p> <p>[87] (WO2021/076691)</p> <p>[30] US (62/915,779) 2019-10-16</p> <p>[30] US (63/042,796) 2020-06-23</p> <p>[30] US (63/057,460) 2020-07-28</p> |

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 [25] EN  
 [54] SEQUENCE-LEVEL HRD PARAMETERS  
 [54] PARAMETRES DE HRD AU NIVEAU SEQUENCE  
 [72] WANG, YE-KUI, US  
 [71] HUAWEI TECHNOLOGIES CO., LTD., CN  
 [85] 2022-03-23  
 [86] 2020-09-08 (PCT/US2020/049723)  
 [87] (WO2021/061388)  
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[51] Int.Cl. C08G 59/68 (2006.01) C08G 65/10 (2006.01) F16L 55/165 (2006.01)  
 [25] EN  
 [54] A RESIN-COMPOSITION AND METHOD FOR CURING A LINER  
 [54] COMPOSITION DE RESINE ET PROCEDE DE DURCISSEMENT D'UNE DOUBLURE  
 [72] TALPADA, VINOD, DK  
 [71] RAPOLLO RESINS APS, DK  
 [85] 2022-03-23  
 [86] 2021-05-19 (PCT/EP2021/063318)  
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[51] Int.Cl. E21D 21/02 (2006.01) F16B 31/02 (2006.01)  
 [25] EN  
 [54] VISUAL INDICATOR FOR CORRECT TORSION OF A ROCK BOLT  
 [54] INDICATEUR VISUEL POUR CORRIGER LA TORSION D'UN BOULON D'ANCRAGE  
 [72] WEAVER, STEVEN, AU  
 [72] RATAJ, MIECZYSLAW, AU  
 [72] VALLATTI, OSVALDO, AU  
 [71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE  
 [71] SANDVIK MINING AND CONSTRUCTION AUSTRALIA PTY LTD, AU  
 [85] 2022-03-23  
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 [87] (WO2021/089353)  
 [30] EP (19208059.6) 2019-11-08

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[13] A1

[51] Int.Cl. B63B 19/00 (2006.01)  
 [25] FR  
 [54] UNDERWATER WINDOW, WITH THE SURFACE THEREOF ORIENTED TOWARDS THE INSIDE OF ITS ASSEMBLY STRUCTURE HAVING FACETS  
 [54] HUBLOT SUBAQUATIQUE DONT LA SURFACE ORIENTEE VERS L'INTERIEUR DE SA STRUCTURE DE MONTAGE EST A FACETTES  
 [72] MAYEUX, JEAN-BENOIT, FR  
 [72] TONDU, THOMAS, FR  
 [71] SAINT-GOBAIN GLASS FRANCE, FR  
 [85] 2022-03-23  
 [86] 2020-10-19 (PCT/EP2020/079317)  
 [87] (WO2021/078668)  
 [30] FR (FR1911804) 2019-10-22

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[13] A1

[51] Int.Cl. H01Q 1/22 (2006.01) H01Q 5/25 (2015.01) G06K 7/10 (2006.01) G07C 9/00 (2020.01) H01Q 1/00 (2006.01) H01Q 1/12 (2006.01) H01Q 1/42 (2006.01) H01Q 21/30 (2006.01)  
 [25] EN  
 [54] ULTRA-WIDE BAND ANTENNA CONFIGURATION FOR PHYSICAL ACCESS CONTROL SYSTEM  
 [54] CONFIGURATION D'ANTENNES A BANDE ULTRA-LARGE POUR SYSTEME DE CONTROLE D'ACCES PHYSIQUE  
 [72] PIRCH, HANS-JUERGEN, AT  
 [71] ASSA ABLOY AB, SE  
 [85] 2022-03-23  
 [86] 2020-09-22 (PCT/EP2020/076428)  
 [87] (WO2021/058479)  
 [30] US (62/906,342) 2019-09-26

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[13] A1

[51] Int.Cl. B60C 1/00 (2006.01) B60C 9/00 7/02 (2006.01)  
 [25] FR  
 [54] COMPOSITE COMPRISING SHORT FIBERS  
 [54] COMPOSITE COMPRENANT DES FIBRES COURTES  
 [72] GAVARD-LONCHAY, ODILE, FR  
 [72] THUILLIEZ, ANNE-LISE, FR  
 [71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR  
 [85] 2022-03-23  
 [86] 2020-10-15 (PCT/FR2020/051846)  
 [87] (WO2021/074539)  
 [30] FR (FR1911694) 2019-10-18

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[13] A1

[51] Int.Cl. B81C 1/00 (2006.01) B81C 3/00 (2006.01)  
 [25] EN  
 [54] SYSTEMS AND METHODS FOR MANUFACTURING CLOSED MICROFLUIDIC DEVICES  
 [54] SYSTEMES ET PROCEDES DE FABRICATION DE DISPOSITIFS MICROFLUIDIQUES FERMES  
 [72] AZIZGOLSHANI, HESHAM, US  
 [71] THE CHARLES STARK DRAPER LABORATORY INC., US  
 [85] 2022-03-23  
 [86] 2020-09-24 (PCT/US2020/052470)  
 [87] (WO2021/061966)  
 [30] US (62/905,665) 2019-09-25

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[21] 3,152,342

[13] A1

[51] Int.Cl. H04N 7/12 (2006.01) H04N 19/70 (2014.01)  
 [25] EN  
 [54] HRD PARAMETERS FOR LAYERS  
 [54] PARAMETRES HRD POUR COUCHES  
 [72] WANG, YE-KUI, US  
 [71] HUAWEI TECHNOLOGIES CO., LTD., CN  
 [85] 2022-03-23  
 [86] 2020-09-08 (PCT/US2020/049725)  
 [87] (WO2021/061389)  
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| <p style="text-align: right;"><b>[21] 3,152,346</b><br/>[13] A1</p> <p>[51] Int.Cl. A61K 38/04 (2006.01) A61K 38/07 (2006.01) A61K 38/24 (2006.01) A61P 7/04 (2006.01) C07K 5/10 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF TREATMENT FOR MODIFYING HEMODYNAMICS</p> <p>[54] PROCEDES DE TRAITEMENT POUR MODIFIER L'HEMODYNAMIQUE</p> <p>[72] PICKKERS, ROELOF PETER, NL</p> <p>[72] WENSVOORT, GERT, NL</p> <p>[71] EBI, ANTI SEPSIS B.V., NL</p> <p>[85] 2022-03-23</p> <p>[86] 2020-09-30 (PCT/NL2020/050605)</p> <p>[87] (WO2021/066649)</p> <p>[30] US (62/908,442) 2019-09-30</p> <p>[30] US (63/045,752) 2020-06-29</p> | <p style="text-align: right;"><b>[21] 3,152,349</b><br/>[13] A1</p> <p>[51] Int.Cl. H04L 47/6275 (2022.01) H04W 4/00 (2018.01)</p> <p>[25] EN</p> <p>[54] NEXT GENERATION GLOBAL SATELLITE SYSTEM WITH MEGA-CONSTELLATIONS</p> <p>[54] SYSTEME MONDIAL A SATELLITES DE PROCHAINE GENERATION AVEC MEGA-CONSTELLATIONS</p> <p>[72] RAVISHANKAR, CHANNASANDRA, US</p> <p>[72] GOPAL, RAJEEV, US</p> <p>[72] BENAMMAR, NASSIR, US</p> <p>[72] ZAKARIA, GAGUK, US</p> <p>[72] HUANG, XIAOLING, US</p> <p>[71] HUGHES NETWORK SYSTEMS, LLC, US</p> <p>[85] 2022-03-23</p> <p>[86] 2020-09-23 (PCT/US2020/052336)</p> <p>[87] (WO2021/061871)</p> <p>[30] US (62/904,594) 2019-09-23</p> | <p style="text-align: right;"><b>[21] 3,152,351</b><br/>[13] A1</p> <p>[51] Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITION FOR CULTURING REGULATORY T CELLS AND USE THEREOF</p> <p>[54] COMPOSITION POUR LA CULTURE DE LYMPHOCYTES T REGULATEURS ET SON UTILISATION</p> <p>[72] JANG, MYUNG HO, KR</p> <p>[72] HONG, CHUN-PYO, KR</p> <p>[72] KIM, CHEA HA, KR</p> <p>[72] KIM, HYE RI, KR</p> <p>[71] GI CELL, INC., KR</p> <p>[85] 2022-03-23</p> <p>[86] 2020-11-19 (PCT/KR2020/016382)</p> <p>[87] (WO2021/101273)</p> <p>[30] KR (10-2019-0149779) 2019-11-20</p> <p>[30] KR (10-2020-0033229) 2020-03-18</p> |

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  - [54] BASSIN DE MASSAGE GONFLABLE
  - [72] HUANG, SHUIYONG, CN
  - [71] BESTWAY INFLATABLES & MATERIAL CORP., CN
  - [85] 2022-03-23
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  - [54] AUTONOMOUS VEHICLE SENSOR INTERFACE
  - [54] INTERFACE DE CAPTEUR DE VEHICULE AUTONOME
  - [72] CHRISTIE, CAMERON DAVID, US
  - [72] GUNARATNE, ANURANGA SAJITH, US
  - [71] AURORA OPERATIONS, INC., US
  - [85] 2022-03-23
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  - [87] (WO2021/066876)
  - [30] US (16/588,940) 2019-09-30
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- [51] Int.Cl. H04N 5/93 (2006.01)
  - [25] EN
  - [54] SIMULCAST LAYERS FOR MULTIVIEW IN VIDEO CODING
  - [54] COUCHES DE DIFFUSION SIMULTANEE POUR UNE MULTIVUE DANS UN CODAGE VIDEO
  - [72] WANG, YE-KUI, US
  - [71] HUAWEI TECHNOLOGIES CO., LTD., CN
  - [85] 2022-03-23
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  - [54] MULTI-PART DEVICE
  - [54] DISPOSITIF EN PLUSIEURS PARTIES
  - [72] GLEIXNER, JOSEF, DE
  - [71] INOTECH KUNSTSTOFFTECHNIK GMBH, DE
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  - [25] EN
  - [54] BIOLOGICAL SAMPLE PROCESSING SYSTEM AND MICROFLUIDIC CARTRIDGE THEREFOR
  - [54] SYSTEME DE TRAITEMENT D'ECHANTILLON BIOLOGIQUE ET CARTOUCHE MICROFLUIDIQUE ASSOCIEE
  - [72] JORIS, PIERRE, CH
  - [72] EROGLU, DENIZ, CH
  - [72] DUPOUY, DIEGO, CH
  - [72] PELZ, BENJAMIN, CH
  - [72] AMMANN, MARCO, CH
  - [71] LUNAPHORE TECHNOLOGIES SA, CH
  - [85] 2022-03-23
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  - [54] HEAT-INSULATING SOUND-ABSORBING MATERIAL, AND PARTITION WALL
  - [54] MATERIAU ABSORBANT ACOUSTIQUE ISOLANT THERMIQUE, ET CLOISON
  - [72] YOKOO, YUJI, JP
  - [72] HASEGAWA, TOMOYA, JP
  - [72] SUGAYA, HIROYUKI, JP
  - [72] HAYASHI, YUKITERU, JP
  - [71] YOSHINO GYPSUM CO., LTD., JP
  - [85] 2022-03-24
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  - [30] JP (2019-177331) 2019-09-27
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- [25] EN
- [54] METHOD FOR PREPARING DISODIUM 5'-GUANYLATE HEPTAHYDRATE CRYSTAL
- [54] PROCEDE DE PREPARATION D'UN CRISTAL D'HEPTAHYDRATE DE 5'-GUANYLATE DISODIQUE
- [72] CHOI, JUNG HWA, KR
- [72] KIM, MIN JONG, KR
- [72] OH, CHANG YUB, KR
- [72] LIM, HWA YEON, KR
- [72] KANG, SEOK HYUN, KR
- [72] KIM, YU SHIN, KR
- [72] KANG, JI HUN, KR
- [72] KIM, IL CHUL, KR
- [72] YU, JAE HUN, KR
- [71] CJ CHEILJEDANG CORPORATION, KR
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- [54] CONSTRUCTIONS DE PROTEINE 1 CONTENANT UN DOMAINE D'ARRESTINE MINIMAL(AR RDC1)
- [72] WANG, QIYU, US
- [72] LU, QUAN, US
- [71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
- [85] 2022-03-24
- [86] 2020-09-25 (PCT/US2020/052784)
- [87] (WO2021/062196)
- [30] US (62/906,685) 2019-09-26

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- [54] SIGNALING OF PICTURE HEADER IN VIDEO CODING
- [54] SIGNALISATION D'EN-TETE D'IMAGE DANS UN CODAGE VIDEO
- [72] HENDRY, FNU, US
- [72] WANG, YE-KUI, US
- [72] CHEN, JIANLE, US
- [71] HUAWEI TECHNOLOGIES CO., LTD., CN
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- [30] US (62/905,150) 2019-09-24

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- [54] FILMS DE POLY(ACIDE GLUCURONIQUE)-CHITOSANE RETICULES THERMIQUEMENT DOTES DE PROPRIETES ELEVEES DE BARRIERE A L'OXYGENE ET A LA VAPEUR D'EAU
- [72] MEREDITH, JAMES CARSON III, US
- [72] SATAM, CHINMAY, US
- [71] GEORGIA TECH RESEARCH CORPORATION, US
- [85] 2022-03-24
- [86] 2020-09-30 (PCT/US2020/053432)
- [87] (WO2021/067372)
- [30] US (62/908,009) 2019-09-30

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- [54] SYSTEME DE NETTOYAGE POUR POMPE A MEMBRANE
- [72] ILONGO, EMMANUEL N., US
- [71] ABIOMED, INC., US
- [85] 2022-03-24
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- [25] EN
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- [54] PROCEDE DE PREPARATION D'UN INHIBITEUR DE KINASE DE TYPE RECEPTEUR DE L'ACTIVINE
- [72] HEINRICH, BRIAN, US
- [72] WILKIE, GORDON, US
- [72] SIEGEL, DOMINIK, CH
- [72] OHMER, HARALD, CH
- [71] BLUEPRINT MEDICINES CORPORATION, US
- [85] 2022-03-24
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- [54] INHIBITEURS DE LA QUINOLEINE DE RAD52 ET METHODES D'UTILISATION
- [72] MAZIN, ALEXANDER V., US
- [72] LAM, PATRICK Y. S., US
- [72] HANAMSHET, KRITIKA, US
- [72] PATEL, MIKIR SUNIL, US
- [72] DU, YANMING, US
- [72] HWANG, NICKY, US
- [71] DREXEL UNIVERSITY, US
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  - [54] CAO-ZRO<sub>2</sub> COMPOSITION, METHOD FOR PRODUCING CAO-ZRO<sub>2</sub> COMPOSITION, AND CAO-ZRO<sub>2</sub>-CONTAINING REFRACTORY MATERIAL AND CASTING NOZZLE
  - [54] COMPOSITION DE CAO-ZRO<sub>2</sub>, PROCEDE DE PRODUCTION DE COMPOSITION DE CAO-ZRO<sub>2</sub> AINSI QUE MATERIAU REFRACTAIRE CONTENANT DU CAO-ZRO<sub>2</sub> ET BUSE DE COULEE
  - [72] LI, LING, JP
  - [72] MORIKAWA, KATSUMI, JP
  - [72] SASAKI, AKINARI, JP
  - [72] MATSUMOTO, SHIGEFUMI, JP
  - [71] KROSAKIHARIMA CORPORATION, JP
  - [85] 2022-03-24
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  - [30] JP (2019-199208) 2019-10-31
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- [54] PRODUIT CANNABINOÏDE POUR AMELIORER LA SANTE MUSCULO-SQUELETTIQUE
- [72] OWEN, KEVIN, US
- [71] LONZA CONSUMER HEALTH INC., US
- [85] 2022-03-24
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  - [72] BOWE, STEVEN JOSEPH, US
  - [72] BANGARWA, SANJEEV KUMAR, US
  - [72] KRAPP, MICHAEL, DE
  - [71] BASF CORPORATION, US
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- [72] WANG, YE-KUI, US
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  - [72] MOORE, RANDY D., CA
  - [72] DI MARTINO, ELENA, CA
  - [72] FORNERIS, ARIANNA, CA
  - [71] VITAA MEDICAL SOLUTIONS INC., CA
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  - [72] CHEN, JIEFU, US
  - [72] SHAN, XIAONAN, US
  - [72] PAN, MIAO, US
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  - [71] UNIVERSITY OF HOUSTON SYSTEM, US
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  - [72] SAMA, BLAKE, US
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 [72] DRUKE, MICHAEL BERNARD, US  
 [72] LOH, ALAN E., US  
 [72] GAGNE, BRIAN, US  
 [71] NEUROSTIM TECHNOLOGIES LLC, US  
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 [72] FERRARA, MADDI, US  
 [72] JORDAN, TERRY D., US  
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 [71] SWIMC LLC, US  
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 [54] PROCEDE ET SYSTEME DE REGULATION POUR REGULER LA SORTIE D'UN COMPRESSEUR D'UN MOTEUR A TURBINE A GAZ  
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 [71] SOLAR TURBINES INCORPORATED, US  
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 [72] DELO, JAMIE, GB  
 [71] GREENEDEN U.S. HOLDINGS II, LLC, US  
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 [72] ROBERTS, RAYMOND, AU  
 [71] ADVANCED WETTING TECHNOLOGIES PTY LTD, AU  
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 [54] COMPOSE DE PYRIMIDINONE TETRACYCLIQUE, SON PROCEDE DE PREPARATION, SA COMPOSITION ET SON UTILISATION  
 [72] GU, ZHENGHUA, CN  
 [72] HU, YOUNGONG, CN  
 [72] XIAO, QIONG, CN  
 [71] NEUSCO BIOTECH LIMITED, CN  
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 [54] APPAREIL ET PROCEDE POUR MOULER DES PREFORMES DE BOUTEILLES  
 [72] ZOPPAS, MATTEO, IT  
 [72] CAVALET, ANDREA, IT  
 [72] SPINAZZE', PAOLO, IT  
 [72] VESCOVO, FEDERICO, IT  
 [71] S.I.P.A. SOCIETA' INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A., IT  
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| <p><b>[21] 3,152,469</b><br/>[13] A1</p> <p>[51] Int.Cl. B23K 35/30 (2006.01) B23K 35/02 (2006.01) C22C 38/04 (2006.01) C22C 38/44 (2006.01)</p> <p>[25] EN</p> <p>[54] WIRE ROD FOR WELDING RODS AND METHOD FOR MANUFACTURING SAME</p> <p>[54] TIGE DE FIL POUR TIGES DE SOUDAGE ET SON PROCEDE DE FABRICATION</p> <p>[72] LEE, BONG-KEUN, KR</p> <p>[72] CHUNG, SUNG-HOON, KR</p> <p>[71] POSCO, KR</p> <p>[85] 2022-03-24</p> <p>[86] 2020-10-06 (PCT/KR2020/013581)</p> <p>[87] (WO2021/075777)</p> <p>[30] KR (10-2019-0128586) 2019-10-16</p> |
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- [51] Int.Cl. C07D 257/06 (2006.01) A01N 43/80 (2006.01) A01N 43/836 (2006.01) C07D 285/08 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01)
  - [25] EN
  - [54] ALKENE-CONTAINING AMIDE COMPOUND AND USE THEREOF
  - [54] COMPOSE AMIDE CONTENANT UN ALCENE ET SON UTILISATION
  - [72] SUN, BING, CN
  - [72] YANG, HUIBIN, CN
  - [72] MA, HONGJUAN, CN
  - [72] YING, JUNWU, CN
  - [72] CUI, DONGLIANG, CN
  - [72] QIN, BO, CN
  - [72] LIANG, SHUANG, CN
  - [72] WANG, GANG, CN
  - [72] LU, ZHENGMAO, CN
  - [72] ZHANG, FAN, CN
  - [72] CHEN, LIN, CN
  - [72] PEI, HEYING, CN
  - [72] CHENG, YAN, CN
  - [72] WANG, MINGXIN, CN
  - [72] LI, BIN, CN
  - [71] SHENYANG SINOCHEM AGROCHEMICALS R&D CO., LTD., CN
  - [71] JIANGSU YANGNONG CHEMICAL CO., LTD., CN
  - [85] 2022-03-24
  - [86] 2020-09-30 (PCT/CN2020/119134)
  - [87] (WO2021/068816)
  - [30] CN (201910950934.4) 2019-10-08
  - [30] CN (202010174419.4) 2020-03-13
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[13] A1

- [51] Int.Cl. G06F 21/62 (2013.01)
- [25] EN
- [54] METHOD AND SYSTEM FOR SECURING PERSONALLY IDENTIFIABLE INFORMATION
- [54] PROCEDE ET SYSTEME DE SECURISATION D'INFORMATIONS PERSONNELLEMENT IDENTIFIABLES
- [72] REISKIND, ANDREW S., US
- [72] LOWENBERG, TODD CHRISTIAN, US
- [71] MASTERCARD INTERNANTIONAL INCORPORATED, US
- [85] 2022-03-24
- [86] 2020-08-14 (PCT/US2020/046298)
- [87] (WO2021/061295)
- [30] US (16/585,316) 2019-09-27

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[13] A1

- [51] Int.Cl. A61F 2/02 (2006.01)
  - [25] EN
  - [54] ATTRAUMATIC REMOVABLE CELL ENCAPSULATION DEVICES
  - [54] DISPOSITIFS D'ENCAPSULATION DE CELLULES AMOVIBLES ATTRAUMATIQUES
  - [72] CULLY, EDWARD H., US
  - [71] W. L. GORE & ASSOCIATES, INC., US
  - [85] 2022-03-24
  - [86] 2019-10-15 (PCT/US2019/056290)
  - [87] (WO2021/076105)
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- [51] Int.Cl. A61K 9/00 (2006.01) A61K 47/68 (2017.01) A61K 9/50 (2006.01) A61K 31/7084 (2006.01) A61K 38/00 (2006.01) A61K 47/02 (2006.01) A61K 47/26 (2006.01)
- [25] EN
- [54] EXTRACELLULAR VESICLE COMPOSITIONS
- [54] COMPOSITIONS DE VESICULES EXTRACELLULAIRES
- [72] O'NEIL, CONLIN, US
- [72] BOURDEAU, RAYMOND, US
- [72] HARRISON, RANE, US
- [72] DOHERTY, MIKE, US
- [72] NOYES, AARON, US
- [71] CODIAK BIOSCIENCES, INC., US
- [85] 2022-03-24
- [86] 2020-09-25 (PCT/US2020/052935)
- [87] (WO2021/062317)
- [30] US (62/906,018) 2019-09-25
- [30] US (62/906,485) 2019-09-26

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[13] A1

- [51] Int.Cl. A01G 23/00 (2006.01) E02F 9/20 (2006.01) F15B 21/08 (2006.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR CONTROL OF SILVICULTURAL EQUIPMENT
- [54] SYSTEME ET PROCEDE DE COMMANDE D'EQUIPEMENT SYLVICOLE
- [72] OLYNIK, JASON, CA
- [72] SIMATOVIC, DAVID, CA
- [71] TIGERCAT INDUSTRIES INC., CA
- [85] 2022-03-24
- [86] 2020-09-23 (PCT/CA2020/051276)
- [87] (WO2021/056107)
- [30] US (62/905,845) 2019-09-25

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[13] A1

- [51] Int.Cl. C08L 97/02 (2006.01) A61P 31/04 (2006.01) C08L 23/06 (2006.01) C08L 23/12 (2006.01)
  - [25] EN
  - [54] HEMP POLYMER MATERIALS AND METHODS OF MAKING SAME
  - [54] MATERIAUX POLYMERES ' BASE DE CHANVRE ET LEURS PROCEDES DE FABRICATION
  - [72] TUBBS, KEVIN, US
  - [72] ETTENSTON, FRANCINE, US
  - [72] BENHAIM, PAUL, AU
  - [72] DEAN, GREG, US
  - [71] THE HEMP PLASTIC COMPANY, US
  - [85] 2022-03-24
  - [86] 2020-09-29 (PCT/US2020/053286)
  - [87] (WO2021/067277)
  - [30] US (62/908,322) 2019-09-30
  - [30] US (62/908,360) 2019-09-30
  - [30] US (62/908,339) 2019-09-30
  - [30] US (62/908,351) 2019-09-30
  - [30] US (62/908,369) 2019-09-30
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[13] A1

- [51] Int.Cl. H04L 9/12 (2006.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR IMPROVING NETWORK PERFORMANCE WHEN USING SECURE DNS ACCESS SCHEMES
- [54] SYSTEME ET PROCEDE D'AMELIORATION DES PERFORMANCES D'UN RESEAU LORS DE L'UTILISATION DE SCHEMAS D'ACCES DNS SECURISES
- [72] RAMACHANDRAN, GANESHAN, US
- [72] TORRES, ROBERT, US
- [72] CHOQUETTE, GEORGE, US
- [71] HUGHES NETWORK SYSTEMS LLC, US
- [85] 2022-03-24
- [86] 2020-09-24 (PCT/US2020/052427)
- [87] (WO2021/061937)
- [30] US (16/583,004) 2019-09-25

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[13] A1

- [51] Int.Cl. D01F 1/10 (2006.01) D01D 1/02 (2006.01)  
 [25] EN  
**[54] IMPROVED FUNCTIONAL TEXTILES AND MANUFACTURING METHODS**  
**[54] TEXTILES FONCTIONNELS AMELIORES ET PROCEDES DE FABRICATION**  
 [72] HAGGQUIST, GREGORY, US  
 [71] COCONA, INC., US  
 [85] 2022-03-24  
 [86] 2020-09-28 (PCT/US2020/053133)  
 [87] (WO2021/062393)  
 [30] US (62/906,717) 2019-09-27
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[13] A1

- [51] Int.Cl. A61B 5/00 (2006.01) A61B 5/20 (2006.01)  
 [25] EN  
**[54] INTRA-VAGINAL RING WITH PRESSURE SENSOR**  
**[54] ANNEAU INTRA-VAGINAL AVEC CAPTEUR DE PRESSION**  
 [72] DE LAAT, WILHELMUS NICOLAAS GERARDUS, NL  
 [71] LIGALLI B.V., NL  
 [85] 2022-03-24  
 [86] 2020-10-09 (PCT/EP2020/078474)  
 [87] (WO2021/069699)  
 [30] EP (19202485.9) 2019-10-10
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- [51] Int.Cl. H04N 21/422 (2011.01)  
 [25] EN  
**[54] METHOD AND SYSTEM FOR IMPLEMENTING AN ELASTIC CLOUD-BASED VOICE SEARCH UTILIZED BY SET-TOP BOX (STB) CLIENTS**  
**[54] PROCEDE ET SYSTEME POUR METTRE EN OEUVRE UNE RECHERCHE VOCALE EN NUAGE ELASTIQUE UTILISEE PAR DES CLIENTS DE BOITIER DECODEUR (STB)**  
 [72] WILDE, JAMES, US  
 [72] SONI, ASHOK, US  
 [72] MCGINTY, HAWK, US  
 [72] SHULER, JAMES, US  
 [72] ZHANG, LIXING, US  
 [72] DISANTE, MICHAEL, US  
 [72] SEKHAR, NARAYANAN, US  
 [72] SUN, XIAOMEI, US  
 [72] YANG, XINHUA, US  
 [71] DISH NETWORK L.L.C., US  
 [85] 2022-03-24  
 [86] 2020-08-18 (PCT/US2020/046832)  
 [87] (WO2021/061304)  
 [30] US (62/906,316) 2019-09-26  
 [30] US (16/655,482) 2019-10-17
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- [51] Int.Cl. A61K 31/55 (2006.01) A61K 31/695 (2006.01) A61P 17/04 (2006.01) A61P 25/04 (2006.01) A61P 43/00 (2006.01) C07D 471/08 (2006.01) C07D 519/00 (2006.01) C07F 7/10 (2006.01)  
 [25] EN  
**[54] AZEPANE DERIVATIVE**  
**[54] DERIVE D'AZEPANE**  
 [72] WATANABE, YOSHIKAZU, JP  
 [72] SAITO, DAISUKE, JP  
 [72] HAYASHIDA, KOHEI, JP  
 [72] YAMAMOTO, KOHEI, JP  
 [72] NAMIKI, MAYU, JP  
 [72] MOGI, YUZO, JP  
 [72] YATA, MASAHIRO, JP  
 [71] NIPPON CHEMIPHAR CO., LTD., JP  
 [85] 2022-03-24  
 [86] 2020-09-29 (PCT/JP2020/036868)  
 [87] (WO2021/065898)  
 [30] JP (2019-179727) 2019-09-30
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[13] A1

- [51] Int.Cl. C09J 153/02 (2006.01) C09J 7/35 (2018.01) C09J 11/06 (2006.01) C09J 11/08 (2006.01)  
 [25] EN  
**[54] HOT MELT ADHESIVE COMPOSITION, ADHESIVE TAPE, AND METHOD FOR PRODUCING ADHESIVE TAPE**  
**[54] COMPOSITION D'ADHESIF THERMOFUSIBLE, ET RUBAN ADHESIF AINSI QUE PROCEDE DE FABRICATION DE CELUI-CI**  
 [72] YAMAMOTO, YOSHIAKI, JP  
 [72] KIMURA, AKIYOSHI, JP  
 [72] TATE, YOSUKE, JP  
 [72] MITSUNAGA, TOSHIKATSU, JP  
 [71] DENKA COMPANY LIMITED, JP  
 [85] 2022-03-24  
 [86] 2020-09-24 (PCT/JP2020/035980)  
 [87] (WO2021/065662)  
 [30] JP (2019-181606) 2019-10-01
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[13] A1

- [51] Int.Cl. B21D 31/00 (2006.01) B21D 39/03 (2006.01) B21J 9/00 (2006.01)  
 [25] EN  
**[54] PNEUMATIC TOOL**  
**[54] OUTIL PNEUMATIQUE**  
 [72] GABRIELSON, STEPHEN B., US  
 [72] NANDIVADA, SREELATHA, US  
 [72] GOLDEN, DAVID A., US  
 [71] ASC PROFILES LLC, US  
 [85] 2022-03-24  
 [86] 2020-11-13 (PCT/US2020/060457)  
 [87] (WO2021/101807)  
 [30] US (16/689,922) 2019-11-20

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[13] A1

- [51] Int.Cl. A61K 38/20 (2006.01) A61K 9/51 (2006.01) A61K 31/7084 (2006.01) A61P 35/00 (2006.01)
  - [25] EN
  - [54] STING AGONIST COMPRISING EXOSOMES COMBINED WITH IL-12 DISPLAYING EXOSOMES FOR TREATING A TUMOUR
  - [54] AGONISTE DE STING COMPRENANT DES EXOSOMES COMBINES A L'IL-12 PRESENTANT DES EXOSOMES POUR LE TRAITEMENT D'UNE TUMEUR
  - [72] LEWIS, NURUDDEEN, US
  - [72] SATHYANARAYANAN, SRIRAM, US
  - [71] CODIAK BIOSCIENCES, INC., US
  - [85] 2022-03-24
  - [86] 2020-09-24 (PCT/US2020/052587)
  - [87] (WO2021/062060)
  - [30] US (62/906,016) 2019-09-25
  - [30] US (63/066,605) 2020-08-17
  - [30] US (63/070,149) 2020-08-25
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[13] A1

- [51] Int.Cl. A61K 39/395 (2006.01)
- [25] EN
- [54] METHODS AND COMPOSITIONS FOR TREATING DIABETIC RETINOPATHY
- [54] METHODES ET COMPOSITIONS DE TRAITEMENT DE LA RETINOPATHIE DIABETIQUE
- [72] KOLESNICK, RICHARD, US
- [72] BUSIK, JULIA, US
- [71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
- [71] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
- [85] 2022-03-24
- [86] 2020-09-28 (PCT/US2020/053046)
- [87] (WO2021/062355)
- [30] US (62/907,287) 2019-09-27

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[13] A1

- [51] Int.Cl. F16L 55/48 (2006.01)
  - [25] EN
  - [54] PIPE TRAVERSING APPARATUS, SENSING, AND CONTROLS
  - [54] COMMANDES, DETECTION ET APPAREIL DE TRAVERSEE DE tuyau
  - [72] WEHLIN, KARL PETTER, US
  - [72] DUERFELDT, BRYAN R., US
  - [72] GEORGE, CONNOR S., US
  - [72] ZARGARZADEH, HASSAN, US
  - [72] LIU, DIANNA D., US
  - [71] ARIX TECHNOLOGIES, INC., US
  - [85] 2022-03-24
  - [86] 2020-09-25 (PCT/US2020/052753)
  - [87] (WO2021/062175)
  - [30] US (62/906,910) 2019-09-27
  - [30] US (63/042,886) 2020-06-23
  - [30] US (63/063,769) 2020-08-10
  - [30] US (17/032,771) 2020-09-25
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[13] A1

- [51] Int.Cl. B66D 5/32 (2006.01) B66D 1/40 (2006.01)
- [25] EN
- [54] AUTO LOCK CABLE LIFTER
- [54] DISPOSITIF DE LEVAGE DE CABLE A VERROUILLAGE AUTOMATIQUE
- [72] NGUYEN, NHON HOA, AU
- [71] NGUYEN, NHON HOA, AU
- [85] 2022-03-25
- [86] 2019-10-05 (PCT/IB2019/058501)
- [87] (WO2020/070726)
- [30] US (62/741,555) 2018-10-05

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[13] A1

- [51] Int.Cl. G01N 33/48 (2006.01) G16B 25/10 (2019.01) C12Q 1/68 (2018.01) C40B 30/00 (2006.01) C40B 40/10 (2006.01) C07K 14/47 (2006.01)
  - [25] EN
  - [54] COMPOSITIONS AND METHODS FOR DIAGNOSIS OF PERIPHERAL ARTERIAL DISEASE
  - [54] COMPOSITIONS ET METHODES DE DIAGNOSTIC D'UNE MALADIE ARTERIELLE PERIPHERIQUE
  - [72] QADURA, MOHAMMAD, CA
  - [71] UNITY HEALTH TORONTO, CA
  - [85] 2022-03-25
  - [86] 2020-09-25 (PCT/CA2020/051287)
  - [87] (WO2021/056118)
  - [30] US (62/906,984) 2019-09-27
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[13] A1

- [51] Int.Cl. A61K 31/4245 (2006.01) A61P 35/00 (2006.01) C07D 413/04 (2006.01)
- [25] EN
- [54] ISOXAZOLE-3-CARBOXAMIDE DERIVATIVES AND THEIR USE FOR TREATMENT OF DISEASES CAUSED BY VIRUS INFECTION
- [54] DERIVES D'ISOXAZOLE-3-CARBOXAMIDE ET LEUR UTILISATION POUR LE TRAITEMENT DE MALADIES PROVOQUEES PAR UNE INFECTION VIRALE
- [72] MAKAROV, VADIM, RU
- [72] SCHMIDTKE, MICHAELA, DE
- [72] EKINS, SEAN, US
- [71] CIPO, CA
- [71] COLLABORATIONS PHARMACEUTICALS, INC., US
- [71] UNIVERSITAETSKLINIKUM JENA, DE
- [85] 2022-03-25
- [86] 2020-09-25 (PCT/US2020/052773)
- [87] (WO2021/062189)
- [30] US (62/907,231) 2019-09-27
- [30] US (62/950,546) 2019-12-19

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[21] 3,152,536

[13] A1

[51] Int.Cl. G07C 11/00 (2006.01) G07C  
13/00 (2006.01) G06F 21/32 (2013.01)

[25] EN

[54] METHOD AND SYSTEM FOR  
REMOTE VOTER IDENTITY  
VERIFICATION AND LIVENESS  
DETECTION IN AN ONLINE  
VOTING SYSTEM

[54] PROCEDE ET SYSTEME DE  
VERIFICATION D'IDENTITE DE  
VOTANT A DISTANCE ET DE  
DETECTION DU VIVANT DANS  
UN SYSTEME DE VOTE EN  
LIGNE

[72] HEUMAN, MATTHEW, CA

[71] HEUMAN, MATTHEW, CA

[85] 2022-03-25

[86] 2020-09-24 (PCT/CA2020/051280)

[87] (WO2021/056111)

[30] US (62/905,709) 2019-09-25

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[21] 3,152,550

[13] A1

[51] Int.Cl. A61B 18/24 (2006.01) A61M  
25/10 (2013.01)

[25] EN

[54] SHEATH OR CATHETER WITH  
DILATOR FOR TRANSSEPTAL  
PUNCTURE VISUALIZATION  
AND PERFORATION, AND  
METHOD OF USE THEREOF

[54] GAINE OU CATHETER POURVU  
D'UN DILATATEUR POUR LA  
VISUALISATION ET LA  
PERFORATION D'UNE  
PONCTION TRANSSEPTALE ET  
PROCEDE D'UTILISATION  
CORRESPONDANT

[72] BATAILLE, OLIVIER, CA

[71] NORTH STAR MEDICAL INC., CA

[85] 2022-03-25

[86] 2020-09-29 (PCT/CA2020/051296)

[87] (WO2021/062529)

[30] US (62/907,790) 2019-09-30

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[21] 3,152,551

[13] A1

[51] Int.Cl. C02F 1/467 (2006.01) A01G  
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A01N 59/16 (2006.01) A01N 59/20  
(2006.01) A01P 1/00 (2006.01) C02F  
1/46 (2006.01) C02F 1/461 (2006.01)  
C02F 1/78 (2006.01) C02F 9/06  
(2006.01) C05G 1/00 (2006.01)

[25] EN

[54] SYSTEMS AND METHODS FOR  
HYDROPONIC CULTURE  
WITHOUT PESTICIDES TO  
REPRESS WATER BORN  
PATHOGEN

[54] SYSTEMES ET PROCEDES DE  
CULTURE HYDROPONIQUE  
SANS PESTICIDES PERMETTANT  
DE PREVENIR L'APPARITION  
D'UN AGENT PATHOGENE EN  
SUSPENSION DANS L'EAU

[72] LOISEAU, JULIEN, CA

[72] LAPRISE, JEAN, CA

[72] GIUNTA, RICHARD, CA

[71] LBM AGTECH, CA

[85] 2022-03-25

[86] 2021-03-12 (PCT/IB2020/059019)

[87] (3152551)

[30] US (62/906,788) 2019-09-27

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[21] 3,152,553

[13] A1

[51] Int.Cl. G08B 5/22 (2006.01) G01V  
3/00 (2006.01) G01V 3/04 (2006.01)  
G01V 3/06 (2006.01)

[25] EN

[54] SCANNER FOR  
DIFFERENTIATING OBJECTS  
DETECTED BEHIND AN OPAQUE  
SURFACE

[54] DISPOSITIF DE BALAYAGE  
PERMETTANT DE  
DIFFERENCIER DES OBJETS  
DETECTES DERRIERE UNE  
SURFACE OPAQUE

[72] STAUSS, JOHN ROBERT, US

[71] ZIRCON CORPORATION, US

[85] 2022-03-25

[86] 2020-11-03 (PCT/US2020/058677)

[87] (WO2021/108091)

[30] US (16/698,751) 2019-11-27

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[21] 3,152,554

[13] A1

[51] Int.Cl. C12Q 1/6883 (2018.01) C12Q  
1/6881 (2018.01)

[25] EN

[54] METHODS AND APPARATUS FOR  
IDENTIFYING ORGAN/TISSUE  
HEALTH STATUS USING  
TRANSCRIPTOMICS ANALYSIS  
OF LIQUID BIOPSY SAMPLES

[54] PROCEDES ET APPAREIL  
PERMETTANT D'IDENTIFIER  
L'ETAT DE SANTE D'UN  
ORGANE/TISSU A L'AIDE D'UNE  
ANALYSE DU TRANSCRIPTOME  
D'ECHANTILLONS DE BIOPSIE  
LIQUIDE

[72] ROSTAMI-HODJEGAN, AMIN, US

[72] ACHOUR, BRAHIM, US

[72] SMITH, PATRICK, US

[71] CERTARA USA, INC., US

[85] 2022-03-25

[86] 2020-09-23 (PCT/US2020/052208)

[87] (WO2021/061765)

[30] US (62/905,952) 2019-09-25

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[21] 3,152,555

[13] A1

[51] Int.Cl. A61F 2/02 (2006.01)

[25] EN

[54] CELL ENCAPSULATION DEVICES

[54] DISPOSITIFS D'ENCAPSULATION  
DE CELLULES

[72] SCOTTI, CHRISTINE M., US

[72] CULLY, EDWARD H., US

[71] W.L. GORE & ASSOCIATES, INC.,  
US

[85] 2022-03-25

[86] 2020-10-09 (PCT/US2020/054980)

[87] (WO2021/072190)

[30] US (62/913,549) 2019-10-10

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**[21] 3,152,556**  
[13] A1

[51] Int.Cl. B29C 45/78 (2006.01)  
[25] EN  
[54] ARTIFICIAL INTELLIGENCE-BASED INJECTION MOLDING SYSTEM AND METHOD FOR CREATING MOLDING CONDITIONS  
[54] SYSTEME DE MOULAGE PAR INJECTION BASE SUR L'INTELLIGENCE ARTIFICIELLE ET PROCEDE POUR LA CREATION DE CONDITIONS DE MOULAGE  
[72] YU, HYEON JAE, KR  
[72] PARK, KYONG HO, KR  
[72] SALOV, ANDREY, KR  
[72] LEE, SEUNG CHUL, KR  
[72] LEE, CHI HUN, KR  
[71] LS MTRON LTD., KR  
[85] 2022-03-25  
[86] 2020-11-03 (PCT/KR2020/015202)  
[87] (WO2021/091191)  
[30] KR (10-2019-0142773) 2019-11-08  
[30] KR (10-2020-0141748) 2020-10-29

**[21] 3,152,559**  
[13] A1

[51] Int.Cl. G16C 20/30 (2019.01) G16B 5/00 (2019.01)  
[25] EN  
[54] METHODS AND APPARATUS FOR GENERATING A VIRTUAL MODEL OF XENOBIOTIC EXPOSURE USING TRANSCRIPTOMICS ANALYSIS OF LIQUID BIOPSY SAMPLES  
[54] PROCEDES ET APPAREIL POUR GENERER UN MODELE VIRTUEL D'EXPOSITION A DES COMPOSES XENOBIOTIQUES A L'AIDE D'UNE ANALYSE TRANSCRIPTOMIQUE D'ECHANTILLONS DE BIOPSIE DE LIQUIDES  
[72] ROSTAMI-HODJEGAN, AMIN, US  
[72] ACHOUR, BRAHIM, US  
[71] CERTARA USA, INC., US  
[85] 2022-03-25  
[86] 2020-09-23 (PCT/US2020/052261)  
[87] (WO2021/061804)  
[30] US (62/905,885) 2019-09-25

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[13] A1

[51] Int.Cl. C08J 11/00 (2006.01) A61P 31/04 (2006.01) C08J 5/18 (2006.01) C08L 23/06 (2006.01) C08L 23/12 (2006.01) C08L 97/02 (2006.01)  
[25] EN  
[54] ANTIMICROBIAL HEMP POLYMER MATERIALS AND METHODS OF MAKING SAME  
[54] MATERIAUX POLYMERES DE CHANVRE ANTIMICROBIENS ET LEURS PROCEDES DE FABRICATION  
[72] TUBBS, KEVIN, US  
[72] ETTERSON, FRANCINE, US  
[72] BENHAIM, PAUL, AU  
[72] DEAN, GREG, US  
[71] THE HEMP PLASTIC COMPANY, US  
[85] 2022-03-25  
[86] 2020-09-29 (PCT/US2020/053292)  
[87] (WO2021/067281)  
[30] US (62/908,322) 2019-09-30  
[30] US (62/908,360) 2019-09-30  
[30] US (62/908,339) 2019-09-30  
[30] US (62/908,351) 2019-09-30  
[30] US (62/908,369) 2019-09-30

**[21] 3,152,558**  
[13] A1

[51] Int.Cl. C10M 141/06 (2006.01) C10M 141/10 (2006.01)  
[25] EN  
[54] LUBRICATING COMPOSITIONS AND METHODS OF OPERATING AN INTERNAL COMBUSTION ENGINE  
[54] COMPOSITIONS LUBRIFIANTES ET PROCEDES DE FONCTIONNEMENT D'UN MOTEUR A COMBUSTION INTERNE  
[72] JONES, CRAIG J., GB  
[72] MCDERMOTT, BEN, GB  
[72] BREWSTER, ALEX, GB  
[72] JONES, JOANNE L., GB  
[72] DELBRIDGE, EWAN E., US  
[71] THE LUBRIZOL CORPORATION, US  
[85] 2022-03-25  
[86] 2020-09-24 (PCT/US2020/052494)  
[87] (WO2021/061986)  
[30] US (62/906,130) 2019-09-26

**[21] 3,152,562**  
[13] A1

[51] Int.Cl. C08J 11/00 (2006.01) A61P 31/04 (2006.01) C08J 5/18 (2006.01) C08L 23/06 (2006.01) C08L 23/12 (2006.01) C08L 97/02 (2006.01)  
[25] EN  
[54] HEMP POLYMER MATERIALS WITH AN ADDITIVE AND METHODS OF MAKING SAME  
[54] MATERIAUX POLYMERES DE CHANVRE AVEC UN ADDITIF ET LEURS PROCEDES DE FABRICATION  
[72] TUBBS, KEVIN, US  
[72] ETTERSON, FRANCINE, US  
[72] BENHAIM, PAUL, AU  
[72] DEAN, GREG, US  
[71] THE HEMP PLASTIC COMPANY, US  
[85] 2022-03-25  
[86] 2020-09-29 (PCT/US2020/053291)  
[87] (WO2021/067280)  
[30] US (62/908,360) 2019-09-30  
[30] US (62/908,322) 2019-09-30  
[30] US (62/908,339) 2019-09-30  
[30] US (62/908,351) 2019-09-30  
[30] US (62/908,369) 2019-09-30

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[51] Int.Cl. C10M 163/00 (2006.01) C10M 133/44 (2006.01) C10M 139/00 (2006.01) C10M 141/12 (2006.01) C10M 159/24 (2006.01)  
[25] EN  
[54] LUBRICATING COMPOSITIONS AND METHODS OF OPERATING AN INTERNAL COMBUSTION ENGINE  
[54] COMPOSITIONS LUBRIFIANTES ET PROCEDES DE FONCTIONNEMENT D'UN MOTEUR A COMBUSTION INTERNE  
[72] JONES, CRAIG J., GB  
[72] MCDERMOTT, BEN, GB  
[72] BREWSTER, ALEX, GB  
[72] JONES, JOANNE L., GB  
[72] DELBRIDGE, EWAN E., US  
[71] THE LUBRIZOL CORPORATION, US  
[85] 2022-03-25  
[86] 2020-09-23 (PCT/US2020/052265)  
[87] (WO2021/061808)  
[30] US (62/906,129) 2019-09-26

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| <p>[21] <b>3,152,566</b><br/>[13] A1</p> <p>[51] Int.Cl. A63C 11/02 (2006.01)</p> <p>[25] EN</p> <p>[54] WHEELS ON SKIS FOR TRANSPORTATION</p> <p>[54] ROUES SUR SKIS POUR LE TRANSPORT</p> <p>[72] KUHN, AMIRA, US<br/>[72] AESCHLIMANN, MARCEL, CH<br/>[72] IANNUCCI, KILIAN, CH<br/>[72] SOTTAS, LOIC, CH<br/>[72] PETIT, AURELIE, CH<br/>[71] KUHN, AMIRA, US<br/>[85] 2022-03-25<br/>[86] 2018-09-30 (PCT/IB2018/057601)<br/>[87] (WO2020/065385)</p> |
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| <p>[21] <b>3,152,568</b><br/>[13] A1</p> <p>[51] Int.Cl. G07C 5/08 (2006.01) B60W 40/02 (2006.01) B60W 40/08 (2012.01) G07C 5/00 (2006.01) G07C 5/02 (2006.01)</p> <p>[25] EN</p> <p>[54] AFTER-MARKET VEHICLE COPILOT DEVICE</p> <p>[54] DISPOSITIF COPILOTE DE VEHICULE EN SECONDE MONTE</p> <p>[72] LEE, MINSOO, US<br/>[72] BISONN, LEVI, US<br/>[72] CHO, YOUNGCHAN, US<br/>[71] BLUEBOX LABS, INC., US<br/>[85] 2022-03-25<br/>[86] 2020-09-25 (PCT/US2020/052810)<br/>[87] (WO2021/062216)<br/>[30] US (62/907,533) 2019-09-27<br/>[30] US (17/028,751) 2020-09-22</p> |
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| <p>[21] <b>3,152,569</b><br/>[13] A1</p> <p>[51] Int.Cl. E04F 21/18 (2006.01)</p> <p>[25] EN</p> <p>[54] SIDING TOOL</p> <p>[54] OUTIL DE BARDAGE</p> <p>[72] RASMUSSEN, CHAD, US<br/>[72] EVANS, STEVEN, US<br/>[71] CHADILLAC 10 SIDING TOOL LLC, US<br/>[85] 2022-03-25<br/>[86] 2021-02-27 (PCT/US2021/020137)<br/>[87] (WO2021/174154)<br/>[30] US (62/983,150) 2020-02-28<br/>[30] US (17/087,387) 2020-11-02</p> |
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| <p>[21] <b>3,152,570</b><br/>[13] A1</p> <p>[51] Int.Cl. H04W 72/04 (2009.01) H04W 72/12 (2009.01) H04W 72/14 (2009.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR AUTOMATIC CAMERA INSTALLATION GUIDANCE (CIG)</p> <p>[54] SYSTEMES ET PROCEDES DE GUIDAGE AUTOMATIQUE D'INSTALLATION PAR CAMERA (CIG)</p> <p>[72] ZHANG, YAN, US<br/>[72] O'CONNELL, KEVIN J., US<br/>[72] WILLIAMS, JAY J., US<br/>[72] WANG, LICHEN, US<br/>[71] ZEBRA TECHNOLOGIES CORPORATION, US<br/>[85] 2022-03-25<br/>[86] 2020-09-15 (PCT/US2020/050859)<br/>[87] (WO2021/086505)<br/>[30] US (16/670,446) 2019-10-31</p> |
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| <p>[21] <b>3,152,572</b><br/>[13] A1</p> <p>[51] Int.Cl. G06K 7/10 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR USER CHOICE OF BARCODE SCANNING RANGE</p> <p>[54] SYSTEMES ET PROCEDES DE CHOIX PAR L'UTILISATEUR D'UNE ETENDUE DE BALAYAGE DE CODE A BARRES</p> <p>[72] WANG, DAYOU, US<br/>[72] CHEN, EDWARD, US<br/>[72] VINOGRADOV, IGOR, US<br/>[71] ZEBRA TECHNOLOGIES CORPORATION, US<br/>[85] 2022-03-25<br/>[86] 2020-09-16 (PCT/US2020/051052)<br/>[87] (WO2021/086508)<br/>[30] US (16/672,008) 2019-11-01</p> |
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| <p>[21] <b>3,152,573</b><br/>[13] A1</p> <p>[51] Int.Cl. G01N 21/31 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS FOR QUANTIFICATION OF CARBOHYDRATES</p> <p>[54] PROCEDES DE QUANTIFICATION DE GLUCIDES</p> <p>[72] BURKI, RAJENDAR, IN<br/>[72] MATUR, RAMESH VENKAT, IN<br/>[72] MANTENA, NARENDER DEV, IN<br/>[72] DATLA, MAHIMA, IN<br/>[71] BIOLOGICAL E LIMITED, IN<br/>[85] 2022-03-25<br/>[86] 2020-09-30 (PCT/IN2020/050841)<br/>[87] (WO2021/064748)<br/>[30] IN (201941039796) 2019-10-01</p> |
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  - [25] EN
  - [54] DERIVATIVES OF MENTHOL AND USES THEREOF
  - [54] DERIVES DE MENTHOL ET LEURS UTILISATIONS
  - [72] KLUMPP, DOUGLAS A., US
  - [72] KLUMPP, RACHEL A., US
  - [72] LIVERIS, ZACHARY, US
  - [72] STENTZEL, MICHAEL, US
  - [72] SOBEL, ROBERT M., US
  - [72] KOKKINIDOU, SMARO G., US
  - [71] BOARD OF TRUSTEES OF NORTHERN ILLINOIS UNIVERSITY, US
  - [71] FONA TECHNOLOGIES, LLC, US
  - [85] 2022-03-25
  - [86] 2020-09-29 (PCT/US2020/053323)
  - [87] (WO2021/067301)
  - [30] US (62/908,344) 2019-09-30
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[13] A1

- [51] Int.Cl. G01B 7/14 (2006.01) G01C 15/00 (2006.01) G01D 11/24 (2006.01) G01D 11/28 (2006.01) G01R 19/00 (2006.01) G08B 5/36 (2006.01)
- [25] EN
- [54] SCANNER FOR DETECTING OBJECTS BEHIND AN OPAQUE SURFACE
- [54] DISPOSITIF DE BALAYAGE PERMETTANT LA DETECTION D'OBJETS DERRIERE UNE SURFACE OPAQUE
- [72] CHEN, CHIEN-HSU, US
- [71] ZIRCON CORPORATION, US
- [85] 2022-03-25
- [86] 2020-09-22 (PCT/US2020/051941)
- [87] (WO2021/067065)
- [30] US (16/587,523) 2019-09-30

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[13] A1

- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01)
  - [25] EN
  - [54] STAINLESS STEEL CAN FOR PRESSURISED METERED DOSE INHALERS
  - [54] BOITE EN ACIER INOXYDABLE POUR INHALATEURS DOSEURS SOUS PRESSION
  - [72] ZAMBELLI, ENRICO, IT
  - [72] BONELLI, SAURO, IT
  - [72] COPELLI, DIEGO, IT
  - [72] DAGLI ALBERI, MASSIMILIANO, IT
  - [72] USBERTI, FRANCESCA, IT
  - [71] CHIESI FARMACEUTICI S.P.A., IT
  - [85] 2022-03-25
  - [86] 2019-12-02 (PCT/EP2019/083347)
  - [87] (WO2021/110239)
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[13] A1

- [51] Int.Cl. A61K 31/16 (2006.01) A61K 47/55 (2017.01) A61K 31/404 (2006.01) C07C 259/06 (2006.01)
- [25] EN
- [54] SELECTIVE HISTONE DEACETYLASE (HDAC) DEGRADERS AND METHODS OF USE THEREOF
- [54] AGENTS DE DEGRADATION SELECTIF DE L'HISTONE DEACETYLASE (HDAC) ET LEURS PROCEDES D'UTILISATION
- [72] FISCHER, ERIC S., US
- [72] XIONG, YUAN, US
- [72] DONOVAN, KATHERINE, US
- [72] ELEUTERI, NICHOLAS, US
- [71] DANA-FARBER CANCER INSTITUTE, INC., US
- [85] 2022-03-25
- [86] 2020-11-05 (PCT/US2020/059111)
- [87] (WO2021/092174)
- [30] US (62/931,533) 2019-11-06

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[13] A1

- [51] Int.Cl. G06F 16/953 (2019.01) G06Q 10/08 (2012.01) G06Q 30/00 (2012.01)
  - [25] EN
  - [54] SEARCH RESULT RANKING ACCORDING TO INVENTORY INFORMATION
  - [54] CLASSEMENT DE RESULTATS DE RECHERCHE SELON DES INFORMATIONS D'INVENTAIRE
  - [72] ABEER, MUHAMMAD, US
  - [72] VITHALANI, BHAVIN, US
  - [71] HOME DEPOT INTERNATIONAL, INC., US
  - [85] 2022-03-25
  - [86] 2020-09-14 (PCT/US2020/050700)
  - [87] (WO2021/061432)
  - [30] US (16/584,447) 2019-09-26
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[13] A1

- [51] Int.Cl. C07D 487/04 (2006.01) C07D 471/04 (2006.01)
- [25] EN
- [54] PYRAZOLOPYRIDINE COMPOUNDS AS SELECTIVE BTK KINASE INHIBITORS
- [54] COMPOSES DE PYRAZOLOPYRIDINE UTILES EN TANT QU'INHIBITEURS SELECTIFS DE LA BTK KINASE
- [72] SHEN, CHUNLI, CN
- [72] WEI, XIAWEI, CN
- [72] WU, CHENGDE, CN
- [72] HU, GUOPING, CN
- [72] JIANG, NING, CN
- [72] ZHENG, WEI, CN
- [72] LI, JIAN, CN
- [72] CHEN, SHUHUI, CN
- [71] JUMBO DRUG BANK CO., LTD., CN
- [85] 2022-03-25
- [86] 2020-09-25 (PCT/CN2020/117690)
- [87] (WO2021/057893)
- [30] CN (201910919180.6) 2019-09-26
- [30] CN (202010330226.3) 2020-04-24

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[13] A1

- [51] Int.Cl. H04L 9/08 (2006.01) H04L 9/12 (2006.01) H04L 9/32 (2006.01)
  - [25] EN
  - [54] PRUNING ENTRIES IN TAMPER-EVIDENT DATA STORES
  - [54] ELAGAGE D'ENTREES DANS DES MEMOIRES DE DONNEES INVIOABLES
  - [72] SCHVEY, JEFFREY, US
  - [72] RABANCA, GEORGE, US
  - [72] THUNDIL, JOBY, US
  - [72] DILLON, JOSH, US
  - [71] SCHVEY, INC. D/B/A/ AXONI, US
  - [85] 2022-03-25
  - [86] 2020-09-25 (PCT/US2020/052914)
  - [87] (WO2021/062299)
  - [30] US (62/907,271) 2019-09-27
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[13] A1

- [51] Int.Cl. A23G 3/34 (2006.01) A23P 20/10 (2016.01) A61K 9/28 (2006.01)
- [25] EN
- [54] TITANIUM DIOXIDE FREE WHITE FILM COATING COMPOSITION, PROCESS FOR PREPARING THE SAME AND METHOD OF USE THEREOF
- [54] COMPOSITION DE REVETEMENT DE FILM BLANC SANS DIOXYDE DE TITANE, PROCEDE DE PREPARATION DE CELLE-CI ET PROCEDE D'UTILISATION
- [72] KARAN, KAPISH, US
- [72] HACH, RONALD, US
- [71] HERCULES LLC, US
- [85] 2022-03-25
- [86] 2020-09-25 (PCT/US2020/052724)
- [87] (WO2021/062158)
- [30] US (62/907,531) 2019-09-27

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[13] A1

- [51] Int.Cl. A61K 31/426 (2006.01) A61P 5/00 (2006.01) C07D 277/42 (2006.01)
- [25] EN
- [54] CRF RECEPTOR ANTAGONISTS AND METHODS OF USE
- [54] ANTAGONISTES DU RECEPTEUR CRF ET METHODES D'UTILISATION
- [72] SMITH, EVAN, US
- [72] LUO, SHA, US
- [72] LOEWEN, GORDON RAPHAEL, US
- [72] ASHWEEK, NEIL J., US
- [72] WILLIAMS, JOHN P., US
- [71] NEUROCRINE BIOSCIENCES, INC., US
- [85] 2022-03-25
- [86] 2020-09-25 (PCT/US2020/052851)
- [87] (WO2021/062246)
- [30] US (62/906,967) 2019-09-27

[21] **3,152,592**  
[13] A1

- [51] Int.Cl. A21D 13/41 (2017.01) A21B 1/48 (2006.01) A21C 9/04 (2006.01) A21C 9/08 (2006.01)
- [25] EN
- [54] FLEXIBLE AUTOMATIC FOOD PROCESSING AND CLIENT ORDERS EXECUTION MACHINE
- [54] MACHINE AUTOMATIQUE FLEXIBLE DE TRANSFORMATION D'ALIMENTS ET D'EXECUTION DE COMMANDES CLIENTS
- [72] SHARAPOV, ROMAN, RU
- [72] RODIONOV, DENIS, US
- [71] X ROBOTICS, INC, US
- [85] 2022-03-25
- [86] 2020-09-27 (PCT/US2020/052982)
- [87] (WO2021/062343)
- [30] US (62/907,483) 2019-09-27
- [30] US (63/065,447) 2020-08-13

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[13] A1

- [51] Int.Cl. A61K 9/52 (2006.01) A61K 9/66 (2006.01) A61K 31/135 (2006.01) A61P 25/24 (2006.01)
- [25] EN
- [54] LONG-ACTING INJECTABLE FORMULATIONS OF KETAMINE PAMOATE SALTS
- [54] FORMULATIONS INJECTABLES A ACTION PROLONGEE DE SELS DE PAMOATE DE KETAMINE
- [72] LIN, TONG-HO, CN
- [72] WEN, YUNG-SHUN, CN
- [72] CHEN, CHIA-HSIEN, CN
- [72] LIU, YING-TING, CN
- [72] HOU, RUI-ZHI, CN
- [72] WU, ZHI-RONG, CN
- [71] ALAR PHARMACEUTICALS INC., CN
- [85] 2022-03-25
- [86] 2020-12-18 (PCT/CN2020/137496)
- [87] (WO2021/121366)
- [30] US (62/951,061) 2019-12-20

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[13] A1

- [51] Int.Cl. C12N 7/00 (2006.01) A61K 48/00 (2006.01) A61P 7/04 (2006.01)
- [25] EN
- [54] LENTIVIRAL VECTOR FORMULATIONS
- [54] FORMULATIONS DE VECTEUR LENTIVIRAL
- [72] KROETSCH, ANDREW, US
- [72] ZARRAGA, ISIDRO, US
- [71] BIOVERATIV THERAPEUTICS INC., US
- [71] FONDAZIONE TELETHON, IT
- [71] OSPEDALE SAN RAFFAELE S.R.L., IT
- [85] 2022-03-25
- [86] 2020-09-30 (PCT/US2020/053463)
- [87] (WO2021/067389)
- [30] US (62/908,390) 2019-09-30

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[13] A1

- [51] Int.Cl. C07D 223/16 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/32 (2006.01)
  - [25] EN
  - [54] AMIDE-LINKED, AMINOBENZAZEPINE IMMUNOCONJUGATES, AND USES THEREOF
  - [54] IMMUNOCONJUGUES D'AMINOBENZAZEPINE LIES A DES AMIDES ET LEURS UTILISATIONS
  - [72] KUDIRKA, ROMAS, US
  - [72] SAFINA, BRIAN, US
  - [72] ZHOU, MATTHEW, US
  - [71] BOLT BIOTHERAPEUTICS, INC., US
  - [85] 2022-03-25
  - [86] 2020-09-29 (PCT/US2020/053224)
  - [87] (WO2021/067242)
  - [30] US (62/908,253) 2019-09-30
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[13] A1

- [51] Int.Cl. H02K 1/27 (2022.01) H02K 1/14 (2006.01) H02K 1/17 (2006.01) H02K 1/20 (2006.01) H02K 3/18 (2006.01)
  - [25] EN
  - [54] WOUND-FIELD SYNCHRONOUS MACHINES AND CONTROL
  - [54] MACHINES SYNCRONES A CHAMP ENROULE ET COMMANDE
  - [72] KORTA, PHILIP, US
  - [72] IYER, LAKSHMI VARAHA, US
  - [72] SCHLAGER, GERD, AT
  - [71] MAGNA INTERNATINAL INC., CA
  - [85] 2022-03-25
  - [86] 2020-10-02 (PCT/US2020/053963)
  - [87] (WO2021/067713)
  - [30] US (62/909,882) 2019-10-03
  - [30] US (62/924,840) 2019-10-23
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- [51] Int.Cl. A61N 2/00 (2006.01) A61B 5/00 (2006.01) A61N 2/02 (2006.01) A61N 2/04 (2006.01) A61N 2/08 (2006.01)
  - [25] EN
  - [54] TREATMENT APPARATUS, SYSTEMS AND METHODS
  - [54] APPAREIL DE TRAITEMENT, SYSTEMES ET PROCEDES
  - [72] SEGAL, YARON, IL
  - [72] DJEMAL-KAY, YAEL, IL
  - [71] BRAINQ TECHNOLOGIES LTD., IL
  - [85] 2022-03-25
  - [86] 2020-11-18 (PCT/IL2020/051193)
  - [87] (WO2021/117029)
  - [30] US (62/946,754) 2019-12-11
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  - [71] ACTINOGEN MEDICAL LIMITED, AU
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- [72] PERSILLON, QUITTERIE, FR
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- [72] MONTANEZ, JUAN CARLOS, US
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- [71] RHEEM MANUFACTURING COMPANY, US
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- [71] GRANBIO INTELLECTUAL PROPERTY HOLDINGS, LLC, US
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- [72] LOO, KENT CHILL, US
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- [71] LOOLOOPPS, LLC, US
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- [72] DINIZ FERREIRA, ELTON L., US
- [72] ORTEGA, EDWIN, US
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- [71] CONOCOPHILLIPS COMPANY, US
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- [72] GALINDO, RAUL, US
- [71] SKELETAL DYNAMICS, INC., US
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- [71] INTERCONTINENTAL GREAT BRANDS LLC, US
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  - [54] POLYTHERAPIE POUR CANCERS A MUTATION DE KRAS
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  - [72] JIANG, CHUN, US
  - [71] COTHERA BIOSCIENCE, INC., KY
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  - [86] 2020-10-08 (PCT/CN2020/119873)
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  - [54] POLYTHERAPIE POUR CANCERS A MUTATION DE KRAS
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  - [71] COTHERA BIOSCIENCE, INC., KY
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  - [71] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
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  - [72] VANROY, BRAM, BE
  - [72] MEYNEN, SANDRA, BE
  - [71] HUNTSMAN INTERNATIONAL LLC, US
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  - [54] MELANGES FONGICIDES
  - [72] WACHTLER, PETER, DE
  - [72] UHR, HERMANN, DE
  - [72] STOPP, ROLAND, DE
  - [71] LANXESS DEUTSCHLAND GMBH, DE
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- [72] KNOBLOCH, GESINE, DE
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- [72] LOW, BENJAMIN E., US
- [71] THE JACKSON LABORATORY, US
- [85] 2022-04-08
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- [54] COMPTEUR-EMPILEUR A ENLEVEMENT AUTOMATIQUE
- [72] LAWRENCE, ERIC CLAY, US
- [71] LAWRENCE EQUIPMENT INC., US
- [85] 2022-04-08
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- [72] KERR, CECILIA, US
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- [72] KUMAR, PAWAN, US
- [72] DATTA, DHRUBAJYOTI, US
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- [85] 2022-04-06
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- [54] DISPOSITIF, SYSTEME ET PROCEDE D'ADMINISTRATION INTRANASALE DE MEDICAMENT
- [72] JACKSON, JAMES PATRICK, CA
- [72] PHILIPPSEN, AARON OLAFUR LAURENCE, CA
- [72] COUTTS, JOSHUA ADRIAN, CA
- [72] CHAMBERLIN, WESLEY BARRETT, CA
- [72] RUSA-K-GILLRIE, HANNAH CZAJA, CA
- [72] NIKNIA, IMAN, CA
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- [72] ALLAN, NICHOLAS DAVID, CA
- [72] ALT, DAVID JAMES, CA
- [72] IRVING, KENNETH COLIN MACNARIN, CA
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- [72] COUBROUGH, KENZA ELIZABETH, CA
- [72] MCCORDICK, EVAN, CA
- [71] ROCKET SCIENCE HEALTH CORP., CA
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- [87] (WO2021/069972)
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- [54] DISPOSITIF DE SUPPORT POUR LA VAISSELLE
- [72] RIVA, SANDRO, IT
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- [85] 2022-04-08
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- [54] CONCEPTION DE TUBE D'ASPIRATION MULTICOUCHE POUR UNE SURTENSION POST-OCCLUSION REDUITE ET UNE PULSATION DE POMPE
- [72] NIRKHE, CHETAN, US
- [71] JOHNSON & JOHNSON SURGICAL VISION, INC., US
- [85] 2022-04-08
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- [72] ALGHURAIR, RASHID, AE
- [72] ROGERS, RYAN EDWARD, AE
- [72] AL ASMAR KFOURI, ANTONIO, AE
- [71] CAFU APP DMCC, AE
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- [54] COMPOSITIONS DE PEPTIDES DE CHANVRE POUR PRODUITS NUTRACEUTIQUES ET DE SOINS PERSONNELS
- [72] HEERZE, LOUIS, CA
- [71] EC LABS INC., CA
- [85] 2022-04-08
- [86] 2020-03-25 (PCT/CA2020/000032)
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- [54] CELLULES DE VAPEUR A CRISTAL PHOTONIQUE POUR L'IMAGERIE DE CHAMPS ELECTROMAGNETIQUES
- [72] AMARLOO, HADI, CA
- [72] RAMIREZ-SERRANO, JAIME, CA
- [72] SHAFFER, JAMES P., CA
- [71] QUANTUM VALLEY IDEAS LABORATORIES, CA
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- [54] BIOMARQUEURS DE LA MALADIE DU GREFFON CONTRE L'HOTE
- [72] HOWELL, MICHAEL D., US
- [72] OWENS, SHERRY, US
- [72] PRATTA, MICHAEL A., US
- [71] INCYTE CORPORATION, US
- [85] 2022-04-08
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- [25] EN
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- [54] CAPSULES GRAVEES PAR LASER ET PROCEDES DE FABRICATION ASSOCIES
- [72] DAS, DEBANJAN, US
- [72] WALTER, REINHARD, US
- [72] ZUMETA PEREZ, JAVIER, ES
- [72] PRIOR CABANILLAS, ALBERTO, ES
- [72] MEISEL, GERARD, US
- [72] FIGUEROA, CARLOS, US
- [72] FORD, MARK DAVID, US
- [72] THURSTON, ROLAND NORMAN, JR., US
- [71] BAYER HEALTHCARE LLC, US
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- [54] MATERIAUX ET PROCEDES D'ANALYSE DE PROTEINES PAR SPECTROMETRIE DE MASSE
- [72] GUNAWARDENA, HARSHA, US
- [72] NANDA, HIRSH, US
- [71] JANSSEN BIOTECH, INC., US
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- [72] RANUM, LAURA, US
- [72] CORONEL, MONICA BANEZ, US
- [71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
- [85] 2022-04-08
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[54] PROCEDE ET INTERMEDIAIRES POUR LA PRODUCTION DE FORMULE (I)  
[72] DUBIEZ, JEROME, GB  
[72] TURNER, ANDREW, GB  
[72] CHUBB, RICHARD, GB  
[71] ASTRAZENECA AB, SE  
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[72] CHEN, GUOJUN, US  
[72] LACKEY, JEREMY, US  
[71] QUANTUM-SI INCORPORATED, US  
[85] 2022-04-08  
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[25] EN  
[54] METHOD FOR PREPARATION OF DENSIFIED WOOD ARTICLE  
[54] PROCEDE DE PREPARATION D'ARTICLE EN BOIS COMPRESSE  
[72] KANTNER, WOLFGANG, AT  
[72] ZICH, THOMAS, AT  
[72] SCHWARZKOPF, MATTHEW JOHN, SI  
[72] BURNARD, MICHAEL DAVID, SI  
[72] MIKULJAN, MARICA, SI  
[72] KUTNAR, ANDREJA, SI  
[71] METADYNEA AUSTRIA GMBH, AT  
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[54] AUXILIAIRE CANNABINOIDE A TENEUR REDUITE EN TERPENE  
[72] JURADO, JAIME JOSE, US  
[72] WINCZURA, ERIN, KY  
[71] JAMAICAN BREW HOUSE, KY  
[85] 2022-04-08  
[86] 2020-10-09 (PCT/US2020/055069)  
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[25] EN  
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[54] IMMUNOTHERAPIE ANTICANCEREUSE NANO-ACTIVEE  
[72] MEI, KUO-CHING, US  
[72] MENG, HUAN, US  
[72] NEL, ANDRE E., US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2022-04-08  
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[25] EN  
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[54] PROCEDES DE TRAITEMENT D'UN TROUBLE OCULAIRE  
[72] EHRLICH, JASON, US  
[72] VELAZQUEZ-MARTIN, PABLO, US  
[72] NAOR, JOEL, US  
[72] PERLROTH, D. VICTOR, US  
[72] LIANG, HONG, US  
[71] KODIAK SCIENCES INC., US  
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[54] COMPORTEMENTS QUI REDUISENT LA DEMANDE PORTANT SUR DES VEHICULES SUIVEURS AUTONOMES  
[72] GEORGE, MICHAEL DAVID, US  
[72] MERICLI, TEKIN ALP, US  
[72] MERICLI, CETIN ALP, US  
[72] RAJAGOPALAN, VENKATARAMANAN, US  
[72] KELLY, ALONZO J., US  
[71] LOCOMATION, INC., US  
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[86] 2020-10-15 (PCT/US2020/055681)  
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[30] US (62/915,795) 2019-10-16  
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[25] EN  
[54] ONCOLYTIC VIRUS COMPRISING IMMUNOMODULATORY TRANSGENES AND USES THEREOF  
[54] VIRUS ONCOLYTIQUE COMPRENANT DES TRANSGENES IMMUNOMODULATEURS ET UTILISATIONS DE CELUI-CI  
[72] MCFADDEN, DOUGLAS GRANT, US  
[72] TORRES-DOMINGUEZ, LINO, US  
[72] VILLA, NANCY, US  
[72] RAHMAN, MOHAMMED MASMUDUR, US  
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US  
[85] 2022-04-08  
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[25] EN  
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[54] DISPOSITIF DE COMMANDE LATERAL DE SUIVI DE MENEUR A BASE DE VISION  
[72] GEORGE, MICHAEL DAVID, US  
[72] MERICLI, TEKIN ALP, US  
[72] MERICLI, CETIN ALP, US  
[72] VENKATARAMANAN, RAJAGOPALAN, US  
[72] KELLY, ALONZO J., US  
[71] LOCOMATION, INC., US  
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[86] 2020-10-15 (PCT/US2020/055695)  
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[25] EN  
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[54] ALTERATIONS DU NOMBRE DE COPIES (CNA) D'ADN POUR DETERMINER DES PHENOTYPES DE CANCER  
[72] PEROU, CHARLES M., US  
[72] PARKER, JOEL S., US  
[72] XIA, YOULI, US  
[72] FAN, CHENG, US  
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US  
[85] 2022-04-08  
[86] 2020-10-09 (PCT/US2020/055093)  
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[30] US (62/912,727) 2019-10-09

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[54] SENSOR CONTROLLED LAUNDER FLOW  
[54] FLUX DE CHENAL DE COULEE REGULE PAR UN CAPTEUR  
[72] TETKOSKIE, JASON, US  
[72] HORSFALL, ANDREW, US  
[71] PYROTEK, INC., US  
[85] 2022-04-08  
[86] 2020-10-15 (PCT/US2020/055756)  
[87] (WO2021/076743)  
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[51] Int.Cl. A61K 38/48 (2006.01) A61P 15/00 (2006.01)  
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[54] TRAITEMENT DE FIBROMES UTERINS A L'AIDE DE COLLAGENASE PURIFIEE  
[72] SEGARS, JAMES H., US  
[72] LEPPERT, PHYLLIS CAROLYN, US  
[72] WEGMAN, THOMAS L., US  
[72] SOMA, JEAN-MARIE, US  
[71] THE JOHNS HOPKINS UNIVERSITY, US  
[71] DUKE UNIVERSITY, US  
[71] BIOSPECIFICS TECHNOLOGIES CORP., US  
[85] 2022-04-08  
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[25] EN  
[54] REGENERATING FUNCTIONAL NEURONS FOR TREATMENT OF NEUROLOGICAL DISORDERS  
[54] REGENERATION DE NEURONES FONCTIONNELS POUR LE TRAITEMENT DE TROUBLES NEUROLOGIQUES  
[72] CHEN, GONG, US  
[71] THE PENN STATE RESEARCH FOUNDATION, US  
[85] 2022-04-08  
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[87] (WO2021/076947)  
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[51] Int.Cl. C07K 14/47 (2006.01) C12N 5/00 (2006.01) C12N 15/85 (2006.01)  
[25] EN  
[54] REGENERATING FUNCTIONAL NEURONS FOR TREATMENT OF HEMORRHAGIC STROKE  
[54] REGENERATION DE NEURONES FONCTIONNELS POUR LE TRAITEMENT D'UN ACCIDENT VASCULAIRE CEREBRAL HEMORRAGIQUE  
[72] CHEN, GONG, US  
[71] THE PENN STATE RESEARCH FOUNDATION, US  
[85] 2022-04-08  
[86] 2020-10-16 (PCT/US2020/056064)  
[87] (WO2021/076951)  
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[51] Int.Cl. A61B 17/221 (2006.01) A61B 17/22 (2006.01)  
[25] EN  
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[54] SYSTEMES, DISPOSITIFS ET PROCEDES DE TRAITEMENT D'OCCLUSIONS VASCULAIRES  
[72] DINH, JAMES QUANG, US  
[71] INARI MEDICAL, INC., US  
[85] 2022-04-08  
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[87] (WO2021/076954)  
[30] US (62/916,044) 2019-10-16

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[51] Int.Cl. G01R 29/08 (2006.01) G01R 29/10 (2006.01)  
[25] EN  
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[54] CELLULES A VAPEUR PERMETTANT UNE IMAGERIE DE CHAMPS ELECTROMAGNETIQUES  
[72] AMARLOO, HADI, CA  
[72] RAMIREZ-SERRANO, JAIME, CA  
[72] SHAFFER, JAMES P., CA  
[71] QUANTUM VALLEY IDEAS LABORATORIES, CA  
[85] 2022-04-08  
[86] 2020-09-23 (PCT/CA2020/051271)  
[87] (WO2021/102555)  
[30] US (62/941,572) 2019-11-27  
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[25] EN  
[54] REGENERATING FUNCTIONAL NEURONS FOR TREATMENT OF SPINAL CORD INJURY AND ALS  
[54] REGENERATION DE NEURONES FONCTIONNELS POUR LE TRAITEMENT D'UNE LESION DE LA MOELLE EPINIERE ET D'UNE SLA  
[72] CHEN, GONG, US  
[71] THE PENN STATE RESEARCH FOUNDATION, US  
[85] 2022-04-08  
[86] 2020-10-16 (PCT/US2020/056108)  
[87] (WO2021/076983)  
[30] US (62/916,713) 2019-10-17  
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[25] EN  
[54] NANOSIZE POWDER ADVANCED MATERIALS, METHOD OF MANUFACTURING AND OF USING SAME  
[54] MATERIAUX ELABORES EN POUDRES NANOMETRIQUES, ET PROCEDE DE FABRICATION ET D'UTILISATION DESDITS MATERIAUX  
[72] GUO, JIAYIN, CA  
[72] CAUCHY, XAVIER, CA  
[71] TEKNA PLASMA SYSTEMS INC., CA  
[85] 2022-04-08  
[86] 2020-10-09 (PCT/CA2020/051365)  
[87] (WO2021/068084)  
[30] US (62/913,001) 2019-10-09  
[30] US (62/913,009) 2019-10-09  
[30] US (62/913,025) 2019-10-09  
[30] US (62/932,544) 2019-11-08  
[30] US (62/932,557) 2019-11-08  
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[25] EN

[54] GLP-1R MODULATING COMPOUNDS

[54] COMPOSES MODULATEURS DE GLP-1R

[72] AMMANN, STEPHEN E., US

[72] BRIZGYS, GEDIMINAS J., US

[72] CASSIDY, JAMES S., US

[72] CHIN, ELBERT, US

[72] CHOU, CHIENHUNG, US

[72] COTTELL, JEROMY J., US

[72] GRAUPE, MICHAEL, US

[72] HUNG, CHAO-I, US

[72] KOLAHDOUZAN, KAVOOS, US

[72] SCHROEDER, SCOTT D., US

[72] SHAPIRO, NATHAN D., US

[72] SHORE, DANIEL G., US

[72] SZEWCZYK, SUZANNE M., US

[72] TAYLOR, JAMES G., US

[72] THOMAS-TRAN, RHIANNON, US

[72] WRIGHT, NATHAN E., US

[72] YANG, ZHENG-YU, US

[72] ZIPFEL, SHEILA M., US

[71] GILEAD SCIENCES, INC., US

[85] 2022-04-08

[86] 2020-10-22 (PCT/US2020/056867)

[87] (WO2021/081207)

[30] US (62/926,270) 2019-10-25

[30] US (63/028,187) 2020-05-21

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[51] Int.Cl. G01T 1/164 (2006.01) G01T 1/20 (2006.01) G01T 1/202 (2006.01) G01T 3/06 (2006.01)

[25] EN

[54] SYSTEM AND METHOD FOR NEUTRON AND GAMMA RADIATION DETECTION USING NON-HOMOGENEOUS MATERIAL SCINTILLATOR

[54] SYSTEME ET PROCEDE DE DETECTION DE NEUTRONS ET DE RAYONNEMENTS GAMMA A L'AIDE D'UN SCINTILLATEUR EN MATERIAU NON HOMOGENE

[72] BRODSKY, JASON PHILIP, US

[72] BOWDEN, NATHANIEL SEAN, US

[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US

[85] 2022-04-08

[86] 2020-10-08 (PCT/US2020/054812)

[87] (WO2021/072097)

[30] US (62/912,350) 2019-10-08

[30] US (17/065,103) 2020-10-07

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[51] Int.Cl. A61M 25/00 (2006.01) A61M 5/00 (2006.01) A61M 25/01 (2006.01) A61M 25/06 (2006.01) A61M 29/00 (2006.01)

[25] EN

[54] RAPIDLY INSERTABLE CENTRAL CATHETER AND METHODS THEREOF

[54] CATHETER CENTRAL A INSERTION RAPIDE ET METHODES ASSOCIEES

[72] HOWELL, GLADE HAROLD, US

[71] BARD ACCESS SYSTEMS, INC., US

[85] 2022-04-08

[86] 2020-10-26 (PCT/US2020/057397)

[87] (WO2021/086793)

[30] US (62/926,559) 2019-10-27

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[13] A1

[51] Int.Cl. A61B 17/16 (2006.01) A61B 90/00 (2016.01)

[25] EN

[54] SYSTEMS FOR USING THE STATUS OF A MOTOR DURING A SURGICAL DRILLING PROCEDURE TO IMPROVE EFFICIENCY OF A BREAKTHROUGH ALGORITHM

[54] SYSTEMES PERMETTANT L'UTILISATION DE L'ETAT D'UN MOTEUR PENDANT UNE PROCEDURE DE FORAGE CHIRURGICAL DESTINES A AMELIORER L'EFFICACITE D'UN ALGORITHME DE PERCEE

[72] SHARMA, RAHUL, IN

[71] STRYKER CORPORATION, US

[85] 2022-04-08

[86] 2020-10-12 (PCT/US2020/055252)

[87] (WO2021/072373)

[30] US (62/914,042) 2019-10-11

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[13] A1

[51] Int.Cl. A61K 39/395 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01) C07K 16/28 (2006.01)

[25] EN

[54] USE OF ENTPD3 FOR IDENTIFICATION, ISOLATION, AND ENHANCING MATURE STEM CELL DERIVED INSULIN-PRODUCING CELLS

[54] UTILISATION DE L'ENTPD3 POUR L'IDENTIFICATION, L'ISOLEMENT ET L'AMELIORATION DE CELLULES PRODUCTRICES D'INSULINE ISSUES DE CELLULES SOUCHES MATURES

[72] RUSS, HOLGER A., US

[72] DOCHERTY, FIONA, US

[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US

[85] 2022-04-08

[86] 2020-10-12 (PCT/US2020/055286)

[87] (WO2021/072390)

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[25] EN  
[54] RAW-MATERIAL LIQUID CONCENTRATION SYSTEM AND CONCENTRATION APPARATUS  
[54] SYSTEME DE CONCENTRATION DE LIQUIDE DE MATIERE PREMIERE ET APPAREIL DE CONCENTRATION  
[72] HASHIMOTO, TOMOTAKA, JP  
[72] SUGA, YUKI, JP  
[71] ASAHI KASEI KABUSHIKI KAISHA, JP  
[85] 2022-04-08  
[86] 2020-10-09 (PCT/JP2020/038370)  
[87] (WO2021/070955)  
[30] JP (2019-187745) 2019-10-11

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[13] A1

[51] Int.Cl. C22C 9/04 (2006.01) C22F 1/08 (2006.01)  
[25] EN  
[54] FREE-CUTTING COPPER ALLOY AND METHOD FOR MANUFACTURING FREE-CUTTING COPPER ALLOY  
[54] ALLIAGE DE CUIVRE DE DECOLLETAGE, ET PROCEDE DE FABRICATION DE CELUI-CI  
[72] OISHI, KEIICHIRO, JP  
[72] SUZAKI, KOUICHI, JP  
[72] GOTO, HIROKI, JP  
[71] MITSUBISHI MATERIALS CORPORATION, JP  
[85] 2022-04-07  
[86] 2020-11-30 (PCT/JP2020/044418)  
[87] (WO2021/117528)  
[30] JP (PCT/JP2019/048438) 2019-12-11  
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[30] JP (PCT/JP2019/050255) 2019-12-23  
[30] JP (PCT/JP2020/006037) 2020-02-17

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[25] EN  
[54] DEVICE, SYSTEM AND METHOD FOR FORMING A FOLDED FOOD PRODUCT  
[54] APPAREIL DE FACONNAGE, SYSTEME DE FACONNAGE ET PROCEDE DE FACONNAGE POUR PRODUIT ALIMENTAIRE PLIE  
[72] OGAWA, YUYA, JP  
[72] HAMAMOTO, KAORU, JP  
[71] RHEON AUTOMATIC MACHINERY CO., LTD., JP  
[85] 2022-04-07  
[86] 2020-10-09 (PCT/JP2020/038308)  
[87] (WO2021/070937)  
[30] JP (2019-186664) 2019-10-10

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[51] Int.Cl. B63B 32/10 (2020.01) B63B 32/20 (2020.01) B63B 34/10 (2020.01) A63B 35/12 (2006.01) B63C 11/46 (2006.01)  
[25] EN  
[54] WATERCRAFT  
[54] EMBARCATION  
[72] WALPURGIS, HANS-PETER, DE  
[71] CAYAGO TEC GMBH, DE  
[85] 2022-04-08  
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[87] (WO2021/069148)  
[30] DE (10 2019 127 224.6) 2019-10-10

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[13] A1

[51] Int.Cl. C10G 55/04 (2006.01) B01D 3/14 (2006.01)  
[25] EN  
[54] METHOD AND SYSTEM FOR FRACTIONATING HYDROCARBON LIQUIDS  
[54] PROCEDE ET SYSTEME DE FRACTIONNEMENT DE LIQUIDES D'HYDROCARBURES  
[72] BARROS JACOME, JORGE VICENTE, RU  
[72] BALAVI, HAFEZ, CA  
[71] ADVANCED ENERGY TECHNOLOGIES SARL, CH  
[85] 2022-04-11  
[86] 2019-10-18 (PCT/CN2019/051475)  
[87] (WO2020/077460)  
[30] US (62/748,307) 2018-10-19

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[51] Int.Cl. H04N 21/258 (2011.01) H04N 21/242 (2011.01) G10L 15/02 (2006.01) H04R 3/00 (2006.01) H04R 5/027 (2006.01)  
[25] EN  
[54] METHOD AND SYSTEM FOR SYNCHRONIZING A VIEWER-EFFECT SIGNAL OF A MEDIA CONTENT WITH A MEDIA SIGNAL OF THE MEDIA CONTENT  
[54] PROCEDE ET SYSTEME DE SYNCHRONISATION D'UN SIGNAL D'EFFET DE SPECTATEUR D'UN CONTENU MULTIMEDIA AVEC UN SIGNAL MULTIMEDIA DU CONTENU MULTIMEDIA  
[72] BEAUDIN, ANDRE, CA  
[72] MENARD, JEAN-FRANCOIS, CA  
[72] CHARRON, JEAN-FRANCOIS, CA  
[72] LOISEAU, ALEXANDRE, CA  
[71] D-BOX TECHNOLOGIES INC., CA  
[85] 2022-04-08  
[86] 2020-10-19 (PCT/CA2020/051402)  
[87] (WO2021/072558)  
[30] US (62/916,480) 2019-10-17

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[13] A1

[51] Int.Cl. A61K 8/44 (2006.01)  
[25] EN  
[54] POROUS DISSOLVABLE SOLID STRUCTURE  
[54] STRUCTURE SOLIDE PORUEUSE SOLUBLE  
[72] TAN, HONGSING, CN  
[72] GLENN, JR., ROBERT WAYNE, SG  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2022-04-08  
[86] 2019-11-20 (PCT/CN2019/119586)  
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  - [54] A SOLUBILIZING COMPOSITION
  - [54] COMPOSITION DE SOLUBILISATION
  - [72] BERG, PAULO SERGIO, BR
  - [72] PULLEN, MELVIN DONOVAN, US
  - [72] VANDERZYL, JARED, US
  - [71] ORO AGRI, INC., US
  - [85] 2022-04-08
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  - [30] US (62/913,660) 2019-10-10
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- [25] EN
- [54] MANAGEMENT OF RECYCLABLE GOODS AND THEIR SOURCE MATERIALS
- [54] GESTION DE PRODUITS RECYCLABLES ET DE LEURS MATERIAUX BRUTS
- [72] ALON, HAGGAI, IL
- [72] SHMUELI, GAL, IL
- [72] BAREKET, YIFAT, IL
- [72] MUSNIKOW, YONATAN, IL
- [72] NAHUM, TEHILA, IL
- [72] MAAG, KARIN, FR
- [72] YORAN, NADAV, IL
- [71] SECURITY MATTERS LTD., IL
- [85] 2022-04-08
- [86] 2020-10-07 (PCT/IL2020/051083)
- [87] (WO2021/070182)
- [30] US (62/913,548) 2019-10-10
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[13] A1

- [51] Int.Cl. A24F 40/30 (2020.01) A24F 40/42 (2020.01) A24F 40/50 (2020.01)
  - [25] EN
  - [54] ELECTRONIC SMOKING DEVICE INCLUDING A CARTRIDGE WITH PLURAL RESERVOIRS
  - [54] DISPOSITIF A FUMER ELECTRONIQUE COMPRENANT UNE CARTOUCHE DOTEE DE PLUSIEURS RESERVOIRS
  - [72] HERMIZ, RANDY, US
  - [72] LI, NIANZHONG, CN
  - [71] CEGNUM LLC, US
  - [85] 2022-04-08
  - [86] 2020-07-17 (PCT/US2020/042515)
  - [87] (WO2021/071568)
  - [30] US (16/597,254) 2019-10-09
  - [30] US (16/677,123) 2019-11-07
  - [30] US (16/872,516) 2020-05-12
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- [51] Int.Cl. A01C 7/16 (2006.01) A01C 7/08 (2006.01) A01C 7/20 (2006.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR TREATING INDIVIDUAL SEEDS WITH LIQUID CHEMICALS DURING THE PLANTING PROCESS
- [54] SYSTEME ET PROCEDE DE TRAITEMENT DE SEMENCES INDIVIDUELLES AVEC DES PRODUITS CHIMIQUES LIQUIDES PENDANT LE PROCESSUS DE PLANTATION
- [72] RICE, RICHARD L., US
- [72] CONRAD, LARRY M., US
- [71] AMVAC HONG KONG LIMITED, CN
- [85] 2022-04-08
- [86] 2020-09-11 (PCT/US2020/050404)
- [87] (WO2021/071619)
- [30] US (16/598,937) 2019-10-10
- [30] US (17/000,571) 2020-08-24

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- [51] Int.Cl. A63F 5/00 (2006.01) A63F 5/04 (2006.01) A63F 7/00 (2006.01) A63F 7/02 (2006.01) A63F 7/30 (2006.01) A63F 9/24 (2006.01)
  - [25] EN
  - [54] ROULETTE RIM TILT DETECTION
  - [54] DETECTION D'INCLINAISON DE BORD DE ROULETTE
  - [72] BERGANT, URBAN, SI
  - [71] INTERBLOCK D.D., US
  - [85] 2022-04-08
  - [86] 2020-10-06 (PCT/US2020/054442)
  - [87] (WO2021/071862)
  - [30] US (62/914,308) 2019-10-11
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- [25] EN
- [54] FORWARD HEAD POSTURE CORRECTION COLLAR ASSEMBLY
- [54] ENSEMBLE COLLIER DE CORRECTION DE POSTURE AVANCEE DE LA TETE
- [72] DELLANNO, RONALD P., US
- [71] DELLANNO, RONALD P., US
- [85] 2022-04-08
- [86] 2020-10-08 (PCT/US2020/054683)
- [87] (WO2021/072014)
- [30] US (16/596,444) 2019-10-08

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- [25] EN
- [54] LASER RANGEFINDER WITH MULTIPLE BALLISTIC CALCULATORS
- [54] TELEMETRE A LASER DOTE DE MULTIPLES CALCULATEURS BALISTIQUES
- [72] CLERMONT, TODD, US
- [72] FARRELL, BEN, US
- [72] HAMILTON, DAVID M., US
- [72] CAMPBELL, RICHARD, US
- [72] ROSEN, MICHAEL, US
- [71] SHELTERED WINGS, INC. D/B/A VORTEX OPTICS, US
- [85] 2022-04-08
- [86] 2020-10-08 (PCT/US2020/054692)
- [87] (WO2021/137912)
- [30] US (62/912,995) 2019-10-09

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- [51] Int.Cl. F21V 15/01 (2006.01)
- [25] EN
- [54] LIGHT Emitter
- [54] EMETTEUR DE LUMIERE
- [72] BAKER, DEREK, US
- [71] HUBBELL LIGHTING, INC., US
- [85] 2022-04-08
- [86] 2020-10-08 (PCT/US2020/054789)
- [87] (WO2021/072078)
- [30] US (62/912,383) 2019-10-08

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[13] A1

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- [25] EN
- [54] NA/K-ATPASE LIGANDS AND USE THEREOF FOR TREATMENT OF CANCER
- [54] LIGANDS NA/K-ATPASE ET LEUR UTILISATION DANS LE TRAITEMENT DU CANCER
- [72] XIE, ZIJIAN, US
- [72] BANERJEE, MOUMITA, US
- [72] SHAPIRO, JOSEPH, US
- [72] GAO, YINGNYU, US
- [72] DUAN, MAOSHENG, US
- [72] TAN, XUCHAI, US
- [71] MARSHALL UNIVERSITY RESEARCH CORPORATION, US
- [85] 2022-04-08
- [86] 2020-10-08 (PCT/US2020/054795)
- [87] (WO2021/072083)
- [30] US (62/912,453) 2019-10-08

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- [25] EN
- [54] AN INHALABLE DRY POWDER COMPOSITION FOR PULMONARY DISEASES
- [54] COMPOSITION DE Poudre SECHE INHALABLE POUR MALADIES PULMONAIRES
- [72] KULKARNI, SUSHRUT, IN
- [72] ANKAM, RAJESH VERBEERABHADRARAO, IN
- [72] TRIVEDI, RAKSHIT KANUBHAI, IN
- [72] ARAVAT, VAIKNATH SHADAKSHARI, IN
- [72] LUGADE, VIJAY GANPAT, IN
- [72] NAVHAT, SOMESHWAR DASHRATH, IN
- [71] GLENMARK SPECIALTY S.A., CH
- [85] 2022-04-08
- [86] 2020-10-11 (PCT/IB2020/059541)
- [87] (WO2021/070150)
- [30] IN (201921041251) 2019-10-11

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[13] A1

- [51] Int.Cl. A61K 9/00 (2006.01) C03C 3/04 (2006.01)
- [25] EN
- [54] VACCINE PRODUCT
- [54] PRODUIT DE VACCIN
- [72] LABOVITIADI, OLGA, NL
- [72] CAPELLE, MARTINUS, NL
- [72] CALADO DA SILVA FREIRE, JOAO MIGUEL, NL
- [72] TIMMER, WILLEM JAN, NL
- [71] JANSSEN VACCINES & PREVENTION B.V., NL
- [85] 2022-04-11
- [86] 2020-10-16 (PCT/EP2020/079274)
- [87] (WO2021/074423)
- [30] EP (19386042.6) 2019-10-16

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[13] A1

- [51] Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01)
- [25] EN
- [54] CONTROLLED RELEASE FORMULATIONS OF HIGHLY LIOPHILIC PHYSIOLOGICALLY ACTIVE SUBSTANCES
- [54] FORMULATIONS A LIBERATION CONTROLEE DE SUBSTANCES PHYSIOLOGIQUEMENT ACTIVES HAUTEMENT LIOPHILES
- [72] NOWAK, MIRKO, DE
- [72] NOWAK, JAY JESKO, DE
- [72] GRAVE, ANNETTE, DE
- [72] WENTZLAFF, MONIKA, DE
- [72] BARTHOLD, SARAH, DE
- [72] GEUGELIN, CHRISTIAN, DE
- [71] ADD ADVANCED DRUG DELIVERY TECHNOLOGIES LTD., CH
- [85] 2022-04-11
- [86] 2020-10-16 (PCT/EP2020/079248)
- [87] (WO2021/074403)
- [30] EP (19203580.6) 2019-10-16

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[13] A1

[51] Int.Cl. A61K 31/706 (2006.01) A61K 45/06 (2006.01) A61P 19/02 (2006.01)  
[25] FR  
[54] USE OF NICOTINAMIDE MONONUCLEOTIDE (NMN) FOR THE PREVENTION AND/OR TREATMENT OF RHEUMATOID ARTHRITIS, AND CORRESPONDING COMPOSITIONS  
[54] UTILISATION DE NICTOTINAMIDE MONONUCLEOTIDE (NMN) POUR LA PREVENTION ET/OU LE TRAITEMENT DE LA POLYARTHRITE RHUMATOÏDE ET COMPOSITIONS CORRESPONDANTES  
[72] BERMOND, GUILLAUME, FR  
[72] GARCON, LAURENT, FR  
[71] NUVAMID SA, CH  
[85] 2022-04-11  
[86] 2020-10-15 (PCT/EP2020/079014)  
[87] (WO2021/074284)  
[30] FR (FR1911696) 2019-10-18

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[13] A1

[51] Int.Cl. A61K 31/42 (2006.01) A61P 27/00 (2006.01) C07D 413/06 (2006.01)  
[25] EN  
[54] 1,2,4-OXADIAZOLE DERIVATIVES AS LIVER X RECEPTOR AGONISTS  
[54] DERIVES DE 1,2,4-OXADIAZOLE EN TANT QU'AGONISTES DU RECEPTEUR X DU FOIE  
[72] BOSS, KELLY D., US  
[72] FAN, YI, US  
[72] FLYER, ALEC NATHANSON, US  
[72] HARDY, DECLAN, US  
[72] HUANG, ZHIHONG, US  
[72] LINKENS, KATHRYN TAYLOR, US  
[72] LOREN, JON CHRISTOPHER, US  
[72] MA, FUPENG, US  
[72] MOLTENI, VALENTINA, US  
[72] SHAW, DUNCAN, US  
[72] SMITH, JEFFREY, US  
[72] SOLOVAY, CATHERINE FOOKS, US  
[71] NOVARTIS AG, CH  
[85] 2022-04-11  
[86] 2020-11-23 (PCT/IB2020/061053)  
[87] (WO2021/105857)  
[30] US (62/940,061) 2019-11-25  
[30] US (63/106,293) 2020-10-27

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[13] A1

[51] Int.Cl. A01N 43/54 (2006.01) A01N 43/60 (2006.01) A01N 43/647 (2006.01) A01N 43/653 (2006.01) A01N 43/707 (2006.01) A01N 43/84 (2006.01) A01N 55/10 (2006.01) A01P 3/00 (2006.01) C07D 239/54 (2006.01) C07D 239/553 (2006.01) C07D 403/12 (2006.01) C07F 7/10 (2006.01)  
[25] EN  
[54] 2,6-DIOXO-3,6-DIHYPOPYRIMIDINE COMPOUND, AGRICULTURAL AND HORTICULTURAL BACTERICIDE, NEMATICIDE, AND MEDICAL AND VETERINARY ANTIFUNGAL AGENT  
[54] COMPOSE 2,6-DIOXO-3,6-DIHYPOPYRIMIDINE, BACTERICIDE AGRICOLE ET HORTICOLE, NEMATICIDE ET AGENT ANTIFONGIQUE MEDICAL ET VETERINAIRE  
[72] TERANISHI, TAKAAKI, JP  
[72] KUWAHARA, RAITO, JP  
[72] MUNEI, YOHEI, JP  
[72] SHIMOMURA, HAJIME, JP  
[72] KAWASAKI, TATSUHIRO, JP  
[72] ISHIHARA, TAKUMA, JP  
[72] IWATA, JUN, JP  
[72] SAIGA, TOMOYUKI, JP  
[72] NISHINO, CHIHIRO, JP  
[71] NIPPON SODA CO., LTD., JP  
[85] 2022-04-08  
[86] 2020-10-26 (PCT/JP2020/040135)  
[87] (WO2021/085389)  
[30] JP (2019-195484) 2019-10-28  
[30] JP (2020-053191) 2020-03-24

[21] 3,157,661  
[13] A1

[51] Int.Cl. B01F 23/2375 (2022.01) B01F 23/233 (2022.01) B01F 27/1151 (2022.01)  
[25] EN  
[54] NANOBUBBLE GENERATION SYSTEM USING FRICTION  
[54] SYSTEME DE GENERATION DE NANOBULLES UTILISANT LE FROTTEMENT  
[72] YOO, YOUNG HO, KR  
[72] YOO, TAE GEUN, KR  
[72] YOO, A RAM, KR  
[71] YOO, YOUNG HO, KR  
[71] FAWOO NANOTECH CO., LTD., KR  
[85] 2022-04-08  
[86] 2020-07-30 (PCT/KR2020/010033)  
[87] (WO2021/071072)  
[30] KR (10-2019-0126340) 2019-10-11

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[13] A1

[51] Int.Cl. A01F 29/12 (2006.01) A01F 29/00 (2006.01)  
[25] EN  
[54] SHREDDER FOR SHREDDING AGRICULTURAL PRODUCTS  
[54] DECHIQUEUSE POUR LE DECHIQUETAGE DE PRODUITS AGRICOLES  
[72] WILLEMS, ERWIN, BE  
[71] V.D.W. CONSTRUCTIE, BE  
[85] 2022-04-11  
[86] 2020-10-16 (PCT/IB2020/059764)  
[87] (WO2021/074881)  
[30] BE (BE2019/5708) 2019-10-16

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[13] A1

[51] Int.Cl. G06Q 50/30 (2012.01) G06Q 10/02 (2012.01) B60L 53/50 (2019.01)  
[25] EN  
[54] SMART ELECTRIC VEHICLE CHARGING SYSTEM AND METHOD FOR SITUATIONAL MONITORING AND ALERTING  
[54] SYSTEME DE CHARGE DE VEHICULE ELECTRIQUE INTELLIGENT ET PROCEDE DE SURVEILLANCE DE SITUATION ET D'ALERTE  
[72] JASTI, KRISHNA KARTHIK, IN  
[71] AMPLIFY CLEANTECH SOLUTIONS PRIVATE LIMITED, IN  
[85] 2022-04-11  
[86] 2020-10-08 (PCT/IB2020/059447)  
[87] (WO2021/070098)  
[30] IN (201941041218) 2019-10-11

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- [51] Int.Cl. A61K 31/706 (2006.01) A61K 39/395 (2006.01) A61P 35/02 (2006.01) C07K 16/28 (2006.01)
  - [25] EN
  - [54] TIM-3 INHIBITORS AND USES THEREOF
  - [54] INHIBITEURS DE TIM-3 ET LEURS UTILISATIONS
  - [72] VANASSE, K., GARY J., US
  - [72] ELDJEROU, LAMIS, US
  - [72] MENSEN, HANS, CH
  - [72] SCOTT, JEFFREY, US
  - [71] NOVARTIS AG, CH
  - [85] 2022-04-11
  - [86] 2020-10-20 (PCT/IB2020/000968)
  - [87] (WO2021/079195)
  - [30] US (62/923,928) 2019-10-21
  - [30] US (62/978,262) 2020-02-18
  - [30] US (63/090,234) 2020-10-11
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[13] A1

- [51] Int.Cl. A61K 39/00 (2006.01) A61K 39/12 (2006.01)
- [25] EN
- [54] VECTOR FOR CANCER TREATMENT
- [54] VECTEUR POUR LE TRAITEMENT DU CANCER
- [72] LEE, LIAN NI, GB
- [72] CHINNAKANNAN, SENTHIL, GB
- [72] KLENERMAN, PAUL, GB
- [71] CANCER RESEARCH TECHNOLOGY LIMITED, GB
- [85] 2022-04-11
- [86] 2020-10-16 (PCT/GB2020/052620)
- [87] (WO2021/074648)
- [30] GB (1914984.8) 2019-10-16
- [30] GB (2009420.7) 2020-06-19

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[13] A1

- [51] Int.Cl. H04W 28/02 (2009.01) H04W 48/12 (2009.01) H04W 84/12 (2009.01) H04W 40/24 (2009.01) H04W 74/00 (2009.01)
  - [25] EN
  - [54] CONGESTION NOTIFICATION TO A NODE NOT YET JOINED TO A NETWORK, RESULTING IN A DYNAMIC JOIN TIME
  - [54] NOTIFICATION D'ENCOMBREMENT A UN NODUS NON ENCORE RELIE A UN RESEAU, ABOUTISSANT A UN INSTANT DE JONCTION DYNAMIQUE
  - [72] HARRIS, LAWRENCE S., US
  - [71] LANDIS+GYR INNOVATIONS, INC., US
  - [85] 2022-04-11
  - [86] 2020-10-14 (PCT/US2020/055628)
  - [87] (WO2021/076663)
  - [30] US (16/655,908) 2019-10-17
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[13] A1

- [51] Int.Cl. H04N 19/60 (2014.01) H04N 19/119 (2014.01) H04N 19/122 (2014.01) H04N 19/132 (2014.01) H04N 19/176 (2014.01) H04N 19/18 (2014.01) H04N 19/186 (2014.01) H04N 19/70 (2014.01)
- [25] EN
- [54] TRANSFORM-BASED IMAGE CODING METHOD AND DEVICE FOR SAME
- [54] PROCEDE DE CODAGE D'IMAGE FONDE SUR UNE TRANSFORMEE ET DISPOSITIF ASSOCIE
- [72] KOO, MOONMO, KR
- [72] LIM, JAEHYUN, KR
- [72] KIM, SEUNGHWAN, KR
- [72] SALEHFAR, MEHDI, KR
- [71] LG ELECTRONICS INC., KR
- [85] 2022-04-08
- [86] 2020-10-08 (PCT/KR2020/013740)
- [87] (WO2021/071287)
- [30] US (62/912,609) 2019-10-08
- [30] US (62/913,670) 2019-10-10

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[13] A1

- [51] Int.Cl. C22C 38/02 (2006.01) C21C 7/072 (2006.01) C21D 8/02 (2006.01) C22C 38/04 (2006.01)
  - [25] EN
  - [54] AN EXTRA THICK VESSEL STEEL PLATE WITH GOOD LOW-TEMPERATURE IMPACT TOUGHNESS AT THE CENTER AND A PRODUCTION METHOD
  - [54] TOLE D'ACIER DE RECIPIENT ULTRA-EPAISSE PRESENTANT UNE BONNE TENACITE AU CHOC A BASSE TEMPERATURE DANS LE NOYAU ET PROCEDE DE FABRICATION ASSOCIE
  - [72] YANG, HONGWEI, CN
  - [72] XU, XIAOHONG, CN
  - [72] BAI, YUN, CN
  - [72] MIAO, PIFENG, CN
  - [72] YE, JIANJUN, CN
  - [72] ZHANG, JIAN, CN
  - [72] ZHANG, JUN, CN
  - [72] FANG, SHOUYU, CN
  - [72] XU, JUN, CN
  - [71] JIANGYIN XINGCHENG SPECIAL STEEL WORKS CO., LTD, CN
  - [85] 2022-04-11
  - [86] 2020-05-28 (PCT/CN2020/092872)
  - [87] (WO2021/179443)
  - [30] CN (202010164575.2) 2020-03-11
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[13] A1

- [51] Int.Cl. G06F 11/36 (2006.01)
- [25] EN
- [54] METHOD AND APPARATUS FOR AUTOMATICALLY TESTING VISUAL REPORT TOOL BASED ON VUEX
- [54] PROCEDE ET APPAREIL D'ESSAI AUTOMATIQUE D'UN OUTIL DE RAPPORT VISUEL SUR LA BASE DE VUEX
- [72] HUANG, ZHENGYANG, CN
- [72] QIU, YUANYUAN, CN
- [72] LI, CHENG, CN
- [72] SUN, QIAN, CN
- [71] 10353744 CANADA LTD., CA
- [85] 2022-04-11
- [86] 2020-07-30 (PCT/CN2020/105916)
- [87] (WO2021/068609)
- [30] CN (201910962950.5) 2019-10-11

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[21] **3,157,680**

[13] A1

[51] Int.Cl. G06F 16/215 (2019.01)

[25] EN

[54] PRICE RELEASE CONTROL  
METHOD AND APPARATUS,  
COMPUTER DEVICE, AND  
STORAGE MEDIUM

[54] PROCEDE ET APPAREIL DE  
COMMANDÉ DE LIBÉRATION DE  
PRIX, DISPOSITIF  
INFORMATIQUE ET SUPPORT DE  
STOCKAGE

[72] DING, LEI, CN

[72] QIU, JIN, CN

[72] GUO, RONG, CN

[72] WU, GAOYU, CN

[72] ZHOU, FEI, CN

[71] 10353744 CANADA LTD., CA

[85] 2022-04-11

[86] 2020-07-30 (PCT/CN2020/105965)

[87] (WO2021/068611)

[30] CN (201910961495.7) 2019-10-11

[21] **3,157,681**

[13] A1

[51] Int.Cl. A61K 31/437 (2006.01) A61K  
31/5025 (2006.01) A61K 31/519  
(2006.01) A61P 35/00 (2006.01) C07D  
471/04 (2006.01) C07D 487/04  
(2006.01)

[25] EN

[54] BICYCLIC AMINES AS CDK2  
INHIBITORS

[54] AMINES BICYCLIQUES  
UTILISEES EN TANT  
QU'INHIBITEURS DE CDK2

[72] HUMMEL, JOSHUA, US

[72] XU, MEIZHONG, US

[72] YEMINGTON, CHARLES R., US

[72] CHEN, YINGNAN, US

[72] FAVATA, MARGARET, US

[72] LO, YVONNE, US

[72] YE, YINGDA, US

[72] LI, ZHENWU, US

[72] QIAN, DING-QUAN, US

[72] WINTERTON, SARAH, US

[72] XIAO, KAIJIONG, US

[72] WU, LIANGXING, US

[72] YAO, WENQING, US

[71] INCYTE CORPORATION, US

[71] HUMMEL, JOSHUA, US

[71] XU, MEIZHONG, US

[71] YEMINGTON, CHARLES R., US

[71] CHEN, YINGNAN, US

[71] FAVATA, MARGARET, US

[71] LO, YVONNE, US

[85] 2022-04-11

[86] 2020-10-09 (PCT/US2020/055033)

[87] (WO2021/072232)

[30] US (62/914,114) 2019-10-11

[21] **3,157,682**

[13] A1

[51] Int.Cl. C07D 413/14 (2006.01) A61K  
31/337 (2006.01) A61K 31/395  
(2006.01) A61K 31/397 (2006.01)  
A61P 35/00 (2006.01) C07D 401/14  
(2006.01) C07D 471/04 (2006.01)

[25] EN

[54] SUBSTITUTED TRICYCLIC  
COMPOUND AS PRMT5  
INHIBITOR AND USE THEREOF

[54] COMPOSE TRICYCLIQUE  
SUBSTITUE UTILISE COMME  
INHIBITEUR DE PRMT5 ET SON  
UTILISATION

[72] WANG, YONG, CN

[72] ZHAO, LIWEN, CN

[72] QUAN, XU, CN

[72] ZHENG, GUOCHUANG, CN

[72] SUN, WEI, CN

[72] YANG, TINGTING, CN

[72] ZHAN, KANGNING, CN

[72] SHI, QIQI, CN

[71] NANJING SANHOME  
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DAMAGE WARNING FUNCTION

[54] POUTRE METALLIQUE A  
SECTION ASYMETRIQUE AYANT  
UNE FONCTION  
D'AVERTISSEMENT  
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[72] LAI, CHENG-HSING, CN

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[54] PROCEDE DE DETERMINATION DE POSITION ET D'ENERGIE DANS DES DETECTEURS A SCINTILLATION  
[72] LERCHE, CHRISTOPH, DE  
[72] BI, WENWEI, DE  
[72] SHAH, NADIM JONI, DE  
[71] FORSCHUNGSZENTRUM JULICH GMBH, DE  
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[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US  
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[25] EN  
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[72] ANDALORO, JOHN T., US  
[72] DELANEY, SETH DAVID, US  
[72] DURIGAN, MARIANA, US  
[72] NOBRE, FERNANDA, US  
[72] DE ANDRADE SILVA, FABIO M., US  
[72] WANG, GUOZHI, US  
[71] FMC CORPORATION, US  
[71] FMC AGRO SINGAPORE PTE LTD., SG  
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[25] EN  
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[72] WHITTON, PETER, GB  
[71] BLACKHAWK PARTNERS LTD, CY  
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[25] EN  
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[54] FORMULATIONS A LIBERATION CONTROLEE DE SUBSTANCES PHYSIOLOGIQUEMENT ACTIVES HAUTEMENT LIOPHILES  
[72] NOWAK, MIRKO, DE  
[72] NOWAK, JAY JESKO, DE  
[72] GRAVE, ANNETTE, DE  
[72] WENTZLAFF, MONIKA, DE  
[72] BARTHOLD, SARAH, DE  
[72] GEUGELIN, CHRISTIAN, DE  
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[54] DIAGNOSTIC ET TRAITEMENT DES TROUBLES DU SPECTRE AUTISTIQUE ASSOCIES A DES TAUX MODIFIES DE CONCENTRATIONS DE METABOLITES  
[72] SMITH, ALAN M., US  
[72] BRAAS, DANIEL, US  
[72] LUDWIG, MICHAEL, US  
[72] DONLEY, ELIZABETH L. R., US  
[72] BURRIER, ROBERT, US  
[71] STEMINA BIOMARKER DISCOVERY, INC., US  
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- [54] ENSEMBLE MOTEUR- GENERATEUR
- [72] LOKASAARI, TERO, FI
- [72] OUNI, ANTTI, FI
- [72] OJALAMMI, JUHA, FI
- [71] WARTSILA FINLAND OY, FI
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- [72] TYINK, ALEXANDER R., US
- [71] FORK FARMS HOLDINGS, LLC, US
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- [54] AUTOCLAVE ET PROCEDE D'OXYDATION SOUS PRESSION
- [72] LATVA-KOKKO, MARKO, FI
- [72] SAARIKOSKI, ANTTI, FI
- [72] IMMONEN, PEKKA, FI
- [72] RITASALO, TEEMU, FI
- [71] METSO OUTOTEC FINLAND OY, FI
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- [54] VECTEURS DE VIRUS ADENO-ASSOCIES POUR LE TRAITEMENT DE LA MALADIE DE NIEMANN-PICK DE TYPE C
- [72] MCCOY, DANIEL, US
- [72] BERRY, GARRETT, US
- [72] DISMUKE, DAVID, US
- [71] STRIDE BIO, INC., US
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- [71] STRIDE BIO, INC., US
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- [72] PATILA, TOMMI, FI
- [72] RANTALA, JUHA, FI
- [72] JOY, HARRI, FI
- [71] KOITE HEALTH OY, FI
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- [54] VARIANTS DE NUCLEASES CAS12A ET PROCEDES DE FABRICATION ET D'UTILISATION DE CEUX-CI
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- [72] JALI, SATHYA SHEELA, US
- [71] PAIRWISE PLANTS SERVICES, INC., US
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- [54] PLATEFORME DE DECOUVERTE D'INTERACTION AVEC UNE SONDE D'AFFINITE REACTIVE
- [72] LABENSKI, MATTHEW T., US
- [72] RETTENMAIER, TERRY J., US
- [72] JONES, LYN H., US
- [72] MUNCIPINTO, GIOVANNI, US
- [71] JNANA THERAPEUTICS INC., US
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- [54] JETONS SECURISES POUR CONTROLER L'ACCES A UNE RESSOURCE DANS UN RESEAU DE DISTRIBUTION DE RESSOURCES
- [72] DESHMUKH, PUSHPESH KUMAR, US
- [71] LANDIS+GYR INNOVATIONS, INC., US
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- [72] BELLENIE, BENJAMIN RICHARD, GB
- [72] BRENNAN, ALFIE, GB
- [72] CHEUNG, KWAI MING JACK, GB
- [72] DAVIS, OWEN ALEXANDER, GB
- [72] HARNDEN, ALICE CLAIRE, GB
- [72] HOELDER, SWEN, GB
- [72] HUCKVALE, ROSEMARY, GB
- [71] CANCER RESEARCH TECHNOLOGY LIMITED, GB
- [71] THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL, GB
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- [54] COMPOSITION FOR PREPARING SOY PROTEIN CONCENTRATE HAVING REDUCED PHYTIC ACID, AND USE THEREOF
- [54] COMPOSITION POUR LA PREPARATION D'UN CONCENTRE DE PROTEINE DE SOJA AYANT UNE TENEUR REDUITE EN ACIDE PHYTIQUE, ET SON UTILISATION
- [72] SEO, HYOJEONG, KR
- [72] LEE, IN, KR
- [72] HAN, SUNGWOOK, KR
- [72] KIM, SEONG BO, KR
- [71] CJ CHEILJEDANG CORPORATION, KR
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- [54] PROCEDE DE PREPARATION D'AGENTS IGNIFUGES CONTENANT DU PHOSPHORE ET LEUR UTILISATION DANS DES COMPOSITIONS POLYMERES
- [72] LEE, JULIA YUE, US
- [72] BONYHADY, SIMON J., US
- [72] HE, QINGLIANG, US
- [72] SHARMA, RAMESH, US
- [71] LANXESS CORPORATION, US
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- [54] SOUCHES DE PAENIBACILLUS ET LEURS METHODES D'UTILISATION
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- [72] GOERTZ, ANDREAS, DE
- [72] NEWMAN, ADAM, US
- [72] SCHWIENTEK, PATRICK, US
- [72] TAYLOR, COLLEEN S., US
- [72] TIAN, DONGLAN, US
- [72] TRAAG, BJORN A., US
- [71] BAYER CROPSCIENCE LP, US
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| [54] THERAPIE INTERNE PAR ULTRAVIOLETS   |
| [72] REZIAIE, ALI, US                    |
| [72] PIMENTEL, MARK, US                  |
| [72] MELMED, GIL Y., US                  |
| [72] MATHUR, RUCHI, US                   |
| [72] LEITE, GABRIELA GUIMARAES SOUSA, US |
| [71] CEDARS-SINAI MEDICAL CENTER, US     |
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| [25] EN   |
| [54] SYSTEM AND METHOD OF MATCHING REVERSE AUCTION BUYER BIDS TO SELLER OFFERS  |
| [54] SYSTEME ET PROCEDE POUR METTRE EN CORRESPONDANCE DES OFFRES D'ACHETEUR AVEC DES OFFRES DE VENDEUR DANS LE CADRE D'ENCHERES INVERSEES |
| [72] ZHUKOV, BORIS ALEKSANDROVICH, US   |
| [72] SHAO, GANG, US   |
| [71] LETYOUKNOW, INC., US   |
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| [54] DENTAL DEBRIS SEPARATOR  |
| [54] SEPARATEUR DE DEBRIS DENTAIRES   |
| [72] PREGENZER, BRUNO, AT   |
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| [54] DISPOSITIF DE STIMULATION ET SON UTILISATION |
| [72] SCHNELL, PASCAL, CH                          |
| [72] DEGEN, THOMAS, CH                            |
| [72] FENGELS, DIRK, CH                            |
| [72] MULLER-BRUHN, RONJA, CH                      |
| [71] STIMIT AG, CH                                |
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| [54] APPAREIL FACILITANT LA RESPIRATION ET UTILISATION CORRESPONDANTE  |
| [72] SCHNELL, PASCAL ANDRE, CH   |
| [72] DEGEN, THOMAS, CH   |
| [72] FENGELS, DIRK, CH   |
| [72] MULLER-BRUHN, RONJA, CH   |
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| [54] TUILE DE TAPIS OU BANDE DE TAPIS EN POLYESTER ET PROCEDE DE FABRICATION D'UNE TUILE DE TAPIS OU BANDE DE TAPIS EN POLYESTER   |
| [72] SCHOLIER, BERT, BE  |
| [71] DE POORTERE DECO SA, BE   |
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| [25] EN   |
| [54] POLYESTER TRANSPORT CARPET AND METHOD OF MANUFACTURING A POLYESTER TRANSPORT CARPET  |
| [54] TAPIS DE TRANSPORT EN POLYESTER ET PROCEDE DE FABRICATION D'UN TAPIS DE TRANSPORT EN POLYESTER   |
| [72] SCHOLIER, BERT, BE   |
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| [30] BE (BE2019/5715) 2019-10-17  |

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[13] A1

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  - [54] PROCEDE POUR FABRIQUER UN TUBE EN ALUMINIUM, PROCEDE POUR FABRIQUER UN PION EN ALUMINIUM, TUBE EN ALUMINIUM ET PION EN ALUMINIUM
  - [72] BITOUT, THIERRY, CZ
  - [72] GLITZNER, OLIVER, AT
  - [72] WIMMER, ALEXANDER, AT
  - [71] TUBEX TUBENFABRIK WOLFSBERG GMBH, AT
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- [25] EN
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- [54] CADRE DE COMPRESSION DE TEXTE DELIMITÉ PERSONNALISABLE
- [72] CHEUNG, YEE HIM, NL
- [71] KONINKLIJKE PHILIPS N.V., NL
- [85] 2022-04-12
- [86] 2020-10-15 (PCT/EP2020/078996)
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- [30] US (62/923,113) 2019-10-18
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  - [72] WORTMANN, LARS, DE
  - [72] GRAHAM, KEITH, DE
  - [72] BADER, BENJAMIN, DE
  - [72] HILLIG, ROMAN, DE
  - [72] SCHRODER, JENS, DE
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  - [71] BAYER AKTIENGESELLSCHAFT, DE
  - [85] 2022-04-12
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  - [87] (WO2021/074227)
  - [30] EP (19203282.9) 2019-10-15
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- [25] EN
- [54] AN IMPROVED COMPOSITION
- [54] COMPOSITION AMELIOREE
- [72] BOS, MASHA WINE SYLVIA, MU
- [72] SMIDT, JEROEN, MU
- [72] LAAN, ALEXANDER CORNELIS VAN DER, MU
- [72] DEGHATI, PAYMANEH YOUSEFZADEH FAAL, MU
- [71] UPL CORPORATION LIMITED, MU
- [71] UPL EUROPE LTD, GB
- [85] 2022-04-12
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- [87] (WO2021/074831)
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  - [54] MILIEU D'HYDRATATION ANTITACHES ET PRODUITS MEDICAUX LE CONTENANT
  - [72] PANESAR, SATWINDER S., US
  - [72] FARRELL, DAVID J., US
  - [71] HOLLISTER INCORPORATED, US
  - [85] 2022-04-12
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- [54] SNOW REMOVAL APPARATUS AND METHOD
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- [72] PLUMER, NICHOLAS, US
- [71] PLUMER, NICHOLAS, US
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[54] SECURITE ET AUTHENTIFICATION PAR ACIDE NUCLEIQUE  
[72] ROQUET, NATHANIEL, US  
[72] PARK, HYUNJUN, US  
[72] BHATIA, SWAPNIL P., US  
[72] LEAKE, DEVIN, US  
[71] CATALOG TECHNOLOGIES, INC., US  
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[25] EN  
[54] METHODS AND COMPOSITIONS FOR REDUCING ODOR AND BIOFILM  
[54] PROCEDES ET COMPOSITIONS POUR LA REDUCTION D'ODEUR ET DE BIOFILM  
[72] LINDSAY, JEFFREY DEAN, US  
[71] LINDSAY, JEFFREY DEAN, US  
[85] 2022-04-11  
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[87] (WO2021/076526)  
[30] US (62/914,552) 2019-10-13  
[30] US (62/931,213) 2019-11-05  
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[13] A1

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[25] EN  
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[54] SYSTEMES DE COMMUTATEURS DE RESEAUX POUR RESEAUX DE COMMUNICATIONS OPTIQUES  
[72] VEGURU, TULASI, US  
[72] WELCH, DAVID F., US  
[72] PLANTARE, MATS, US  
[72] PARANJAPE, PRASAD, US  
[72] CHIANG, TING-KUANG, US  
[72] ELMER, GUS, US  
[71] INFINERA CORPORATION, US  
[85] 2022-04-11  
[86] 2020-10-13 (PCT/US2020/055434)  
[87] (WO2021/072409)  
[30] US (62/913,354) 2019-10-10

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[13] A1

[51] Int.Cl. C12Q 1/686 (2018.01)  
[25] EN  
[54] APTAMER BASED SYSTEM TO QUANTIFY ANTI-THROMBIN III IN BLOOD  
[54] SYSTEME A BASE D'APTAMERES POUR QUANTIFIER L'ANTITHROMBINE III DANS LE SANG  
[72] SPIESS, BRUCE DAVIS, US  
[72] TAN, WEIHONG, US  
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US  
[85] 2022-04-11  
[86] 2020-10-14 (PCT/US2020/055484)  
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[13] A1

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[54] NOVEL INSECT RESISTANT GENES AND METHODS OF USE  
[54] NOUVEAUX GENES RESISTANTS AUX INSECTES ET PROCEDES D'UTILISATION  
[72] GARBERS, AMANDA MARIE, US  
[72] CHOUGULE, NANASAHEB, US  
[72] ZAITSEVA, JELENA, US  
[72] LEHTINEN, DUANE, US  
[72] BEYERLEIN, AARON, US  
[72] EBERLE, TIMOTHY, US  
[72] DING, LEI, US  
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US  
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[13] A1

[51] Int.Cl. E04B 1/32 (2006.01) E01F 5/00 (2006.01) E02D 29/045 (2006.01) E04B 1/343 (2006.01) E21D 11/18 (2006.01)  
[25] EN  
[54] STRUCTURAL PLATES AND METHODS OF CONSTRUCTING ARCH-SHAPED STRUCTURES USING STRUCTURAL PLATES  
[54] PLAQUES STRUCTURELLES ET PROCEDES DE CONSTRUCTION DE STRUCTURES EN FORME D'ARC A L'AIDE DE PLAQUES STRUCTURELLES  
[72] WILSON, MICHAEL W., CA  
[72] FORD, WAYNE W., CA  
[71] AIL INTERNATIONAL INC., CA  
[85] 2022-04-12  
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[54] CANNABIDIOL COMPOSITIONS FOR USE IN TREATING HEART CONDITIONS

[54] COMPOSITIONS DE CANNABIDIOL DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT DE PATHOLOGIES CARDIAQUES

[72] BOLTON, ANTHONY ERNEST, CA  
[72] RISTEVSKI, BLAGOJA, CA

[72] TORRE AMIONE, GUILLERMO, MX

[72] GARCIA RIVAS, GERARDO DE JESUS, MX

[72] LOZANO GARCIA, OMAR, MX

[71] CARDIOL THERAPEUTICS INC., CA

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[86] 2020-10-20 (PCT/CA2020/051405)

[87] (WO2021/077211)

[30] US (62/926,066) 2019-10-25

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[13] A1

[51] Int.Cl. B29B 9/12 (2006.01) B09B 3/00 (2022.01) B29B 9/10 (2006.01)

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[54] PRECONDITIONED RESIN AGGREGATE

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[72] THOMSON, DONALD WILLIAM, CR

[71] CRDC GLOBAL LIMITED, IE

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[87] (WO2020/082173)

[30] US (62/748,989) 2018-10-22

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[13] A1

[51] Int.Cl. G16H 50/30 (2018.01) G16H 20/70 (2018.01) G16H 50/20 (2018.01) A61B 5/024 (2006.01) A61B 5/08 (2006.01) A61B 5/16 (2006.01)

[25] EN

[54] METHODS AND SYSTEMS FOR DETERMINING EMOTIONAL CONNECTIVITY USING PHYSIOLOGICAL MEASUREMENTS FROM CONNECTED DEVICES

[54] PROCEDES ET SYSTEMES POUR DETERMINER UNE CONNECTIVITE EMOTIONNELLE A L'AIDE DE MESURES PHYSIOLOGIQUES A PARTIR DE DISPOSITIFS CONNECTES

[72] GORDON, SIAN ELIZABETH, CA

[72] ALLEN, SIAN VICTORIA, CA

[72] SMITH, TODD JAMES, CA

[72] JUNG, BRANDON SCOTT, CA

[72] CALDER, ELLISA KATHLEEN, CA

[72] KAILAY, NAVJOT, CA

[72] DOGURGA, KEREM, CA

[71] LULULEMON ATHLETICA CANADA INC., CA

[85] 2022-04-12

[86] 2020-11-13 (PCT/CA2020/051557)

[87] (WO2021/092701)

[30] US (62/936,203) 2019-11-15

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[13] A1

[51] Int.Cl. A61K 8/73 (2006.01) A61K 8/04 (2006.01) A61K 8/34 (2006.01) A61K 8/44 (2006.01) A61Q 5/00 (2006.01) A61Q 5/12 (2006.01)

[25] EN

[54] HAIR CARE FORMULATION

[54] FORMULATION DE SOINS CAPILLAIRE

[72] PICKERING, DANIEL, GB

[72] FISHER, CONAN, GB

[71] KDC/ONE SWALLOWFIELD LIMITED, GB

[85] 2022-04-12

[86] 2020-10-19 (PCT/GB2020/052627)

[87] (WO2021/074654)

[30] GB (1915166.1) 2019-10-19

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[13] A1

[51] Int.Cl. C12N 15/82 (2006.01) C12Q 1/68 (2018.01)

[25] EN

[54] HIGH YIELD EXTRACTION METHOD FOR AND PRODUCTS OF KANNA PLANTS

[54] PROCEDE D'EXTRACTION A HAUT RENDEMENT POUR ET PRODUITS DE PLANTES KANNA

[72] ARMAND, BYTTON, US

[71] PLANT SYNERGY INC., US

[85] 2022-04-12

[86] 2019-10-30 (PCT/US2019/058771)

[87] (WO2021/086345)

[21] **3,157,818**

[13] A1

[51] Int.Cl. G06Q 30/06 (2012.01) G06F 16/25 (2019.01)

[25] EN

[54] METHOD, APPARATUS, COMPUTER DEVICE, AND STORAGE MEDIUM FOR FUSING MULTI-SYSTEM MULTI-STORE ORDERS

[54] PROCEDE ET APPAREIL D'INTEGRATION DE COMMANDE DE SYSTEMES MULTIPLES ET DE MAGASINS MULTIPLES, DISPOSITIF D'ORDINATEUR ET SUPPORT D'INFORMATIONS

[72] LIU, JIANYANG, CN

[72] YANG, CHENGCHENG, CN

[72] HUANG, JIN, CN

[72] SHI, KAILI, CN

[72] NIE, XINXIN, CN

[71] 10353744 CANADA LTD., CA

[85] 2022-04-12

[86] 2020-07-29 (PCT/CN2020/105641)

[87] (WO2021/068607)

[30] CN (201910970189.X) 2019-10-12

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[51] Int.Cl. G06F 16/22 (2019.01)  
[25] EN  
[54] METHOD AND DEVICE FOR ARCHIVING OUTDATED DATA  
[54] METHODE, APPAREIL, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE POUR FUSIONNER DES COMMANDES DE MULTIPLES MAGASINS DE MULTIPLES SYSTEMES  
[72] XU, JUN, CN  
[72] ZHOU, YI, CN  
[72] SI, XIAOBO, CN  
[72] YE, GUOHUA, CN  
[71] 10353744 CANADA LTD., CA  
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[13] A1

[51] Int.Cl. C22C 38/16 (2006.01)  
[25] EN  
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[54] TUYAU UOE SOUDE NORMALISE ET SON PROCEDE DE FABRICATION  
[72] SUN, LEILEI, CN  
[72] XIE, SHIQIANG, CN  
[72] ZHANG, CHUANGUO, CN  
[72] ZHENG, LEI, CN  
[72] WANG, BO, CN  
[72] SHEN, YAN, CN  
[71] BAOSHAN IRON & STEEL CO., LTD., CN  
[85] 2022-04-12  
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[87] (WO2021/078131)  
[30] CN (201910998448.X) 2019-10-21

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[51] Int.Cl. C07B 57/00 (2006.01) C07D 471/04 (2006.01)  
[25] EN  
[54] PROCESS FOR PRODUCING ACYLOXYMETHYL ESTERS OF (4S)-(4-CYANO-2-METHOXYPHENYL)-5-ETHOXY-2,8-DIMETHYL-1,4-DIHYDRO-1,6-NAPHTHYRIDIN-3-CARBOXYLIC ACID  
[54] PROCEDE DE PRODUCTION DES ESTERS ACYLOXYMETHYLES D'ACIDE (4S)-(4-CYANO-2-METHOXYPHENYL)-5-ETHOXY-2,8-DIMETHYL-1,4-DIHYDRO-1,6-NAPHTYRIDIN-3-CARBOXYLIQUE  
[72] PLATZEK, JOHANNES, DE  
[72] LOVIS, KAI, DE  
[72] HERNANDEZ MARTIN, ALBA, DE  
[72] BRADY, SILJA, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[85] 2022-04-12  
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[30] EP (19203821.4) 2019-10-17

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[13] A1

[51] Int.Cl. G01F 1/74 (2006.01) G01F 1/84 (2006.01) G01N 9/00 (2006.01) G01N 29/00 (2006.01)  
[25] EN  
[54] ENHANCED SUPERCRITICAL FLUID MEASUREMENT WITH VIBRATORY SENSORS  
[54] MESURE DE FLUIDE SUPERCRITIQUE AMELIOREE A L'AIDE DE CAPTEURS VIBRATOIRES  
[72] PATTER, ANDREW TIMOTHY, US  
[72] PANKRATZ, ANTHONY WILLIAM, US  
[71] MICRO MOTION, INC., US  
[85] 2022-04-12  
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[13] A1

[51] Int.Cl. E06B 9/42 (2006.01) E06B 9/40 (2006.01) E06B 9/68 (2006.01) E06B 9/78 (2006.01) E06B 9/60 (2006.01) E06B 9/62 (2006.01) E06B 9/90 (2006.01)  
[25] EN  
[54] A KIT OF PARTS FOR ASSEMBLING A CONTROL ASSEMBLY FOR A ROLLER BLIND  
[54] KIT DE PIECES POUR L'ASSEMBLAGE D'UN ENSEMBLE DE COMMANDE POUR UN STORE A ROULEAU  
[72] DIAMOND, CORMAC, GB  
[72] MCCULLAGH, FRANK, GB  
[72] MCCULLAGH, KEVIN, GB  
[72] MCGIRR, PATRICK, GB  
[72] BLEAKLEY, KATHRYN, GB  
[71] FOURDS LIMITED, GB  
[85] 2022-04-12  
[86] 2020-10-12 (PCT/EP2020/078635)  
[87] (WO2021/083652)  
[30] GB (1915613.2) 2019-10-28

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[13] A1

[51] Int.Cl. B03D 1/02 (2006.01) B03B 7/00 (2006.01) C02F 1/24 (2006.01) C22B 15/00 (2006.01) C22B 23/00 (2006.01)  
[25] EN  
[54] METHOD FOR PROCESS WATER TREATMENT  
[54] PROCEDE POUR UN TRAITEMENT D'EAU DE PROCESSUS  
[72] JANSSON, KAJ, FI  
[71] METSO OUTOTEC FINLAND OY, FI  
[85] 2022-04-12  
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[87] (WO2021/084155)

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[13] A1

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  - [25] EN
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  - [54] PROCEDES ET SYSTEMES POUR L'ACQUISITION DE DONNEES CINEMATIQUES POUR UNE EVALUATION NEUROMOTRICE
  - [72] CARMONA DUARTE, MARIA CRISTINA, ES
  - [72] PLAMONDON, REJEAN, CA
  - [72] FACI, NADIR, CA
  - [71] POLYVALOR, LIMITED PARTNERSHIP, CA
  - [85] 2022-04-13
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  - [87] (WO2021/072531)
  - [30] US (62/916,325) 2019-10-17
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[13] A1

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- [25] EN
- [54] SYSTEM AND METHOD FOR MEASURING THE PROFILE OF A PART
- [54] SYSTEME ET PROCEDE DE MESURE DU PROFIL D'UNE PIECE
- [72] JACOT, PHILIPPE, CH
- [72] LAPORTE, SEBASTIEN, FR
- [72] PERRET, FREDERIC, FR
- [71] LDI FINANCES, FR
- [85] 2022-04-12
- [86] 2019-11-28 (PCT/IB2019/060289)
- [87] (WO2020/115621)
- [30] CH (01490/18) 2018-12-04

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  - [25] EN
  - [54] PROBIOTIC COMPOSITIONS AND METHODS
  - [54] COMPOSITIONS PROBIOTIQUES ET PROCEDES
  - [72] MATAR, CHANTAL, CA
  - [72] YAHFOUFI, NOUR, CA
  - [72] ISMAIL, NAFISSA, CA
  - [72] MALLET, JEAN-FRANCOIS, CA
  - [71] UNIVERSITY OF OTTAWA, CA
  - [85] 2022-04-13
  - [86] 2020-10-16 (PCT/CA2020/051385)
  - [87] (WO2021/072543)
  - [30] US (62/916,921) 2019-10-18
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[13] A1

- [51] Int.Cl. C22C 38/04 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01)
- [25] EN
- [54] HIGH TOUGHNESS HOT ROLLED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME
- [54] TOLE D'ACIER LAMEE A CHAUD A HAUTE RESISTANCE ET SON PROCEDE DE FABRICATION
- [72] PERLADE, ASTRID, FR
- [72] ZHU, KANGYING, FR
- [72] JUNG, CORALIE, FR
- [72] KEGEL, FREDERIC, FR
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  - [71] UNIVERSITY OF MANITOBA, CA
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- [54] **PROCEDE ET SYSTEME POUR UNE INTERFACE DESTINEE A FOURNIR DES RECOMMANDATIONS D'ACTIVITE**
- [72] ALLEN, SIAN VICTORIA, CA
- [72] WALLER, THOMAS MCCARTHY, CA
- [72] SANDE, PEDER RICHARD DOUGLAS, CA
- [72] CASGAR, AMANDA SUSANNE, CA
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- [71] LULULEMON ATHLETICA CANADA INC., CA
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- [72] JAYNE, MARK, US
- [72] SVIGRUHA, GERGELY, US
- [72] LIANG, RAYMOND, US
- [72] APONTE, GREGORY, US
- [71] ORCHARD TECHNOLOGIES, INC., US
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- [54] **COMMUTATEURS D'ARN EFFICACES ET SYSTEMES D'EXPRESSION ASSOCIES**
- [72] FARZAN, MICHAEL, US
- [72] ZHONG, GUOCAI, US
- [72] WANG, HAIMING, US
- [71] THE SCRIPPS RESEARCH INSTITUTE, US
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- [54] **PROCEDE POUR LE TRAITEMENT DU CANCER**
- [72] HSU, HUNG-KUN, CN
- [71] ACURA NANOMEDICINE CORPORATION, TW
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- [54] **ENSEMBLE RACCORD COMPRENANT UN RACCORD ET UN ORIFICE**
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- [54] **MODIFICATEUR DE DERIVE CYCLIQUE A QUATRE CHAINONS, PROCEDE DE PREPARATION ET APPLICATION DE CELUI-CI**
- [72] SU, YIDONG, CN
- [72] MAO, XIAOFENG, CN
- [72] LI, KAILONG, CN
- [72] WANG, JUN, CN
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ENERGY TRANSMISSION  
[54] DISPOSITIF ET METHODE DE  
TRANSMISSION D'ENERGIE  
[72] KAPITAN, EUGEN, DE  
[72] PASLER, SEBASTIAN, DE  
[72] BERTELS, ANDRE, DE  
[72] GLUCKHARDT, REIMUND, DE  
[72] ALTMEPPEN, RAINER, DE  
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[25] EN  
[54] METHOD FOR PRODUCING A  
SCREW FOUNDATION FOR  
SECURING ELEMENTS IN THE  
GROUND  
[54] PROCEDE DE PRODUCTION  
D'UNE FONDATION A VIS POUR  
LA FIXATION D'ELEMENTS  
DANS LE SOL  
[72] RUDERT, BERND, DE  
[72] HECKER, KARL-HEINZ, DE  
[72] POTTGUTER, RALF, DE  
[71] WINKELMANN POWERTRAIN  
COMPONENTS GMBH & CO. KG,  
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CANCER COMPOUNDS  
[54] COMPOSES ANTICANCERUEX A  
LARGE SPECTRE  
[72] RANA, TARIQ M., US  
[71] THE REGENTS OF THE  
UNIVERSITY OF CALIFORNIA, US  
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[86] 2020-10-14 (PCT/US2020/055568)  
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CANCER WITH A STING  
AGONIST  
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CANCER AVEC UN AGONISTE DE  
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[72] CHEN, ZHIJIAN, US  
[72] SUN, LIJUN, US  
[71] IMMUNESENSOR THERAPEUTICS,  
INC., US  
[71] THE BOARD OF REGENTS OF THE  
UNIVERSITY OF TEXAS SYSTEM,  
US  
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CONTROLLING ACCESS TO A  
RESOURCE IN A RESOURCE  
DISTRIBUTION NETWORK  
[54] JETONS SECURISES POUR  
CONTROLE L'ACCES A UNE  
RESSOURCE DANS UN RESEAU  
DE DISTRIBUTION DE  
RESSOURCES  
[72] DESHMUKH, PUSHPESH KUMAR,  
US  
[71] LANDIS+GYR INNOVATIONS, INC.,  
US  
[85] 2022-04-12  
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[72] DESHMUKH, PUSHPESH KUMAR,  
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US  
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D02G 3/22 (2006.01) D07B 1/14  
(2006.01)
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- [54] ELEMENT DE NETTOYAGE
- [72] THYSON, DIANA, DE
- [72] VAN LOYEN, DIETMAR, DE
- [72] SANZ, EDUARD, ES
- [71] CARL FREUDENBERG KG, DE
- [85] 2022-04-13
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- [30] DE (10 2019 127 619.5) 2019-10-14

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WAVEFORM CODING OF AUDIO  
SIGNALS WITH A GENERATIVE  
MODEL
- [54] PROCEDES ET SYSTEME DE  
CODAGE DE FORME D'ONDE DE  
SIGNAUX AUDIO AVEC UN  
MODELE GENERATIF
- [72] KLEJSA, JANUSZ, US
- [72] BISWAS, ARIJIT, US
- [72] VILLEMOES, LARS, US
- [72] FEJGIN, ROY M., US
- [72] ZHOU, CONG, US
- [71] DOLBY LABORATORIES  
LICENSING CORPORATION, US
- [71] DOLBY INTERNATIONAL AB, NL
- [85] 2022-04-12
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- [30] US (62/923,225) 2019-10-18
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A61M 39/10 (2006.01)
- [25] EN
- [54] RAPIDLY INSERTABLE  
CENTRAL CATHETER AND  
METHODS THEREOF
- [54] CATHETER CENTRAL A  
INSERTION RAPIDE ET  
PROCEDES ASSOCIES
- [72] HOWELL, GLADE HAROLD, US
- [71] BARD ACCESS SYSTEMS, INC., US
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- [72] YANG, XIANGKUN, US
- [71] REGENERON PHARMACEUTICALS, INC., US
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- [86] 2020-10-19 (PCT/US2020/056368)
- [87] (WO2021/077106)
- [30] US (62/916,876) 2019-10-18
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- [54] RAPIDLY INSERTABLE CENTRAL CATHETERS AND METHODS THEREOF
- [54] CATHETERS CENTRAUX A INSERTION RAPIDE ET PROCEDES ASSOCIES
- [72] HOWELL, GLADE HAROLD, US
- [71] BARD ACCESS SYSTEMS, INC., US
- [85] 2022-04-12
- [86] 2020-10-22 (PCT/US2020/056864)
- [87] (WO2021/081205)
- [30] US (62/924,582) 2019-10-22

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- [25] EN
- [54] SYSTEMS AND METHODS FOR IDENTIFYING COMPLIANCE-RELATED INFORMATION ASSOCIATED WITH DATA BREACH EVENTS
- [54] SYSTEMES ET PROCEDES D'IDENTIFICATION D'INFORMATIONS LIEES A LA CONFORMITE ASSOCIEES A DES EVENEMENTS DE VIOLATION DE DONNEES

- [72] NICKL, RALPH, US
- [72] SEARS, ORAN, US
- [71] CANOPY SOFTWARE INC., US
- [85] 2022-04-12
- [86] 2020-10-24 (PCT/US2020/057245)
- [87] (WO2021/081464)
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- [25] EN
- [54] OSTEOTOMY SYSTEM AND METHOD OF USE
- [54] SYSTEME D'OSTEOTOMIE ET PROCEDE D'UTILISATION
- [72] ORBAY, JORGE, US
- [72] COOKE, BRIAN, US
- [72] TREMOLS, EDWARD, US
- [71] SKELETAL DYNAMICS, INC., US
- [85] 2022-04-12
- [86] 2020-10-29 (PCT/US2020/057845)
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- [25] EN
- [54] WHEEL HUB ASSEMBLY
- [54] ENSEMBLE MOYEU DE ROUE
- [72] REGAN, CONNOR, US
- [72] KHANNA, SAMANT, US
- [71] CONSOLIDATED METCO, INC., US
- [85] 2022-04-12
- [86] 2020-10-30 (PCT/US2020/058215)
- [87] (WO2021/087259)
- [30] US (62/929,376) 2019-11-01

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- [25] EN
- [54] THREE-DIMENSIONAL, COLOR-CHANGING OBJECTS INCLUDING A LIGHT-TRANSMISSIVE SUBSTRATE AND AN ELECTROPHORETIC MEDIUM
- [54] OBJETS TRIDIMENSIONNELS CHANGEANT DE COULEUR COMPRENANT UN SUBSTRAT TRANSMETtant LA LUMIERE ET UN MILIEU ELECTROPHORETIQUE
- [72] BULL, STEPHEN, US
- [71] E INK CORPORATION, US
- [85] 2022-04-12
- [86] 2020-11-04 (PCT/US2020/058778)
- [87] (WO2021/091936)
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- [25] EN
- [54] METHODS FOR DRIVING ELECTRO-OPTIC DISPLAYS
- [54] PROCEDES D'EXCITATION DE DISPOSITIFS D'AFFICHAGE ELECTRO-OPTIQUES
- [72] SIM, TECK PING, US
- [72] BEN-DOV, YUVAL, US
- [71] E INK CORPORATION, US
- [85] 2022-04-12
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  - [54] FEATURE DETECTION IN SEISMIC DATA
  - [54] DETECTION DE CARACTERISTIQUES DE DONNEES SISMIQUES
  - [72] MANIKANI, SUNIL, IN
  - [72] PATHAK, KARAN, IN
  - [72] NOVENITA, GAYATRI, IN
  - [72] MANIAR, HIREN, US
  - [72] ABUBAKAR, ARIA, US
  - [71] SCHLUMBERGER CANADA LIMITED, CA
  - [85] 2022-04-12
  - [86] 2020-10-07 (PCT/US2020/070626)
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- [54] PROTHESE PENIENNE GONFLABLE AVEC CANAUX DANS LA VALVE DE L'ENSEMBLE DE GUIDAGE
- [72] DILORETO, MARK EDWARD, US
- [72] MUJWID, JAMES RYAN, US
- [72] BOSTROM, JOHN ANDERS, US
- [72] FREDRICK, RYAN EARL, US
- [71] BOSTON SCIENTIFIC SCIMED, INC., US
- [85] 2022-04-12
- [86] 2020-12-09 (PCT/US2020/070890)
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- [30] US (62/967,319) 2020-01-29
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- [54] INDICATOR COMPOUNDS, DEVICES COMPRISING INDICATOR COMPOUNDS, AND METHODS OF MAKING AND USING THE SAME
- [54] COMPOSES INDICATEURS, DISPOSITIFS COMPRENANT DES COMPOSES INDICATEURS, ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION
- [72] KRISHNAMANI, VENKATRAMANAN, US
- [72] BALASHOV, SERGEI PETROVICH, US
- [72] PAULEY, KEVIN HUGHES, US
- [72] LONG, RUIQI, US
- [72] VO, HUNG THE, US
- [71] CERCACOR LABORATORIES, INC., US
- [85] 2022-04-12
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- [25] EN
  - [54] CONJUGATE MOLECULES
  - [54] MOLECULES CONJUGUEES
  - [72] HERSHBERGER, PAUL, US
  - [72] ARLEN, PHILIP, US
  - [71] DIVERSE BIOTECH, INC., US
  - [85] 2022-04-12
  - [86] 2020-06-24 (PCT/US2020/039267)
  - [87] (WO2021/076197)
  - [30] US (62/915,352) 2019-10-15
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  - [25] EN
  - [54] COMPOUNDS FOR TARGETED DEGRADATION OF CARRIER PROTEINS AND USES THEREOF
  - [54] COMPOSES POUR LA DEGRADATION CIBLEE DE PROTEINES PORTEUSES ET UTILISATIONS ASSOCIEES
  - [72] BENSIMON, ARIEL, AT
  - [72] WINTER, GEORG, AT
  - [72] SUPERTI-FURGA, GULIO, AT
  - [71] CEMM - FORSCHUNGSZENTRUM FUR MOLEKULARE MEDIZIN GMBH, AT
  - [85] 2022-04-13
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- [25] EN
  - [54] THREE-DIMENSIONAL CLEANING TEXTILE AND METHOD FOR THE PRODUCTION THEREOF
  - [54] TEXTILE DE NETTOYAGE TRIDIMENSIONNEL ET PROCEDE POUR LE PRODUIRE
  - [72] JURGENS, MARTINA, DE
  - [72] BARGON, PETRA, DE
  - [71] CARL FREUDENBERG KG, DE
  - [85] 2022-04-13
  - [86] 2020-10-19 (PCT/EP2020/079312)
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  - [30] DE (10 2019 129 183.6) 2019-10-29

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- [54] MRNAS ENCODING GRANULOCYTE-MACROPHAGE COLONY STIMULATING FACTOR FOR TREATING PARKINSON'S DISEASE
- [54] ARNM CODANT POUR UN FACTEUR DE STIMULATION DE COLONIES DE GRANULOCYTES-MACROPHAGES POUR LE TRAITEMENT DE LA MALADIE DE PARKINSON
- [72] HUANG, ERIC YI-CHUN, US
- [72] IACOVELLI, JARED, US
- [72] DE PICCIOTTO, SEYMOUR, US
- [72] TSE, SZE-WAH, US
- [72] KENNEY, LAURIE, US
- [72] OLSON, KATHERINE, US
- [72] GENDELMAN, HOWARD, US
- [72] MOSLEY, R. LEE, US
- [71] MODERNATX, INC., US
- [71] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US
- [85] 2022-04-13
- [86] 2020-10-15 (PCT/US2020/055852)
- [87] (WO2021/076811)
- [30] US (62/915,317) 2019-10-15
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- [25] EN
- [54] A DISPENSER FOR CELLULOSE PRODUCTS IN SHEET FORM
- [54] DISTRIBUTEUR DE PRODUITS CELLULOSIQUES SOUS LA FORME D'UNE FEUILLE
- [72] LAZZARESCHI, LUIGI, IT
- [71] SOFIDEL S.P.A., IT
- [85] 2022-04-13
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- [25] EN
- [54] NEW METAL-ORGANIC FRAMEWORKS AND THEIR USE FOR ENCAPSULATION OF FLUORESCENT DYES
- [54] NOUVELLES STRUCTURES ORGANOMETALLIQUES ET LEUR UTILISATION POUR L'ENCAPSULATION DE COLORANTS FLUORESCENTS
- [72] SHUBIN, KIRILL, LV
- [72] BARAN, ANDREI, LV
- [72] BELYAKOV, SERGEY, LV
- [72] KRUKLE-BERZINA, KRISTINE, LV
- [72] MISNOVS, ANATOLIJS, LV
- [71] LATVIAN INSTITUTE OF ORGANIC SYNTHESIS, LV
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- [25] EN
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- [54] PROCEDE DE PREPARATION DE CHLORURE DE THIOPHOSPHORYLE ET D'ACEPHATE
- [72] SHROFF, RAJU DEVIDAS, IN
- [72] PRASAD, VIC, IN
- [72] DESAI, AMUL MANUBHAI, IN
- [72] WANKHADE, GOPALRAO ATUL, IN
- [72] KATARIA, LILARAM KAMAL, IN
- [72] TIWARI, RAJ KUMAR, IN
- [72] ARORA, RAJ KUMAR, IN
- [71] UPL LIMITED, IN
- [85] 2022-04-13
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- [30] IN (201921042520) 2019-10-19

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- [25] EN
- [54] PACKAGING
- [54] EMBALLAGE
- [72] ADAM, MICHAEL, LU
- [72] CARMICHAEL, ADRIAN, GB
- [72] DIXON, MARK, GB
- [72] RENARD, GREGORY, BE
- [71] COLORMATRIX HOLDINGS, INC., US
- [71] AVIENT CORPORATION, US
- [85] 2022-04-13
- [86] 2020-10-15 (PCT/IB2020/059702)
- [87] (WO2021/084363)
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- [25] EN
- [54] PRESSURE SENSOR
- [54] CAPTEUR DE PRESSION
- [72] MONICHINO, MASSIMO, CH
- [71] METALLUX SA, CH
- [85] 2022-04-13
- [86] 2020-10-15 (PCT/IB2020/059707)
- [87] (WO2021/074846)
- [30] IT (102019000019274) 2019-10-18

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- [25] EN
- [54] CORE BARREL HEAD ASSEMBLY
- [54] ENSEMBLE TETE DE CAROTTIER
- [72] LACHANCE, ANTHONY, CA
- [72] PRIMEVERT, VINCENT, CA
- [72] DRENTH, CHRISTOPHER L., CA
- [71] BLY IP INC., US
- [85] 2022-04-13
- [86] 2020-10-16 (PCT/US2020/055913)
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- [30] US (62/916,585) 2019-10-17

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[25] EN  
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[54] GESTION DE PRODUITS RECYCLABLES ET LEURS MATERIAUX SOURCES  
[72] ALON, HAGGAI, IL  
[72] NAHUM, TEHLA, IL  
[72] YORAN, NADAV, IL  
[71] SECURITY MATTERS LTD., IL  
[85] 2022-04-13  
[86] 2020-10-15 (PCT/IL2020/051099)  
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[54] TLR7/8 AGONISTS TO ENHANCE IMMUNE RESPONSES IN OPIOID USING INDIVIDUALS  
[54] AGONISTES DE TLR7/8 POUR AMELIORER LES REPONSES IMMUNITAIRES CHEZ DES INDIVIDUS CONSOMMANT DES OPIOIDES  
[72] DOWLING, DAVID J., US  
[72] LEVY, OFER, US  
[72] MILLER, SHANNON, US  
[72] LEVY, SHARON, US  
[72] EVANS, JAY, US  
[72] PRAVETONI, MARCO, US  
[72] BURKHART, DAVID, US  
[72] SONI, DHEERAJ, US  
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US  
[71] THE UNIVERSITY OF MONTANA, US  
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US  
[85] 2022-04-13  
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[54] PROCEDE ET SYSTEME DE GENERATION DE DONNEES SYNTETIQUES A L'AIDE D'UN MODELE DE REGRESSION TOUT EN PRESERVANT LES PROPRIETES STATISTIQUES DE DONNEES SOUS-JACENTES  
[72] SRIVASTAVA, ASHOK N., US  
[72] JERE, MALHAR SIDDHESH, US  
[72] VENKATASUBBAIAH, SUMANTH, US  
[72] SOARES, CAIO VINICIUS, US  
[72] KUMAR, SRICHARAN KALLUR PALLI, US  
[71] INTUIT INC., US  
[85] 2022-04-14  
[86] 2020-05-22 (PCT/US2020/034392)  
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[54] EYEWEAR WITH VARIABLE COMPRESSION CUSHION AND IMPROVED MOISTURE MANAGEMENT  
[54] LUNETTES A COUSSIN DE COMPRESSION VARIABLE ET A GESTION AMELIOREE DE L'HUMIDITE  
[72] MEUNIER, BENJAMIN JOHN, US  
[72] O'KEENE, DUGAN, US  
[72] SAYLOR, RYAN NEIL, US  
[72] BURNS, CAMERON SCOTT, US  
[71] OAKLEY, INC., US  
[85] 2022-04-14  
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[25] EN  
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[54] MOUSSE MARINE PULVERISABLE  
[72] TAYLOR, ANTHONY J., US  
[72] SHINKO, ANDREW P., US  
[71] ICP CONSTRUCTION, INC., US  
[85] 2022-04-14  
[86] 2020-10-12 (PCT/US2020/055190)  
[87] (WO2021/076435)  
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[51] Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01)  
[25] EN  
[54] CLEC12A ANTIBODY FRAGMENT SEQUENCES AND METHODS  
[54] SEQUENCES DE FRAGMENTS D'ANTICORPS CLEC12A ET PROCEDES  
[72] FELICES, MARTIN, US  
[72] MILLER, JEFFREY S., US  
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US  
[85] 2022-04-14  
[86] 2020-10-14 (PCT/US2020/055468)  
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  - [25] EN
  - [54] **METHOD OF NORMALIZING THE NEUTROPHIL TO LYMPHOCYTE RATIO IN CANCER PATIENTS WITH A SELECTIVE GLUCOCORTICOID RECEPTOR ANTAGONIST**
  - [54] **PROCEDE DE NORMALISATION DU RAPPORT ENTRE LES NEUTROPHILES ET LES LYMPHOCYTES CHEZ DES PATIENTS CANCEREUX AU MOYEN D'UN ANTAGONISTE SELECTIF DES RECEPTEURS AUX GLUCOCORTICOIDES**
  - [72] GREENSTEIN, ANDREW, US
  - [72] LU, LAWRENCE, US
  - [72] CUSTODIO, JOSEPH, US
  - [72] SHEPHERD, STACIE, US
  - [71] CORCEPT THERAPEUTICS INCORPORATED, US
  - [85] 2022-04-14
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  - [87] (WO2021/076565)
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- [25] EN
- [54] **TAILGATE UTILITY RAIL AND ATTACHMENTS**
- [54] **RAIL UTILITAIRE DE HAYON ET ACCESSOIRES**
- [72] CHAMBERS, CASEY M., US
- [72] MCLAMB, W. SCOTT, US
- [71] RAILIAS HOLDINGS, LLC, US
- [85] 2022-04-14
- [86] 2020-10-14 (PCT/US2020/055539)
- [87] (WO2021/076597)
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  - [25] EN
  - [54] **FLAVOR ALTERING AND/OR SWEETNESS ENHANCING COMPOSITIONS AND METHODS AND FOOD AND BEVERAGE PRODUCTS BASED THEREON**
  - [54] **COMPOSITIONS DE MODIFICATION DE LA SAVEUR ET/OU D'AMELIORATION DE LA SUCROSITE ET PROCEDES ET PRODUITS ALIMENTAIRES ET DE BOISSON A BASE DE CELLES-CI**
  - [72] FLETCHER, JOSHUA, US
  - [72] BRIDGES, JOHN, US
  - [72] CARR, JAMES, US
  - [72] CARABANTE, KENNETH, US
  - [72] KLEINER, LESLIE, US
  - [72] WANG, XIAOQING, US
  - [72] ALBERT, BRIAN, US
  - [71] TATE & LYLE SOLUTIONS USA LLC, US
  - [85] 2022-04-14
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  - [87] (WO2021/076608)
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- [25] EN
- [54] **AUTOMATED TREATMENT OF MACROMOLECULES FOR ANALYSIS AND RELATED APPARATUS**
- [54] **TRAITEMENT AUTOMATISE DE MACROMOLECULES POUR ANALYSE ET APPAREIL ASSOCIE**
- [72] BURCHAM, TIMOTHY SCOTT, US
- [72] CHEE, MARK S., US
- [72] GUNDERSON, KEVIN L., US
- [71] ENCODIA, INC., US
- [85] 2022-04-14
- [86] 2020-10-14 (PCT/US2020/055612)
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- [30] US (62/923,406) 2019-10-18

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  - [25] EN
  - [54] **METHODS OF IMPROVED CAVERN RUBBLIZATION FOR ENHANCED POTASH RECOVERY**
  - [54] **PROCEDES DE FRAGMENTATION PAR RESONANCE DE CAVERNE AMELIOREE POUR RECUPERATION DE POTASSE AMELIOREE**
  - [72] RINAS, SHELDON, US
  - [72] HUYGHEBAERT, SARAH, US
  - [72] PETERS, JASON, US
  - [72] LAMONTAGNE, SHAYNE, US
  - [72] SPRING, JASON, US
  - [72] HOWARD, TYLER, US
  - [71] THE MOSAIC COMPANY, US
  - [85] 2022-04-14
  - [86] 2020-10-15 (PCT/US2020/055786)
  - [87] (WO2021/076759)
  - [30] US (62/915,072) 2019-10-15
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- [51] Int.Cl. G01C 11/06 (2006.01) G06T 7/70 (2017.01) G06T 7/77 (2017.01) G01C 21/32 (2006.01) G06K 9/00 (2022.01) G06T 7/60 (2017.01)
- [25] EN
- [54] **NAVIGATION USING SELECTED VISUAL LANDMARKS**
- [54] **NAVIGATION A L'AIDE DE POINTS DE REPERE VISUELS SELECTIONNES**
- [72] KERZNER, DANIEL TODD, US
- [72] REZVANI, BABAK, US
- [72] TOURNIER, GLENN, US
- [72] SEYFI, AHMAD, US
- [72] MADDEN, DONALD GERARD, US
- [72] MEYER, TIMON, US
- [71] ALARM.COM INCORPORATED, US
- [85] 2022-04-14
- [86] 2020-10-15 (PCT/US2020/055827)
- [87] (WO2021/076789)
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| <p>[21] <b>3,158,126</b><br/>[13] A1</p> <p>[51] Int.Cl. A61M 16/04 (2006.01)</p> <p>[25] EN</p> <p>[54] ENDOTRACHEAL TUBE</p> <p>[54] TUBE ENDOTRACHEAL</p> <p>[72] BERARD, DAVID, US</p> <p>[72] TREVINO, ISAAC, US</p> <p>[72] RESTREPO, DAVID, US</p> <p>[72] HOOD, ROBERT L., US</p> <p>[72] DELORENZO, ROBERT, US</p> <p>[72] FENG, YUSHENG, US</p> <p>[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US</p> <p>[85] 2022-04-14</p> <p>[86] 2020-10-16 (PCT/US2020/056090)</p> <p>[87] (WO2021/076971)</p> <p>[30] US (62/916,011) 2019-10-16</p> |
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| <p>[21] <b>3,158,127</b><br/>[13] A1</p> <p>[51] Int.Cl. G01L 13/00 (2006.01) G01L<br/>13/02 (2006.01) G01L 13/04 (2006.01)<br/>G01P 13/00 (2006.01)</p> <p>[25] EN</p> <p>[54] DIRECTIONAL DIFFERENTIAL PRESSURE DETECTOR</p> <p>[54] DETECTEUR DE PRESSION DIFFÉRENTIELLE DIRECTIONNELLE</p> <p>[72] WISEMAN, BRIAN M., US</p> <p>[71] AIRFLOW DIRECTION, INC., US</p> <p>[85] 2022-04-14</p> <p>[86] 2020-10-17 (PCT/US2020/056193)</p> <p>[87] (WO2021/077048)</p> <p>[30] US (62/923,464) 2019-10-18</p> <p>[30] US (62/924,679) 2019-10-22</p> |
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| <p>[21] <b>3,158,129</b><br/>[13] A1</p> <p>[51] Int.Cl. E21B 10/567 (2006.01) E21B<br/>10/55 (2006.01)</p> <p>[25] EN</p> <p>[54] CUTTER WITH GEOMETRIC CUTTING EDGES</p> <p>[54] DISPOSITIF DE COUPE A BORDS DE COUPE GEOMETRIQUES</p> <p>[72] GAN, XIAOGE, US</p> <p>[72] ZHANG, YOUHE, US</p> <p>[71] SCHLUMBERGER CANADA LIMITED, CA</p> <p>[85] 2022-04-14</p> <p>[86] 2020-10-19 (PCT/US2020/056269)</p> <p>[87] (WO2021/080900)</p> <p>[30] US (62/923,754) 2019-10-21</p> |
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| <p>[21] <b>3,158,130</b><br/>[13] A1</p> <p>[51] Int.Cl. G01B 5/00 (2006.01) G01B<br/>5/14 (2006.01)</p> <p>[25] EN</p> <p>[54] FOAM DISPLACEMENT INDICATOR</p> <p>[54] INDICATEUR DE DEPLACEMENT DE MOUSSE</p> <p>[72] BRUMMIT, RICHARD KENJI, US</p> <p>[71] IRVIN AUTOMOTIVE PRODUCTS, LLC, US</p> <p>[85] 2022-04-14</p> <p>[86] 2020-10-19 (PCT/US2020/056310)</p> <p>[87] (WO2021/080916)</p> <p>[30] US (16/660,154) 2019-10-22</p> |
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| <p>[21] <b>3,158,131</b><br/>[13] A1</p> <p>[51] Int.Cl. C12N 15/85 (2006.01) C12N<br/>15/113 (2010.01) A61K 48/00<br/>(2006.01) A61P 25/00 (2006.01) C07K<br/>14/47 (2006.01) C12N 7/01 (2006.01)<br/>C12N 15/12 (2006.01) C12N 15/864<br/>(2006.01)</p> <p>[25] EN</p> <p>[54] MATERIALS AND METHODS FOR THE TREATMENT OF DISORDERS ASSOCIATED WITH MUTATIONS IN THE IRF2BPL GENE</p> <p>[54] MATERIAUX ET PROCEDES POUR LE TRAITEMENT DE TROUBLES ASSOCIES AU GENE IRF2BPL</p> <p>[72] WEIN, NICOLAS SEBASTIEN, US</p> <p>[72] MEYER, KATHRIN CHRISTINE, US</p> <p>[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US</p> <p>[85] 2022-04-14</p> <p>[86] 2020-10-19 (PCT/US2020/056358)</p> <p>[87] (WO2021/077101)</p> <p>[30] US (62/923,432) 2019-10-18</p> |
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[25] EN  
[54] SYSTEM AND METHOD FOR MARINE PROPULSION WITH LOW ACOUSTIC NOISE  
[54] SYSTEME ET PROCEDE DE PROPULSION MARINE A FAIBLE BRUIT ACOUSTIQUE  
[72] SINCLAIR, PAUL LINCOLN, US  
[71] SINCLAIR, PAUL LINCOLN, US  
[85] 2022-04-14  
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[87] (WO2021/081048)  
[30] US (62/924,631) 2019-10-22

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[13] A1

[51] Int.Cl. A61B 5/00 (2006.01) A61B 5/0215 (2006.01)  
[25] EN  
[54] SENSOR INTEGRATION IN CARDIAC IMPLANT DEVICES  
[54] INTEGRATION DE CAPTEUR DANS DES DISPOSITIFS D'IMPLANT CARDIAQUE  
[72] POOL, SCOTT LOUIS, US  
[72] MCCONELL, STEVEN, US  
[72] MIRI, BEHNOOD, US  
[72] MURRAY, DANIEL JAMES, US  
[72] ISLAS, JOSE, US  
[72] VALDEZ, MICHAEL G., US  
[71] EDWARDS LIFESCIENCES CORPORATION, US  
[85] 2022-04-14  
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[13] A1

[51] Int.Cl. H04W 74/08 (2009.01)  
[25] EN  
[54] TERMINAL AND COMMUNICATION METHOD  
[54] TERMINAL ET PROCEDE DE COMMUNICATION  
[72] OHARA, TOMOYA, JP  
[71] NTT DOCOMO, INC., JP  
[85] 2022-04-13  
[86] 2019-11-07 (PCT/JP2019/043776)  
[87] (WO2021/090462)

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[51] Int.Cl. H03H 17/06 (2006.01)  
[25] EN  
[54] FILTER DEVICE  
[54] DISPOSITIF DE FILTRE  
[72] YAMASHITA, YASUTAKA, JP  
[72] TANI, SHIGENORI, JP  
[72] KANEKO, KAZUMA, JP  
[72] UCHIDA, SHIGERU, JP  
[71] MITSUBISHI ELECTRIC CORPORATION, JP  
[85] 2022-04-13  
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[87] (WO2021/124413)

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[13] A1

[51] Int.Cl. G06Q 10/06 (2012.01) G16H 70/20 (2018.01)  
[25] EN  
[54] METHOD FOR TRAINING PROCESS ANALYSIS  
[54] PROCEDE D'APPRENTISSAGE D'ANALYSE DE PROCESSUS  
[72] KERBIRIOU, CORENTIN, FR  
[72] REYDON, HENRI, FR  
[72] HONION, JEFFREY, FR  
[72] PACINI, LAURIE, FR  
[71] UNIVERSITE DE LORRAINE, FR  
[85] 2022-04-14  
[86] 2020-10-16 (PCT/EP2020/079220)  
[87] (WO2021/074383)  
[30] EP (19306352.6) 2019-10-17  
[30] US (16/655,700) 2019-10-17

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[13] A1

[51] Int.Cl. C07K 14/11 (2006.01) A61K 39/145 (2006.01)  
[25] EN  
[54] INFLUENZA VIRUS VACCINES AND USES THEREOF  
[54] VACCINS CONTRE LE VIRUS DE LA GRIPPE ET LEURS UTILISATIONS  
[72] BRANDENBURG, BOERRIES, NL  
[72] LANGEDIJK, JOHANNES PETRUS MARIA, NL  
[72] RITSCHEL, TINA, NL  
[72] MILDER, FERDINAND JACOBUS, NL  
[72] JONGENEELLEN, MANDY ANTONIA CATHARINA, NL  
[71] JANSSEN VACCINES & PREVENTION B.V., NL  
[85] 2022-04-14  
[86] 2020-10-15 (PCT/EP2020/079017)  
[87] (WO2021/074286)  
[30] US (62/915,186) 2019-10-15

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| <p style="text-align: right;"><b>[21] 3,158,150</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 31/4706 (2006.01) A61P 35/00 (2006.01) C07D 215/42 (2006.01) C07D 215/44 (2006.01) C07D 215/46 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 405/12 (2006.01) C07D 417/14 (2006.01) C07D 491/107 (2006.01) C07D 498/04 (2006.01)</p> <p>[25] EN</p> <p>[54] 3-PHENYLSULPHONYL-QUINOLINE DERIVATIVES AS AGENTS FOR TREATING PATHOGENIC BLOOD VESSELS DISORDERS</p> <p>[54] DERIVES DE 3-PHENYLSULFONYL-QUINOLEINE EN TANT QU'AGENTS POUR LE TRAITEMENT DE TROUBLES DES VAISSEAUX SANGUINS PATHOGENES</p> <p>[72] SUN, HUI, US</p> <p>[72] SUN, PU, US</p> <p>[72] CHENG, GUO, US</p> <p>[72] AU, ADRIAN CHICHUEN, US</p> <p>[72] ZHONG, MING, US</p> <p>[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US</p> <p>[71] ATENGEN, INC., US</p> <p>[85] 2022-04-13</p> <p>[86] 2020-10-16 (PCT/US2020/055979)</p> <p>[87] (WO2021/076886)</p> <p>[30] US (62/916,983) 2019-10-18</p> |
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| <p style="text-align: right;"><b>[21] 3,158,153</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 31/122 (2006.01) C07C 49/242 (2006.01) C07D 311/02 (2006.01) C07D 311/94 (2006.01)</p> <p>[25] EN</p> <p>[54] TROPOLONE DERIVATIVES AND TAUTOMERS THEREOF FOR IRON REGULATION IN ANIMALS</p> <p>[54] DERIVES DE TROPOLONE ET LEURS TAUTOMERES POUR LA REGULATION DU FER CHEZ LES ANIMAUX</p> <p>[72] CHAO, JIANHUA, US</p> <p>[72] HOLLENBACH, STANLEY J., US</p> <p>[72] HOLMES, MICHAEL CHRISTOPHER, US</p> <p>[72] MATJE, DOUGLAS M., US</p> <p>[72] SNEAD, NICHOLAS M., US</p> <p>[72] BERGNES, GUSTAVE, US</p> <p>[72] MELLEM, KEVIN T., US</p> <p>[72] MORGANS, DAVID JOHN, US</p> <p>[71] AMBYS MEDICINES, INC., US</p> <p>[85] 2022-04-13</p> <p>[86] 2020-10-16 (PCT/US2020/056048)</p> <p>[87] (WO2021/076938)</p> <p>[30] US (62/916,018) 2019-10-16</p> |
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| <p style="text-align: right;"><b>[21] 3,158,154</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 35/741 (2015.01) A61P 1/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 31/00 (2006.01) A61P 37/04 (2006.01) A61P 43/00 (2006.01)</p> <p>[25] EN</p> <p>[54] MICROBIAL COMPOSITIONS, STRAINS AND METHODS</p> <p>[54] COMPOSITIONS MICROBIENNES, SOUCHES ET PROCEDES</p> <p>[72] O'TOOLE, PAUL, IE</p> <p>[72] JEFFERY, IAN, IE</p> <p>[72] GHOSH, TARINI, IE</p> <p>[72] TAN, HUIZI, IE</p> <p>[72] PEREZ, MARTA, IE</p> <p>[72] NTEMIRI, ALEXANDRA, IE</p> <p>[71] UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK, IE</p> <p>[85] 2022-04-14</p> <p>[86] 2020-10-16 (PCT/EP2020/079283)</p> <p>[87] (WO2021/074431)</p> <p>[30] EP (19203965.9) 2019-10-17</p> |
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**[21] 3,158,155**  
[13] A1

[51] Int.Cl. A61M 5/34 (2006.01)  
[25] EN  
[54] **SYRINGE ADAPTER FOR MEDICATION**  
[54] **ADAPTATEUR DE SERINGUE POUR MEDICAMENT**  
[72] DOUBET, JAMES T., US  
[72] DOUBET, PAUL D., US  
[71] DOUBET, JAMES T., US  
[71] DOUBET, PAUL D., US  
[85] 2022-04-13  
[86] 2020-11-20 (PCT/US2020/061523)  
[87] (WO2021/108257)  
[30] US (16/698,471) 2019-11-27

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**[21] 3,158,156**  
[13] A1

[51] Int.Cl. A01N 43/56 (2006.01) A01N 43/40 (2006.01) A01N 43/653 (2006.01) A01P 3/00 (2006.01)  
[25] EN  
[54] **USE OF THE SUCCINATE DEHYDROGENASE INHIBITOR PYDIFLUMETOGEN FOR CONTROLLING CLAVICEPS PURPUREA AND REDUCING SCLEROTIA IN CERALS**  
[54] **UTILISATION DU PYDIFLUMETOGEN INHIBITEUR DE LA SUCCINATE DESHYDROGENASE POUR LUTTER CONTRE LA CLAVICEPS PURPUREA ET REDUIRE LE SCLEROTE DANS LES CEREALES**  
[72] PATZER, KELLY, CA  
[72] KRATCHMER, JOCELYN, DE  
[72] BLATTA, DAVID, CA  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[85] 2022-04-14  
[86] 2020-10-15 (PCT/EP2020/079076)  
[87] (WO2021/074312)  
[30] EP (19204212.5) 2019-10-18

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

[51] Int.Cl. G01N 21/90 (2006.01)  
[25] EN  
[54] **CONTAINER VISUAL INSPECTION ASSEMBLY AND METHOD**  
[54] **ENSEMBLE ET PROCEDE D'INSPECTION VISUELLE DE RECIPIENT**  
[72] MILNE, GRAHAM F., US  
[72] FRADKIN, DMITRY, US  
[71] AMGEN INC., US  
[85] 2022-04-13  
[86] 2020-12-17 (PCT/US2020/065465)  
[87] (WO2021/127082)  
[30] US (62/949,119) 2019-12-17

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**[21] 3,158,159**  
[13] A1

[51] Int.Cl. G06K 9/00 (2022.01) G07F 17/32 (2006.01)  
[25] EN  
[54] **SYSTEMS AND METHODS FOR TRACKING PLAYING CHIPS**  
[54] **SYSTEMES ET PROCEDES DE SUIVI DE JETONS DE JEU**  
[72] BULZACKI, ADRIAN, CA  
[72] CAZAN, VLAD, CA  
[72] IBRAHIM, MUHAMMAD TALAL, CA  
[72] STAL, ALEXANDER GEORGE, CA  
[71] ARB LABS INC., CA  
[85] 2022-04-14  
[86] 2020-10-15 (PCT/CA2020/051382)  
[87] (WO2021/072540)  
[30] US (62/915,460) 2019-10-15

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[13] A1

[51] Int.Cl. B66F 11/00 (2006.01) A61G 7/053 (2006.01) A61G 7/10 (2006.01) A61L 2/10 (2006.01) B66F 9/12 (2006.01)  
[25] EN  
[54] **DEVICES AND METHODS FOR TRANSFERRING AN OBJECT**  
[54] **DISPOSITIFS ET PROCEDES POUR TRANSFERER UN OBJET**  
[72] SINGH, JAYIESH, CA  
[72] CHANG, PHILIP, CA  
[72] MEDAL, THOMAS, CA  
[72] CHANG, SIMON, CA  
[72] NARAYANAN, ADITYA, CA  
[72] BUI, NGOC PHUONG, CA  
[71] ABLE INNOVATIONS INC., CA  
[85] 2022-04-14  
[86] 2020-10-16 (PCT/CA2020/051389)  
[87] (WO2021/072547)  
[30] US (62/923,216) 2019-10-18

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[13] A1

[51] Int.Cl. A61K 31/05 (2006.01) A61K 31/12 (2006.01) A61K 31/352 (2006.01) C07C 39/215 (2006.01) C07C 43/295 (2006.01) C07D 311/74 (2006.01) C07F 9/117 (2006.01) A61K 31/6615 (2006.01)  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT AND/OR PROPHYLAXIS OF DIABETES AND OTHER CONDITIONS**  
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT ET/OU LA PROPHYLAXIE DU DIABETE ET D'AUTRES MALADIES**  
[72] CAMPBELL, WILLIAM DAVID JOHN, CA  
[71] LIFELOCK BIOSCIENCE SOLUTIONS INC., CA  
[85] 2022-04-14  
[86] 2020-10-19 (PCT/CA2020/051399)  
[87] (WO2021/072555)  
[30] US (62/916,919) 2019-10-18

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[13] A1

[51] Int.Cl. D01F 9/12 (2006.01) C01B  
32/00 (2017.01)  
[25] EN  
[54] FABRICATION OF CARBON  
FIBERS WITH HIGH  
MECHANICAL PROPERTIES  
[54] FABRICATION DE FIBRES DE  
CARBONE PRESENTANT DES  
PROPRIETES MECANIQUES  
ELEVEES  
[72] CHEN, WEIXING, CA  
[71] TANGOLD INC., CA  
[85] 2022-04-14  
[86] 2020-10-19 (PCT/CA2020/051403)  
[87] (WO2021/072559)  
[30] US (62/916,680) 2019-10-17  
[30] US (62/925,672) 2019-10-24

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[13] A1

[51] Int.Cl. A61K 9/00 (2006.01) A61K  
9/08 (2006.01) A61K 31/135 (2006.01)  
A61P 29/00 (2006.01) A61P 29/02  
(2006.01)  
[25] EN  
[54] NOVEL PEDIATRIC  
COMBINATION  
[54] NOUVELLE COMBINAISON  
PEDIATRIQUE  
[72] HENNEBERG, STEEN, DK  
[72] NIELSEN, BETTINA NYGAARD, DK  
[71] CESSATECH A/S, DK  
[85] 2022-04-14  
[86] 2020-10-12 (PCT/EP2020/078547)  
[87] (WO2021/078553)  
[30] EP (19204617.5) 2019-10-22

[21] **3,158,165**  
[13] A1

[51] Int.Cl. C07B 57/00 (2006.01) C07C  
59/255 (2006.01) C07D 471/04  
(2006.01)  
[25] EN  
[54] PROCESS FOR THE  
PREPARATION OF (2-  
CYANOETHYL (4S)-4-(4-CYANO-  
2-METHOXY-PHENYL)-5-  
HYDROXY-2,8-DIMETHYL-1,4-  
DIHYDRO-1,6-NAPHTHYRIDIN-3-  
CARBOXYLATE BY RACEMATE  
SEPARATION BY MEANS OF  
DIASTEREOMERIC TARTARIC  
ACID ESTERS

[54] PROCEDE DE PREPARATION DE  
(2-CYANOETHYL (4S)-4-(4-  
CYANO-2-METHOXY-PHENYL)-5-  
HYDROXY-2,8-DIMETHYL-1,4-  
DIHYDRO-1,6-NAPHTHYRIDIN-3-  
CARBOXYLATE PAR  
SEPARATION RACEMIQUE AU  
MOYEN D'ESTERS D'ACIDE  
TARTRIQUE  
DIASTEREOISOMERES  
[72] PLATZEK, JOHANNES, DE  
[72] LOVIS, KAI, DE  
[71] BAYER AKTIENGESELLSCHAFT,  
DE  
[85] 2022-04-14  
[86] 2020-10-12 (PCT/EP2020/078600)  
[87] (WO2021/074072)  
[30] EP (19203823.0) 2019-10-17

[21] **3,158,166**  
[13] A1

[51] Int.Cl. C07B 57/00 (2006.01) C07C  
59/255 (2006.01) C07D 471/04  
(2006.01)  
[25] EN  
[54] PROCESS FOR THE  
PREPARATION OF 2-  
CYANOETHYL (4S)-4-(4-CYANO-  
2-METHOXY-PHENYL)-5-  
ETHOXY-2,8-DIMETHYL-1,4-  
DIHYDRO-1,6-NAPHTHYRIDINE-  
3-CARBOXYLATE BY  
RESOLUTION OF RACEMATES  
BY MEANS OF  
DIASTEREOMERIC TARTARIC  
ACID ESTERS  
[54] PROCEDE DE PREPARATION DE  
2-CYANOETHYLE (4S)-4-(4-  
CYANO-2-METHOXY-PHENYL)-5-  
ETHOXY-2,8-DIMETHYL-1,4-  
DIHYDRO-1,6-NAPHTHYRIDINE-3-  
CARBOXYLATE PAR  
RESOLUTION DE RACEMATES  
AU MOYEN D'ESTERS D'ACIDE  
TARTRIQUE  
DIASTEREOISOMERE  
[72] PLATZEK, JOHANNES, DE  
[72] LOVIS, KAI, DE  
[71] BAYER AKTIENGESELLSCHAFT,  
DE  
[85] 2022-04-14  
[86] 2020-10-12 (PCT/EP2020/078613)  
[87] (WO2021/074078)  
[30] EP (19203825.5) 2019-10-17

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[13] A1

- [51] Int.Cl. C07B 55/00 (2006.01) C07D 471/04 (2006.01)
- [25] EN
- [54] PHOTOCHEMICAL PROCESS FOR PRODUCING (4R,4S)-4-(4-CYANO-2-METHOXYPHENYL)-5-ETHOXY-2,8-DIMETHYL-1,4-DIHYDRO-1,6-NAPHTHYRIDIN-3-CARBOXAMIDE
- [54] PROCEDE PHOTOCHIMIQUE POUR LA PREPARATION DE (4R,4S)-4-(4-CYANO-2-METHOXYPHENYL)-5-ETHOXY-2,8-DIMETHYL-1,4-DIHYDRO-1,6-NAPHTHYRIDINE-3-CARBOX-AMIDE
- [72] PLATZEK, JOHANNES, DE
- [72] LOVIS, KAI, DE
- [71] BAYER AKTIENGESELLSCHAFT, DE
- [85] 2022-04-14
- [86] 2020-10-12 (PCT/EP2020/078614)
- [87] (WO2021/074079)
- [30] EP (19203824.8) 2019-10-17

**[21] 3,158,169**  
[13] A1

- [51] Int.Cl. A61K 31/5513 (2006.01) A61P 31/14 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 405/14 (2006.01)
- [25] EN
- [54] BENZODIAZEPINE DERIVATIVES FOR TREATING A RESPIRATORY SYNCYTIAL VIRUS (RSV) INFECTION
- [54] DERIVES DE BENZODIAZEPINE POUR LE TRAITEMENT D'UNE INFECTION PAR LE VIRUS RESPIRATOIRE SYNCYTIAL (RSV)
- [72] BARRETT, MATTHEW, GB
- [72] COCKERILL, GEORGE STUART, GB
- [72] GOOD, JAMES, GB
- [72] AVERY, CRAIG ALEX, GB
- [72] COCHRANE, EDWARD JAMES, GB
- [71] REVIRAL LIMITED, GB
- [85] 2022-04-14
- [86] 2020-10-22 (PCT/GB2020/052658)
- [87] (WO2021/079121)
- [30] GB (1915273.5) 2019-10-22

**[21] 3,158,170**  
[13] A1

- [51] Int.Cl. B65D 85/804 (2006.01)
- [25] EN
- [54] CAPSULE
- [54] CAPSULE
- [72] BARTOLI, ANDREA, IT
- [72] CAPITINI, DAVIDE, IT
- [71] SARONG SOCIETA' PER AZIONI, IT
- [85] 2022-04-14
- [86] 2020-10-20 (PCT/IB2020/059852)
- [87] (WO2021/079267)
- [30] IT (102019000019424) 2019-10-21

**[21] 3,158,171**  
[13] A1

- [51] Int.Cl. E06B 3/67 (2006.01) E06B 7/02 (2006.01) E06B 9/24 (2006.01) E06B 9/264 (2006.01) E06B 9/386 (2006.01) E06B 3/24 (2006.01)
- [25] EN
- [54] WINDOW FOR CIVIL AND INDUSTRIAL BUILDINGS
- [54] FENETRE POUR BATIMENTS CIVILS ET INDUSTRIELS
- [72] ZANETTI, MAURO, IT
- [72] ZANETTI, MANUEL, IT
- [71] ZANETTI, MAURO, IT
- [71] ZANETTI, MANUEL, IT
- [85] 2022-04-14
- [86] 2020-10-14 (PCT/IB2020/059632)
- [87] (WO2021/074803)
- [30] IT (102019000018806) 2019-10-15

**[21] 3,158,174**  
[13] A1

- [51] Int.Cl. C07K 16/40 (2006.01) A61K 31/04 (2006.01) A61K 39/395 (2006.01) A61P 7/04 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] ANTIBODIES FOR BINDING PLASMIN
- [54] ANTICORPS POUR LIAISON A LA PLASMINE
- [72] WHISSTOCK, JAMES, AU
- [72] LAW, RUBY, AU
- [72] QUEK, ADAM, AU
- [72] CONROY, PAUL, AU
- [72] WU, GUOJIE, AU
- [71] MONASH UNIVERSITY, AU
- [85] 2022-04-14
- [86] 2020-10-28 (PCT/AU2020/051164)
- [87] (WO2021/081582)
- [30] AU (2019904049) 2019-10-28

**[21] 3,158,178**  
[13] A1

- [51] Int.Cl. E21B 7/00 (2006.01) E21B 17/00 (2006.01) E21B 41/00 (2006.01)
- [25] EN
- [54] A METHOD AND APPARATUS FOR DRILLING AND POSITIONING A COLLAR SUPPORT SLEEVE INTO A BLAST HOLE
- [54] PROCEDE ET APPAREIL POUR PERCER ET POSITIONNER UN MANCHON DE SUPPORT DE COLLIER DANS UN TROU DE MINE
- [72] PATCHING, GREGORY, AU
- [71] AQIRIAN TECHNOLOGY PTY LTD, AU
- [85] 2022-04-14
- [86] 2020-10-29 (PCT/AU2020/051176)
- [87] (WO2021/081592)
- [30] AU (2019904101) 2019-10-30
- [30] AU (2020901360) 2020-04-30

**[21] 3,158,183**  
[13] A1

- [51] Int.Cl. A63F 3/02 (2006.01) A47B 13/02 (2006.01) A47B 25/00 (2006.01) A47B 37/00 (2006.01) A63F 3/06 (2006.01) A63F 7/06 (2006.01)
- [25] EN
- [54] COOLER WITH GAME LID
- [54] GLACIERE DOTEÉE DE COUVERCLE A JEUX
- [72] CHUANG, YUAN-LUEN, CN
- [72] TAM, CZE-CHAO, US
- [71] TRINITY INTERNATIONAL INDUSTRIES, L.L.C., US
- [85] 2022-04-19
- [86] 2020-01-30 (PCT/US2020/015902)
- [87] (WO2021/154264)

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[13] A1

[51] Int.Cl. B23K 26/00 (2014.01) B23K 3/00 (2006.01) B23K 26/38 (2014.01) B81B 1/00 (2006.01) B81B 7/02 (2006.01)  
[25] EN  
[54] LASER-ASSISTED MATERIAL PHASE-CHANGE AND EXPULSION MICRO-MACHINING PROCESS  
[54] PROCEDE DE MICRO-USINAGE PAR EXPULSION ET CHANGEMENT DE PHASE DE MATERIAU ASSISTES PAR LASER  
[72] PATIL, PRASHANT, US  
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US  
[85] 2022-04-14  
[86] 2020-11-08 (PCT/US2020/059587)  
[87] (WO2021/092527)  
[30] US (62/932,914) 2019-11-08

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[21] **3,158,187**  
[13] A1

[51] Int.Cl. G02B 6/44 (2006.01)  
[25] EN  
[54] CARRIAGE FOR PATCHING, SPLITTING, AND/OR GUIDING FIBER OPTIC CABLES  
[54] CHARIOT POUR REPARER, FENDRE ET/OU GUIDER DES CABLES A FIBRES OPTIQUES  
[72] WARD, PHILIP, GB  
[71] OPTERNA AM, INC., US  
[85] 2022-04-14  
[86] 2020-11-09 (PCT/US2020/059756)  
[87] (WO2021/092596)  
[30] US (62/932,456) 2019-11-07

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[21] **3,158,188**  
[13] A1

[51] Int.Cl. C07D 471/04 (2006.01) C07F 5/02 (2006.01) C07F 5/05 (2006.01)  
[25] EN  
[54] IMPROVED SYNTHESIS OF KRAS G12C INHIBITOR COMPOUND  
[54] SYNTHESE AMELIOREE DE COMPOSE INHIBITEUR DE KRAS G12C  
[72] PARSONS, ANDREW T., US  
[72] BEAVER, MATTHEW, US  
[71] AMGEN INC., US  
[85] 2022-04-14  
[86] 2020-11-13 (PCT/US2020/060421)  
[87] (WO2021/097212)  
[30] US (62/935,502) 2019-11-14

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[13] A1

[51] Int.Cl. A61K 35/741 (2015.01) A61K 35/742 (2015.01) A61K 35/745 (2015.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01)  
[25] EN  
[54] MICROBIAL COMPOSITIONS AND METHODS FOR TREATMENT AND DETECTION OF DISEASE  
[54] COMPOSITIONS MICROBIENNES ET PROCEDES DE TRAITEMENT ET DE DETECTION DE MALADIES  
[72] LEWIS, KIM, US  
[72] MORRISSETTE, MADELEINE, US  
[72] STRANDWITZ, PHILIP, US  
[72] D'ONOFRIO, ANTHONY, US  
[72] PITT, NORMAN, US  
[71] NORTHEASTERN UNIVERSITY, US  
[85] 2022-04-14  
[86] 2020-12-10 (PCT/US2020/064284)  
[87] (WO2021/119291)  
[30] US (62/945,984) 2019-12-10  
[30] US (63/013,796) 2020-04-22  
[30] US (63/035,102) 2020-06-05

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[13] A1

[51] Int.Cl. B01L 3/00 (2006.01) G01N 33/543 (2006.01) G01N 33/558 (2006.01)  
[25] EN  
[54] SAMPLE TEST CASSETTE AND ANALYTE TEST SYSTEM UTILIZING THE SAME  
[54] CASSETTE DE TEST D'ECHANTILLON ET SYSTEME DE TEST D'ANALYTE L'UTILISANT  
[72] BORN, CHRISTIAN, DK  
[72] ABBONDIO, ALLAN BJERRE, DK  
[72] MATTHIESEN, STEEN HAUGE, DK  
[71] FOSS ANALYTICAL A/S, DK  
[85] 2022-04-14  
[86] 2020-11-25 (PCT/IB2020/061131)  
[87] (WO2021/171077)  
[30] DK (PA202000257) 2020-02-28

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[13] A1

[51] Int.Cl. C08L 77/06 (2006.01) C08J 3/20 (2006.01)  
[25] EN  
[54] MIXTURE OF SEMI-AROMATIC POLYAMIDES AND MOLDED ARTICLES WITH IMPROVED WELD LINE STRENGTH  
[54] MELANGE DE POLYAMIDES SEMI-AROMATIQUES ET D'ARTICLES MOULES PRESENTANT UNE RESISTANCE DE LIGNE DE SOUDURE AMELIOREE  
[72] SCHWIEGK, STEFAN, DE  
[72] LEITER, GERHARD, DE  
[72] ZEIHER, SUSANNE, DE  
[72] SCHILLO, SIMONE, DE  
[72] SCHAEFER, ANDRE, DE  
[72] FUCHS, THOMAS, DE  
[72] TISSIER, NICOLAS, DE  
[72] SZEIFERT, JOHANN MARTIN, DE  
[72] FRIETSCH, SABINE, DE  
[72] SHAIKH, ABDULLAH, DE  
[71] BASF SE, DE  
[85] 2022-04-14  
[86] 2020-10-14 (PCT/EP2020/078863)  
[87] (WO2021/074204)  
[30] EP (19203279.5) 2019-10-15

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[21] **3,158,219**  
[13] A1

[51] Int.Cl. C25B 11/093 (2021.01) C25B 9/19 (2021.01) C25B 11/052 (2021.01) C25B 11/061 (2021.01) C25B 1/04 (2021.01) C25B 1/46 (2006.01)  
[25] EN  
[54] ELECTRODE FOR ELECTROCHEMICAL EVOLUTION OF HYDROGEN  
[54] ELECTRODE POUR L'EVOLUTION ELECTROCHIMIQUE DE L'HYDROGENE  
[72] CALDERARA, ALICE, IT  
[72] IACOPETTI, LUCIANO, IT  
[71] INDUSTRIE DE NORA S.P.A., IT  
[85] 2022-04-14  
[86] 2020-10-27 (PCT/EP2020/080130)  
[87] (WO2021/083862)  
[30] IT (102019000020026) 2019-10-30

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[13] A1

[51] Int.Cl. C08L 75/04 (2006.01) C08J  
9/12 (2006.01) C08J 9/14 (2006.01)  
C08G 18/10 (2006.01) C08G 18/16  
(2006.01) C08G 18/32 (2006.01) C08G  
18/42 (2006.01) C08G 18/48 (2006.01)  
C08G 18/66 (2006.01) C08G 18/76  
(2006.01)

[25] EN

[54] IN-SITU FORMATION OF LOW  
DENSITY THERMOPLASTIC  
POLYURETHANE FLEXIBLE  
FOAMS

[54] FORMATION IN-SITU DE  
MOUSSES SOUPLES EN  
POLYURETHANE  
THERMOPLASTIQUE DE FAIBLE  
DENSITE

[72] VANDENBROECK, JAN, BE

[72] WOUTTERS, STEVE ANDRE, BE

[72] GAJENDRAN, RAJESH KUMAR, BE

[72] DOSSI, MARTINO, BE

[72] KLEIN, RENE ALEXANDER, BE

[72] BRENNAN, MARK JOSEPH, BE

[71] HUNTSMAN INTERNATIONAL  
LLC, US

[85] 2022-04-14

[86] 2020-11-09 (PCT/EP2020/081438)

[87] (WO2021/094239)

[30] EP (19208441.6) 2019-11-12

# 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] **3,118,829**  
[13] A1

[51] Int.Cl. E05D 3/02 (2006.01) F25D  
23/00 (2006.01)  
[25] EN  
[54] PIVOT HINGE  
[54]  
[72] MITCHELL, BRETT, US  
[72] BASSETT, ANDREW, US  
[71] KASON INDUSTRIES, INC., US  
[22] 2021-05-17  
[41] 2021-11-20  
[30] US (16/878,961) 2020-05-20

[21] **3,155,320**  
[13] A1

[25] EN  
[54] GENERATING AUDIO USING  
NEURAL NETWORKS  
[54] GENERATION D'AUDIO A L'AIDE  
DE RESEAUX NEURONAUX  
[72] VAN DEN OORD, AARON GERARD  
ANTONIUS, GB  
[72] DIELEMAN, SANDER ETIENNE  
LEA, GB  
[72] KALCHBRENNER, NAL  
EMMERICH, GB  
[72] SIMONYAN, KAREN, GB  
[72] VINYALS, ORIOL, GB  
[71] DEEPMIND TECHNOLOGIES  
LIMITED, GB  
[22] 2017-09-06  
[41] 2018-03-15  
[62] 3,036,067  
[30] US (62/384,115) 2016-09-06

[21] **3,155,403**  
[13] A1

[25] EN  
[54] INFRARED TEMPERATURE  
MEASUREMENT AND  
STABILIZATION THEREOF  
[54] MESURE DE TEMPERATURE  
INFRAROUGE ET PROCEDE DE  
STABILISATION ASSOCIE  
[72] MASTON, ROBERT, US  
[71] CVG MANAGEMENT  
CORPORATION, US  
[71] MASTON, ROBERT, US  
[22] 2019-05-24  
[41] 2019-11-28  
[62] 3,105,500  
[30] US (15/988,025) 2018-05-24

[21] **3,155,458**  
[13] A1

[25] EN  
[54] FEIJOA FRUIT EXTRACT  
[54] EXTRAIT DE FRUIT DE FEIJOA  
[72] FOO, LAI YEAP, NZ  
[72] WATSON, RONALD ROSS, US  
[71] CALLAGHAN INNOVATION  
RESEARCH LIMITED, NZ  
[71] SOUTHWEST SCIENTIFIC EDITING  
& CONSULTING, LLC, US  
[22] 2013-06-10  
[41] 2013-12-19  
[62] 2,875,504  
[30] NZ (600561) 2012-06-11  
[30] NZ (600560) 2012-06-11

[21] **3,155,455**  
[13] A1

[51] Int.Cl. A24F 40/40 (2020.01) A24F  
40/42 (2020.01) A24F 40/46 (2020.01)  
A24F 40/50 (2020.01) A24F 40/57  
(2020.01) A61M 11/04 (2006.01)  
A61M 15/06 (2006.01)  
[25] EN  
[54] VAPORIZATION DEVICE  
SYSTEMS AND METHODS  
[54]  
[72] MONSEES, JAMES, US  
[72] BOWEN, ADAM, US  
[72] HATTON, NICHOLAS, US  
[72] CHRISTENSEN, STEVEN, US  
[72] ATKINS, ARIEL, US  
[72] MORENSTEIN, JOSHUA, US  
[72] HIBMACRONAN, CHRISTOPHER  
NICHOLAS, US  
[71] JUUL LABS, INC., US  
[22] 2014-12-23  
[41] 2015-07-02  
[62] 3,132,357  
[30] US (61/920,225) 2013-12-23  
[30] US (61/936,593) 2014-02-06  
[30] US (61/937,755) 2014-02-10

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

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| <p>[21] 3,155,536<br/>[13] A1</p> <p>[51] Int.Cl. A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/168 (2006.01)</p> <p>[25] EN</p> <p>[54] SYRINGE PUMP, AND RELATED METHOD AND SYSTEM</p> <p>[54] POMPE DE SERINGUE, ET PROCEDE ET SYSTEME ASSOCIES</p> <p>[72] KAMEN, DEAN, US</p> <p>[72] GRAY, LARRY B., US</p> <p>[72] BODWELL, JESSE T., US</p> <p>[72] KERWIN, JOHN M., US</p> <p>[72] BAIER, MICHAEL J., US</p> <p>[72] VAN DER MERWE, DIRK A., US</p> <p>[72] FICHERA, STEPHAN L., US</p> <p>[72] THURBER, JONATHAN R., US</p> <p>[72] DESCH, MARTIN D., US</p> <p>[72] THERRIEN, ALEXANDER R., US</p> <p>[72] SABIN, ERIK N., US</p> <p>[72] COLLINS, DAVID E., US</p> <p>[72] FARLOW, JARED N., US</p> <p>[72] ZOBRO, JONATHAN, US</p> <p>[72] FRIEDRICH, THOMAS A., US</p> <p>[72] HEINZMANN, RICHARD KURT, US</p> <p>[72] BLUMBERG, DAVID, JR., US</p> <p>[72] SLOSS, JAMES L., US</p> <p>[72] PAWLOWSKI, DANIEL F., US</p> <p>[72] LIM, SIMON W., US</p> <p>[72] JANWAY, JEFFREY M., US</p> <p>[72] NORRIS, MICHAEL G., US</p> <p>[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US</p> <p>[22] 2013-12-20</p> <p>[41] 2014-06-26</p> <p>[62] 2,896,068</p> <p>[30] US (13/723,235) 2012-12-21</p> <p>[30] US (PCT/US2012/071142) 2012-12-21</p> <p>[30] US (PCT/US2012/071112) 2012-12-21</p> <p>[30] US (13/723,244) 2012-12-21</p> <p>[30] US (PCT/US2012/071490) 2012-12-21</p> <p>[30] US (13/723,238) 2012-12-21</p> <p>[30] US (13/723,242) 2012-12-21</p> <p>[30] US (13/724,568) 2012-12-21</p> <p>[30] US (13/723,239) 2012-12-21</p> <p>[30] US (13/725,790) 2012-12-21</p> <p>[30] US (13/723,253) 2012-12-21</p> <p>[30] US (13/723,251) 2012-12-21</p> <p>[30] US (PCT/US2012/071131) 2012-12-21</p> <p>[30] US (13/833,432) 2013-03-15</p> <p>[30] US (61/894,801) 2013-10-23</p> <p>[30] US (61/904,123) 2013-11-14</p> <p>[30] US (14/135,784) 2013-12-20</p> |
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| <p>[21] 3,155,539<br/>[13] A1</p> <p>[51] Int.Cl. B32B 3/12 (2006.01) B32B 3/24 (2006.01) B32B 27/28 (2006.01) B32B 37/04 (2006.01) B32B 37/06 (2006.01) F02C 7/045 (2006.01) F02C 7/24 (2006.01)</p> <p>[25] EN</p> <p>[54] ACOUSTIC PANELING</p> <p>[54] PANNEAU ACOUSTIQUE</p> <p>[72] HERRERA, ERIC, US</p> <p>[72] ELLEBY, MARTA BAGINSKA, US</p> <p>[72] DUSCHL, GARRY, US</p> <p>[71] THE BOEING COMPANY, US</p> <p>[22] 2017-05-29</p> <p>[41] 2018-01-18</p> <p>[62] 2,968,695</p> <p>[30] US (15/212454) 2016-07-18</p> <p>[30] US (15/434378) 2017-02-16</p> |
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| <p>[21] 3,155,599<br/>[13] A1</p> <p>[25] EN</p> <p>[54] CRF1 RECEPTOR ANTAGONISTS FOR THE TREATMENT OF CONGENITAL ADRENAL HYPERPLASIA</p> <p>[54] ANTAGONISTES DU RECEPTEUR CRF1 POUR LE TRAITEMENT DE L'HYPERPLASIE SURRENALIENNE CONGENITALE</p> <p>[72] GRIGORIADIS, DIMITRI, E, US</p> <p>[71] NEUROCRINE BIOSCIENCES, INC., US</p> <p>[22] 2015-01-21</p> <p>[41] 2015-07-30</p> <p>[62] 2,936,974</p> <p>[30] US (61/929,941) 2014-01-21</p> <p>[30] US (61/981,033) 2014-04-17</p> <p>[30] US (62/069,155) 2014-10-27</p> |
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| <p>[21] 3,155,567<br/>[13] A1</p> <p>[51] Int.Cl. E01F 9/00 (2016.01) E01F 9/623 (2016.01) E04B 1/98 (2006.01) F16F 7/00 (2006.01) F16F 15/03 (2006.01)</p> <p>[25] EN</p> <p>[54] VIBRATION MITIGATION DEVICE</p> <p>[54] DISPOSITIF D'ATTENUATION DES VIBRATIONS</p> <p>[72] MACCHIETO, CARL J., US</p> <p>[72] INGRAM, DARREN E., US</p> <p>[72] CHRISTENSON, RICHARD E., US</p> <p>[71] VALMONT INDUSTRIES, INC., US</p> <p>[22] 2014-09-15</p> <p>[41] 2016-03-24</p> <p>[62] 2,923,792</p> |
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| <p>[21] 3,155,662<br/>[13] A1</p> <p>[51] Int.Cl. G01N 33/48 (2006.01) G01N 30/72 (2006.01) G01N 33/53 (2006.01)</p> <p>[25] EN</p> <p>[54] MARKERS FOR RENAL DISEASE</p> <p>[54] MARQUEURS DE NEPHROPATHIES</p> <p>[72] YERRAMILLI, MAHALAKSHNI, US</p> <p>[72] ATKINSON, MICHAEL RANDOLPH, US</p> <p>[72] YERRAMILLI, MURTHY V. S. N., US</p> <p>[71] IDEXX LABORATORIES, INC., US</p> <p>[22] 2011-06-03</p> <p>[41] 2011-12-08</p> <p>[62] 3,067,107</p> <p>[30] US (61/351,183) 2010-06-03</p> <p>[30] US (61/411,280) 2010-11-08</p> |
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**Demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

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| <p style="text-align: right;">[21] <b>3,155,708</b><br/>[13] A1</p> <p>[51] Int.Cl. G06Q 40/02 (2012.01) G06Q 20/10 (2012.01)<br/>[25] EN<br/>[54] FRACTIONAL FUNDS TRANSFER/ACCUMULATION DEVICE, PROGRAM, AND METHOD<br/>[54] DISPOSITIF, PROGRAMME ET PROCEDE DE TRANSFERT/ACCUMULATION DE FONDS FRACTIONNAIRES<br/>[72] HIGUCHI, YOSHINOBU, JP<br/>[72] TANAKA, TATSUO, JP<br/>[71] 10353744 CANADA LTD., CA<br/>[22] 2017-03-31<br/>[41] 2017-11-30<br/>[62] 3,023,834<br/>[30] JP (2016-106202) 2016-05-27</p> | <p style="text-align: right;">[21] <b>3,155,751</b><br/>[13] A1</p> <p>[51] Int.Cl. G01N 27/416 (2006.01) G01N 27/27 (2006.01)<br/>[25] EN<br/>[54] PORTABLE ELECTROCHEMICAL-SENSOR SYSTEM FOR ANALYZING USER HEALTH CONDITIONS AND METHOD THEREOF<br/>[54] SYSTEME DE CAPTEUR ELECTROCHIMIQUE PORTATIF PERMETTANT D'ANALYSER LES PROBLEMES DE SANTE DES UTILISATEURS ET SON PROCEDE<br/>[72] KOUL, RAMAN, CA<br/>[72] SALAHANDISH, RAZIEH, CA<br/>[72] WANG, GANG (A.K.A. JOSEPH), CA<br/>[72] BHAT, SUMRITA, CA<br/>[72] VASTAREY, NIKHIL SURESH, CA<br/>[72] KAPOOR, ANMOL SINGH, CA<br/>[71] CARDIAI TECHNOLOGIES LTD., CA<br/>[22] 2019-11-04<br/>[41] 2020-02-07<br/>[62] 3,060,849<br/>[30] US (62/755,148) 2018-11-02<br/>[30] US (62/786,180) 2018-12-28<br/>[30] US (62/875,131) 2019-07-17</p> | <p style="text-align: right;">[21] <b>3,155,770</b><br/>[13] A1</p> <p>[51] Int.Cl. A61M 5/315 (2006.01) A61M 5/31 (2006.01)<br/>[25] EN<br/>[54] DOSE DETECTION WITH PIEZOELECTRIC SENSING FOR A MEDICATION DELIVERY DEVICE<br/>[54] DETECTION DE DOSE AVEC DETECTION PIEZOELECTRIQUE POUR UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT<br/>[72] KATUIN, JOSEPH EDWARD, US<br/>[72] PSZENNY, SEAN MATTHEW, US<br/>[71] ELI LILLY AND COMPANY, US<br/>[22] 2018-08-22<br/>[41] 2019-03-07<br/>[62] 3,073,696<br/>[30] US (62/552,659) 2017-08-31</p> |
| <p style="text-align: right;">[21] <b>3,155,721</b><br/>[13] A1</p> <p>[25] EN<br/>[54] DATA INTERACTION PROCESSING METHOD AND DEVICE<br/>[54] PROCEDE ET DISPOSITIF DE TRAITEMENT D'INTERACTION DE DONNEES<br/>[72] ZHANG, YI, CN<br/>[71] 10353744 CANADA LTD., CA<br/>[22] 2015-06-30<br/>[41] 2017-01-05<br/>[62] 2,990,285</p>   | <p style="text-align: right;">[21] <b>3,155,761</b><br/>[13] A1</p> <p>[51] Int.Cl. A61F 2/24 (2006.01)<br/>[25] EN<br/>[54] PROSTHETIC VALVES WITH MECHANICALLY COUPLED LEAFLETS<br/>[54] VALVES PROTHETIQUES A LAMES VALVULAIRES MECANIQUEMENT ACCOUPLEES<br/>[72] DIENNO, DUSTIN V., US<br/>[72] HARTMAN, CODY L., US<br/>[72] TITONE, RYAN S., US<br/>[72] ARCARO, DAVID J., US<br/>[72] MANYGOATS, ROY J., US<br/>[71] W. L. GORE &amp; ASSOCIATES, INC., US<br/>[22] 2018-09-12<br/>[41] 2019-04-04<br/>[62] 3,072,781<br/>[30] US (62/564,031) 2017-09-27<br/>[30] US (62/572,274) 2017-10-13<br/>[30] US (62/579,753) 2017-10-31<br/>[30] US (16/129,682) 2018-09-12</p>  | <p style="text-align: right;">[21] <b>3,155,773</b><br/>[13] A1</p> <p>[51] Int.Cl. H01M 4/139 (2010.01)<br/>[25] EN<br/>[54] METHODS FOR ALKALIATING ROLL ANODES<br/>[54] PROCEDES D'ALCALINISATION D'ANODES A ROULEAUX<br/>[72] GRANT, ROBERT W., US<br/>[72] SWEETLAND, MATTHEW, US<br/>[72] ACHARIGE, ASELA MAHA, US<br/>[71] NANOSCALE COMPONENTS, INC., US<br/>[22] 2016-12-08<br/>[41] 2017-06-15<br/>[62] 3,040,251<br/>[30] US (62/265,090) 2015-12-09</p>  |
| <p style="text-align: right;">[21] <b>3,155,788</b><br/>[13] A1</p> <p>[25] EN<br/>[54] DEVICE AND METHOD FOR IMPROVING ROUTE PLANNING COMPUTING DEVICES<br/>[54] DISPOSITIF ET PROCEDE D'AMELIORATION DE DISPOSITIFS INFORMATIQUES DE PLANIFICATION D'ITINERAIRE<br/>[72] FREED, ERIK S., US<br/>[71] POLARIS INDUSTRIES INC., US<br/>[22] 2017-09-15<br/>[41] 2018-03-22<br/>[62] 3,036,558<br/>[30] US (15/267,942) 2016-09-16</p>   |   |  |

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

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| <p style="text-align: right;">[21] 3,155,907<br/>[13] A1</p> <p>[51] Int.Cl. E01B 25/00 (2006.01) E01B 25/22 (2006.01)</p> <p>[25] EN</p> <p>[54] RAIL TRANSPORT DUMP LOOP SYSTEM FOR CONVEYING BULK MATERIALS</p> <p>[54] SYSTEME DE BOUCLE DE DECHARGE DE TRANSPORT SUR RAILS POUR LE TRANSPORT DE MATERIAUX EN VRAC</p> <p>[72] FISK, JAMES EVERETT, US</p> <p>[72] FANTIN, PATRICK WALTER JOSEPH, CA</p> <p>[72] MCCALL, WILLIAM JOHN, CA</p> <p>[72] NIEMEYER, DAVID WILHELM, CA</p> <p>[72] REAY, CURTIS RON, CA</p> <p>[72] ZANETTI, ERIC BENJAMIN ALEXANDER, CA</p> <p>[72] HELLBERG, ESKO JOHANNES, CA</p> <p>[71] RAIL-VEYOR TECHNOLOGIES GLOBAL INC., CA</p> <p>[22] 2015-03-31</p> <p>[41] 2016-01-14</p> <p>[62] 2,954,244</p> <p>[30] US (62/021,905) 2014-07-08</p> | <p style="text-align: right;">[21] 3,155,937<br/>[13] A1</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR REDUCING RESOURCE CONSUMPTION IN PRODUCTION OF ALCOHOL FUEL BY CONVERSION TO HYDROCARBON FUELS</p> <p>[54] SYSTEMES ET PROCEDES PERMETTANT DE REDUIRE LA CONSOMMATION DE RESSOURCES DANS LA PRODUCTION D'ALCOOL CARBURANT PAR CONVERSION EN CARBURANTS HYDROCARBONES</p> <p>[72] WYMAN, CHARLES E., US</p> <p>[72] HANNON, JOHN R., US</p> <p>[71] VERTIMASS, LLC, US</p> <p>[22] 2016-06-10</p> <p>[41] 2016-12-15</p> <p>[62] 2,988,979</p> <p>[30] US (62/174,672) 2015-06-12</p> <p>[30] US (62/184,142) 2015-06-24</p>                     | <p style="text-align: right;">[21] 3,155,961<br/>[13] A1</p> <p>[51] Int.Cl. A61M 1/36 (2006.01) A61M 1/02 (2006.01) A61M 1/38 (2006.01) B04B 13/00 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICES, METHODS, AND SYSTEMS FOR PRIMING, SEPARATING, AND COLLECTING BLOOD COMPONENTS</p> <p>[54]</p> <p>[72] BRIGGS, DENNIS, US</p> <p>[72] DO, SIMON, US</p> <p>[72] RABENO, ERIC, US</p> <p>[72] SANGARE, ABDOULAYE, US</p> <p>[72] VANDLIK, MARK, US</p> <p>[72] FLUCK, VICKI, US</p> <p>[72] TUREK, CHRISTOPHER, US</p> <p>[71] MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED, IE</p> <p>[22] 2016-06-16</p> <p>[41] 2016-12-22</p> <p>[62] 3,074,315</p> <p>[30] US (62/182,123) 2015-06-19</p> <p>[30] US (62/288,324) 2016-01-28</p> |
| <p style="text-align: right;">[21] 3,155,920<br/>[13] A1</p> <p>[25] EN</p> <p>[54] UTILITY RACK AND RAIL SYSTEM FOR VEHICLE</p> <p>[54] SYSTEME DE BATI ET DE RAMBARDE UTILITAIRES POUR VEHICULE</p> <p>[72] PUCHKOFF, JEROME, US</p> <p>[71] PUCHKOFF, JEROME, US</p> <p>[22] 2014-12-24</p> <p>[41] 2015-07-02</p> <p>[62] 2,935,186</p> <p>[30] US (61/921,265) 2013-12-27</p> <p>[30] US (61/935,076) 2014-02-03</p>  | <p style="text-align: right;">[21] 3,155,952<br/>[13] A1</p> <p>[51] Int.Cl. A61M 25/00 (2006.01) A61M 25/06 (2006.01) A61M 39/10 (2006.01)</p> <p>[25] EN</p> <p>[54] INTRAVENOUS CATHETER SYSTEM WITH ELONGATED VISUALIZATION CHANNEL</p> <p>[54]</p> <p>[72] BURKHOLZ, JONATHAN KARL, US</p> <p>[72] WANG, BIN, US</p> <p>[72] SONDEREGGER, RALPH L., US</p> <p>[72] SPATARO, JOSEPH, US</p> <p>[72] STALEY, SHAUN, US</p> <p>[72] WARNER, TYLER, US</p> <p>[71] BECTON, DICKINSON AND COMPANY, US</p> <p>[22] 2018-05-03</p> <p>[41] 2018-11-08</p> <p>[62] 3,038,151</p> <p>[30] US (62/501,670) 2017-05-04</p> <p>[30] US (15/969,584) 2018-05-02</p> | <p style="text-align: right;">[21] 3,156,053<br/>[13] A1</p> <p>[51] Int.Cl. F01K 25/00 (2006.01) F01K 3/02 (2006.01) F01K 3/18 (2006.01) F01K 7/38 (2006.01) F01K 13/02 (2006.01) F01K 25/10 (2006.01) F02C 1/10 (2006.01) F02C 9/24 (2006.01)</p> <p>[25] EN</p> <p>[54] USE OF EXTERNAL AIR FOR CLOSED CYCLE INVENTORY CONTROL</p> <p>[54]</p> <p>[72] APTE, RAJ, US</p> <p>[72] LAROCHELLE, PHILIPPE, US</p> <p>[71] MALTA INC., US</p> <p>[22] 2017-12-07</p> <p>[41] 2018-07-05</p> <p>[62] 3,087,032</p> <p>[30] US (15/394,572) 2016-12-29</p>   |

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

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| <p style="text-align: right;"><b>[21] 3,156,058</b><br/>[13] A1</p> <p>[25] EN<br/> <b>[54] METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR EVALUATION OF BLOOD GLUCOSE VARIABILITY IN DIABETES FROM SELF-MONITORING DATA</b><br/> [54]<br/> [72] KOVATCHEV, BORIS P., US<br/> [71] UNIVERSITY OF VIRGINIA PATENT FOUNDATION, US<br/> [22] 2007-01-05<br/> [41] 2007-07-19<br/> [62] 2,636,174<br/> [30] US (60/756,340) 2006-01-05<br/> [30] US (60/786,944) 2006-03-29</p>  | <p style="text-align: right;"><b>[21] 3,156,093</b><br/>[13] A1</p> <p>[25] EN<br/> <b>[54] CANCER PEPTIDE THERAPEUTICS</b><br/> <b>[54] THERAPIE PEPTIDIQUE CONTRE LE CANCER</b><br/> [72] HICKEY, ROBERT J., US<br/> [72] MALKAS, LINDA, H., US<br/> [71] INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION, US<br/> [22] 2009-07-24<br/> [41] 2010-01-28<br/> [62] 3,023,068<br/> [30] US (61/083393) 2008-07-24</p>  | <p style="text-align: right;"><b>[21] 3,156,128</b><br/>[13] A1</p> <p>[51] Int.Cl. C12N 5/0783 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/10 (2006.01) C12N 15/62 (2006.01)<br/> [25] EN<br/> <b>[54] MODIFIED NATURAL KILLER CELLS AND NATURAL KILLER CELL LINES HAVING INCREASED CYTOTOXICITY</b><br/> <b>[54] CELLULES TUEUSES NATURELLES ET LIGNEES DE CELLULES TUEUSES NATURELLES MODIFIEES PRESENTANT UNE CYTOTOXICITE ACCRUE</b><br/> [72] O'DWYER, MICHAEL EAMON PETER, IE<br/> [71] ONK THERAPEUTICS LIMITED, IE<br/> [22] 2016-07-28<br/> [41] 2017-02-02<br/> [62] 2,993,796<br/> [30] EP (15178899.9) 2015-07-29<br/> [30] GB (1603655.0) 2016-03-02<br/> [30] GB (1605457.9) 2016-03-31<br/> [30] GB (1610164.4) 2016-06-10</p> |
| <p style="text-align: right;"><b>[21] 3,156,085</b><br/>[13] A1</p> <p>[51] Int.Cl. G01N 27/403 (2006.01) G01N 27/27 (2006.01) G01N 27/416 (2006.01)<br/> [25] EN<br/> <b>[54] PORTABLE ELECTROCHEMICAL-SENSOR SYSTEM FOR ANALYZING USER HEALTH CONDITIONS AND METHOD THEREOF</b><br/> <b>[54] SYSTEME DE CAPTEUR ELECTROCHIMIQUE PORTATIF PERMETTANT D'ANALYSER LES PROBLEMES DE SANTE DES UTILISATEURS ET SON PROCEDE</b><br/> [72] BHAT, SUMRITA, CA<br/> [72] KOUL, RAMAN, CA<br/> [72] SALAHANDISH, RAZIEH, CA<br/> [72] WANG, GANG (A.K.A. JOSEPH), CA<br/> [72] VASTAREY, NIKHIL SURESH, CA<br/> [72] KAPOOR, ANMOL SINGH, CA<br/> [71] CARDIAI TECHNOLOGIES LTD., CA<br/> [22] 2019-11-04<br/> [41] 2020-02-07<br/> [62] 3,060,849<br/> [30] US (62/755,148) 2018-11-02<br/> [30] US (62/786,180) 2018-12-28<br/> [30] US (62/875,131) 2019-07-17</p> | <p style="text-align: right;"><b>[21] 3,156,115</b><br/>[13] A1</p> <p>[51] Int.Cl. A61B 8/12 (2006.01) A61B 1/04 (2006.01) A61B 5/00 (2006.01)<br/> [25] EN<br/> <b>[54] IMAGING PROBE WITH COMBINED ULTRASOUND AND OPTICAL MEANS OF IMAGING</b><br/> <b>[54] SONDE D'IMAGERIE DOTE D'UN MOYEN ULTRASONIQUE ET OPTIQUE D'IMAGERIE</b><br/> [72] COURTNEY, BRIAN, CA<br/> [72] MUNCE, NIGEL ROBERT, CA<br/> [72] SINGH, AMANDEEP, CA<br/> [72] YANG, VICTOR XIAO DONG, CA<br/> [72] FOSTER, FRANCIS STUART, CA<br/> [71] SUNNYBROOK RESEARCH INSTITUTE, CA<br/> [22] 2008-01-21<br/> [41] 2008-07-24<br/> [62] 2,941,213<br/> [30] US (60/881,169) 2007-01-19</p> |  |

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| [21] 3,156,146  | [21] 3,156,178  | [21] 3,156,185  |
|---|---|---|
| [13] A1   | [13] A1   | [13] A1   |
| [25] EN   | [25] EN   | [25] EN   |
| [54] SYSTEMS AND METHODS FOR PROVIDING DYNAMIC VACUUM PRESSURE IN AN ARTICULATED ARM END EFFECTOR                     | [54] SYSTEMS AND METHODS FOR PROVIDING DYNAMIC VACUUM PRESSURE IN AN ARTICULATED ARM END EFFECTOR                     | [54] SYSTEMS AND METHODS FOR PROVIDING DYNAMIC VACUUM PRESSURE IN AN ARTICULATED ARM END EFFECTOR                     |
| [54] SYSTEMES ET PROCEDES POUR PRODUIRE UNE PRESSION DE VIDE DYNAMIQUE DANS UN EFFECTEUR D'EXTREMITE D'ARBRE ARTICULE | [54] SYSTEMES ET PROCEDES POUR PRODUIRE UNE PRESSION DE VIDE DYNAMIQUE DANS UN EFFECTEUR D'EXTREMITE D'ARBRE ARTICULE | [54] SYSTEMES ET PROCEDES POUR PRODUIRE UNE PRESSION DE VIDE DYNAMIQUE DANS UN EFFECTEUR D'EXTREMITE D'ARBRE ARTICULE |
| [72] WAGNER, THOMAS, US   | [72] WAGNER, THOMAS, US   | [72] WAGNER, THOMAS, US   |
| [72] AHEARN, KEVIN, US  | [72] AHEARN, KEVIN, US  | [72] AHEARN, KEVIN, US  |
| [72] COHEN, BENJAMIN, US  | [72] COHEN, BENJAMIN, US  | [72] COHEN, BENJAMIN, US  |
| [72] DAWSON-HAGGERTY, MICHAEL, US   | [72] DAWSON-HAGGERTY, MICHAEL, US   | [72] DAWSON-HAGGERTY, MICHAEL, US   |
| [72] GEYER, CHRISTOPHER, US   | [72] GEYER, CHRISTOPHER, US   | [72] GEYER, CHRISOPHER, US  |
| [72] KOLETSCHKA, THOMAS, US   | [72] KOLETSCHKA, THOMAS, US   | [72] KOLETSCHKA, THOMAS, US   |
| [72] MARONEY, KYLE, US  | [72] MARONEY, KYLE, US  | [72] MARONEY, KYLE, US  |
| [72] MASON, MATTHEW T., US  | [72] MASON, MATTHEW T., US  | [72] MASON, MATTHEW T., US  |
| [72] PRICE, GENE TEMPLE, US   | [72] PRICE, GENE TEMPLE, US   | [72] PRICE, GENE TEMPLE, US   |
| [72] ROMANO, JOSEPH, US   | [72] ROMANO, JOSEPH, US   | [72] ROMANO, JOSEPH, US   |
| [72] SMITH, DANIEL, US  | [72] SMITH, DANIEL, US  | [72] SMITH, DANIEL, US  |
| [72] SRINIVASA, SIDDHARTHA, US  | [72] SRINIVASA, SIDDHARTHA, US  | [72] SRINIVASA, SIDDHARTHA, US  |
| [72] VELAGAPUDI, PRASANNA, US   | [72] VELAGAPUDI, PRASANNA, US   | [72] VELAGAPUDI, PRASANNA, US   |
| [72] ALLEN, THOMAS, US  | [72] ALLEN, THOMAS, US  | [72] ALLEN, THOMAS, US  |
| [71] BERKSHIRE GREY OPERATING COMPANY, INC., US   | [71] BERKSHIRE GREY OPERATING COMPANY, INC., US   | [71] BERKSHIRE GREY OPERATING COMPANY, INC., US   |
| [22] 2016-09-08   | [22] 2016-09-08   | [22] 2016-09-08   |
| [41] 2017-03-16   | [41] 2017-03-16   | [41] 2017-03-16   |
| [62] 2,998,122  | [62] 2,998,122  | [62] 2,998,122  |
| [30] US (62/215,489) 2015-09-08   | [30] US (62/215,489) 2015-09-08   | [30] US (62/215,489) 2015-09-08   |
| [30] US (62/262,136) 2015-12-02   | [30] US (62/262,136) 2015-12-02   | [30] US (62/262,136) 2015-12-02   |
| [21] 3,156,179  | [21] 3,156,179  | [21] 3,156,179  |
|   | [13] A1   | [13] A1   |
| [25] EN   | [25] EN   | [25] EN   |
| [54] USE OF TREATING ELEMENTS TO FACILITATE FLOW IN VESSELS   | [54] USE OF TREATING ELEMENTS TO FACILITATE FLOW IN VESSELS   | [54] USE OF TREATING ELEMENTS TO FACILITATE FLOW IN VESSELS   |
| [54] UTILISATION D'ELEMENTS DE TRAITEMENT POUR FACILITER L'ECOULEMENT DANS DES CUVES                                  | [54] UTILISATION D'ELEMENTS DE TRAITEMENT POUR FACILITER L'ECOULEMENT DANS DES CUVES                                  | [54] UTILISATION D'ELEMENTS DE TRAITEMENT POUR FACILITER L'ECOULEMENT DANS DES CUVES                                  |
| [72] GLOVER, JOHN N., US  | [72] GLOVER, JOHN N., US  | [72] GLOVER, JOHN N., US  |
| [72] HAM, PETER GREGORY, US   | [72] HAM, PETER GREGORY, US   | [72] HAM, PETER GREGORY, US   |
| [72] SCHNEIDER, AUSTIN, US  | [72] SCHNEIDER, AUSTIN, US  | [72] SCHNEIDER, AUSTIN, US  |
| [71] CRYSTAPHASE PRODUCTS, INC., US   | [71] CRYSTAPHASE PRODUCTS, INC., US   | [71] CRYSTAPHASE PRODUCTS, INC., US   |
| [22] 2017-02-10   | [22] 2017-02-10   | [22] 2017-02-10   |
| [41] 2017-08-17   | [41] 2017-08-17   | [41] 2017-08-17   |
| [62] 3,009,825  | [62] 3,009,825  | [62] 3,009,825  |
| [30] US (62/294,768) 2016-02-12   | [30] US (62/294,768) 2016-02-12   | [30] US (62/294,768) 2016-02-12   |
| [30] US (62/314,069) 2016-03-28   | [30] US (62/314,069) 2016-03-28   | [30] US (62/314,069) 2016-03-28   |
| [30] US (15/265,405) 2016-09-14   | [30] US (15/265,405) 2016-09-14   | [30] US (15/265,405) 2016-09-14   |

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| [21] 3,156,200   | [21] 3,156,595  | [21] 3,156,675  |
|--|---|---|
| [13] A1  | [13] A1   | [13] A1   |
| <p>[51] Int.Cl. C22C 38/54 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/50 (2006.01) C23C 2/02 (2006.01) C23C 2/12 (2006.01) C23C 2/40 (2006.01) C23F 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HOT-ROLLED AND COATED STEEL SHEET FOR HOT-STAMPING, HOT-STAMPED COATED STEEL PART AND METHODS FOR MANUFACTURING THE SAME</p> <p>[54] TOLE D'ACIER LAMEE A CHAUD ET REVETUE POUR ESTAMPAGE A CHAUD, PIECE EN ACIER REVETUE ESTAMPEE A CHAUD ET PROCEDES DE FABRICATION CORRESPONDANTS</p> <p>[72] HENRION, THOMAS, FR</p> <p>[72] JACOLOT, RONAN, FR</p> <p>[72] BEAUV AIS, MARTIN, FR</p> <p>[71] ARCELORMITTAL, LU</p> <p>[22] 2017-11-23</p> <p>[41] 2018-05-31</p> <p>[62] 3,044,772</p> <p>[30] IB (PCT/IB2016/057100) 2016-11-24</p> | <p>[51] Int.Cl. G01W 1/14 (2006.01)</p> <p>[25] EN</p> <p>[54] DISDROMETER HAVING ACOUSTIC TRANSDUCER AND METHODS THEREOF</p> <p>[54] DISDROMETRE COMPORTANT UN TRANSDUCTEUR ACOUSTIQUE ET PROCEDES ASSOCIES</p> <p>[72] WOLF, LAWRENCE ADAM, US</p> <p>[72] SIEGFRIED, BENJAMIN JOSEPH, US</p> <p>[72] SMITH, ADAM LEE, US</p> <p>[71] ARABLE LABS, INC., US</p> <p>[22] 2017-03-08</p> <p>[41] 2017-09-14</p> <p>[62] 3,013,653</p> <p>[30] US (62/305,211) 2016-03-08</p> <p>[30] US (15/452,457) 2017-03-07</p>                               | <p>[51] Int.Cl. A24F 40/46 (2020.01)</p> <p>[25] EN</p> <p>[54] APPARATUS FOR HEATING SMOKABLE MATERIAL</p> <p>[54] APPAREIL PERMETTANT DE CHAUFFER UNE MATIERE POUVANT ETRE FUMEE</p> <p>[72] PAPROCKI, BENJAMIN JOHN, US</p> <p>[72] WILKE, ANDREW PAUL, US</p> <p>[72] ROBEY, RAYMOND JOHN, US</p> <p>[72] ROBINSON, JESSE EUGENE, US</p> <p>[72] TIAN, FENG, US</p> <p>[71] NICOVENTURES TRADING LIMITED, GB</p> <p>[22] 2014-10-24</p> <p>[41] 2015-05-07</p> <p>[62] 3,041,922</p> <p>[30] US (61/897193) 2013-10-29</p>  |
| [21] 3,156,308   | [21] 3,156,663  | [21] 3,156,703  |
| [13] A1  | [13] A1   | [13] A1   |
| <p>[25] EN</p> <p>[54] NATURAL HEALTH PRODUCT GUMMIES COMPOSITION AND METHODS THEREFOR</p> <p>[54] COMPOSITIONS DE JUJUBES POUR PRODUIT NATUREL SANTE ET METHODES CONNEXES</p> <p>[72] KASURAK, ASHLEY, CA</p> <p>[72] REMTULLA, HUSAYN, CA</p> <p>[71] VIVA NATURALS, INC., CA</p> <p>[22] 2021-06-14</p> <p>[41] 2022-03-24</p> <p>[62] 3,122,201</p>  | <p>[51] Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6869 (2018.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01) C40B 50/00 (2006.01) G16B 20/10 (2019.01)</p> <p>[25] EN</p> <p>[54] GENERATING CELL-FREE DNA LIBRARIES DIRECTLY FROM BLOOD</p> <p>[54] GENERATION DE BIBLIOTHEQUES D'ADN ACELLULAIRE DIRECTEMENT A PARTIR DU SANG</p> <p>[72] SRINIVASAN, ANUPAMA, US</p> <p>[72] RAVA, RICHARD P., US</p> <p>[71] VERINATA HEALTH, INC., US</p> <p>[22] 2014-03-14</p> <p>[41] 2014-09-18</p> <p>[62] 2,906,818</p> <p>[30] US (61/801,126) 2013-03-15</p> | <p>[51] Int.Cl. C22C 38/54 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/50 (2006.01) C22C 38/58 (2006.01) C23C 2/02 (2006.01) C23C 2/12 (2006.01) C23C 2/40 (2006.01) C23F 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HOT-ROLLED AND COATED STEEL SHEET FOR HOT-STAMPING, HOT-STAMPED COATED STEEL PART AND METHODS FOR MANUFACTURING THE SAME</p> <p>[54] TOLE D'ACIER LAMEE A CHAUD ET REVETUE POUR ESTAMPAGE A CHAUD, PIECE EN ACIER REVETUE ESTAMPEE A CHAUD ET PROCEDES DE FABRICATION CORRESPONDANTS</p> <p>[72] HENRION, THOMAS, FR</p> <p>[72] JACOLOT, RONAN, FR</p> <p>[72] BEAUV AIS, MARTIN, FR</p> <p>[71] ARCELORMITTAL, LU</p> <p>[22] 2017-11-23</p> <p>[41] 2018-05-31</p> <p>[62] 3,044,772</p> <p>[30] IB (PCT/IB2016/057100) 2016-11-24</p> |

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[21] 3,156,724  
[13] A1

[25] EN  
 [54] **PREPARING SUPERPOSITIONS OF COMPUTATIONAL BASIS STATES ON A QUANTUM COMPUTER**  
 [54] **PREPARATION DE SUPERPOSITIONS D'ETATS DE BASE DE CALCUL SUR UN ORDINATEUR QUANTIQUE**  
 [72] JIANG, ZHANG, US  
 [72] BABBUCH, RYAN, US  
 [71] GOOGLE LLC, US  
 [22] 2019-07-03  
 [41] 2020-01-09  
 [62] 3,102,290  
 [30] US (62/694,850) 2018-07-06

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[21] 3,156,861  
[13] A1

[51] Int.Cl. B01F 23/2373 (2022.01) B01F 25/21 (2022.01) B01F 33/71 (2022.01)  
 [25] EN  
 [54] **METHOD AND SYSTEM FOR INJECTING A PRESSURIZED LIQUID STREAM WITH DISSOLVED GAS**  
 [54] **PROCEDE ET SYSTEME POUR INJECTER UN FLUX LIQUIDE SOUS PRESSION CONTENANT UN GAZ DISSOUS**  
 [72] SPEARS, JAMES, US  
 [72] RIDGWAY, JAMES, US  
 [71] ECO TOO, LLC, US  
 [71] JAMES RICHARD SPEARS MD PLLC, US  
 [22] 2011-06-03  
 [41] 2011-12-15  
 [62] 3,032,741  
 [30] US (12/795,362) 2010-06-07

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[21] 3,156,873  
[13] A1

[25] EN  
 [54] **SWIMMING POOL CLEANER AND ASSOCIATED COMPONENTS**  
 [54] **NETTOYEUR DE PISCINE ET COMPOSANTS ASSOCIES**  
 [72] HAYES, GRAHAM M., US  
 [72] TEUSCHER, SCOTT, US  
 [72] MARCIANO, EDWARD LAWRENCE, US  
 [72] ORTIZ, GARY, US  
 [72] CATY, PATRICK, US  
 [72] PEASTREL, MARK, US  
 [72] OSUNA, OMAR ENRIQUE, US  
 [72] RENIGAR, SETH DARRELL, US  
 [72] FLOYD, GREG, US  
 [72] FERRELL, GARRETT JACOB, US  
 [72] MAINVILLE, PATRICK, US  
 [72] DALLAIRE, ANTOINE, US  
 [71] HAYWARD INDUSTRIES, INC., US  
 [22] 2017-05-11  
 [41] 2018-11-15  
 [62] 3,073,752

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[21] 3,156,905  
[13] A1

[25] EN  
 [54] **NEW INDICATIONS FOR ANTI-IL-1-BETA THERAPY**  
 [54] **NOUVELLES INDICATIONS POUR UNE THERAPIE ANTI-IL-1-BETA**  
 [72] GRAM, HERMANN, DE  
 [72] JUNG, THOMAS, AT  
 [71] NOVARTIS AG, CH  
 [22] 2008-05-28  
 [41] 2008-12-04  
 [62] 3,080,328  
 [30] EP (07109084.9) 2007-05-29

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[21] 3,156,914  
[13] A1

[51] Int.Cl. B66F 3/35 (2006.01) B65G 7/02 (2006.01) B66F 11/00 (2006.01)  
 [25] EN  
 [54] **AUXILIARY MOUNTING TOOL FOR THE POSITIONING OF ELEMENTS IN RELATION TO AN ADJACENT FLAT OR PLANE**  
 [54] **OUTIL DE MONTAGE AUXILIAIRE PERMETTANT LE POSITIONNEMENT D'ELEMENTS PAR RAPPORT A UN PLAN OU PLAT ADJACENT**  
 [72] DISSING, CLAUS HORNSTRUP, DK  
 [71] DISSING A/S, DK  
 [22] 2015-08-06  
 [41] 2016-02-11  
 [62] 2,957,152  
 [30] DK (PA 2014 70478) 2014-08-08

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[21] 3,156,917  
[13] A1

[25] EN  
 [54] **CENTRIPETAL MICROFLUIDIC PLATFORM FOR LAL-REACTIVE SUBSTANCES TESTING**  
 [54] **PLATE-FORME MICROFLUIDIQUE CENTRIPETALE PERMETTANT DE TESTER DES SUBSTANCES REACTIVES AU TEST LAL**  
 [72] MELANSON, PAUL CHARLES, US  
 [72] GODEC, RICHARD DOUGLAS, US  
 [72] STONESMITH, MATTHEW KADDELAND, US  
 [72] SMITH, DARREN BARRY, US  
 [72] SUN, CHAO, CN  
 [71] BL TECHNOLOGIES, INC., US  
 [22] 2013-10-07  
 [41] 2014-04-17  
 [62] 2,886,469  
 [30] US (61/710,903) 2012-10-08  
 [30] US (61/710,898) 2012-10-08  
 [30] US (61/710,990) 2012-10-08  
 [30] US (61/710,908) 2012-10-08

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

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[21] **3,156,950**  
[13] A1

[51] **Int.Cl. E04H 15/54 (2006.01) E04F  
10/02 (2006.01) E04H 15/64 (2006.01)**  
[25] EN  
[54] **RETRACTABLE CANOPY**  
[54] **AUVENT RETRACTABLE**  
[72] BAILEY, GREG, CA  
[72] BROWN, TERRY JAMES, CA  
[72] BARRON, ANDREW JOHN, CA  
[71] OUTDOOR LIVING  
MANUFACTURING LTD., CA  
[22] 2015-07-17  
[41] 2017-01-17  
[62] 2,897,781

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[21] **3,157,027**  
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) A01K  
67/027 (2006.01) C07K 7/06 (2006.01)  
C07K 14/725 (2006.01) C07K 19/00  
(2006.01) C12N 5/10 (2006.01) C12N  
9/22 (2006.01) C12N 15/10 (2006.01)  
C12N 15/12 (2006.01) C12N 15/62  
(2006.01) C12Q 1/00 (2006.01) C12Q  
1/02 (2006.01)**  
[25] EN

[54] **METHODS AND COMPOSITIONS  
FOR MODIFICATION OF A T-  
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[54] **METHODES ET COMPOSITIONS  
DESTINEES A LA  
MODIFICATION D'UN GENE  
RECEPTEUR DE LYMPHOCYTE T**

[72] COLLINGWOOD, TREVOR, US  
[72] COOPER, LAURENCE J.N., US  
[72] GREGORY, PHILIP D., US  
[72] HOLMES, MICHAEL C., US  
[72] MILLER, JEFFREY C., US  
[72] REBAR, EDWARD J., US  
[72] REIK, ANDREAS, US  
[72] URNOV, FYODOR, US  
[71] SANGAMO THERAPEUTICS, INC.,  
US  
[71] BOARD OF REGENTS, THE  
UNIVERSITY OF TEXAS SYSTEM,  
US  
[22] 2011-07-21  
[41] 2012-01-26  
[62] 2,993,567  
[30] US (61/400,009) 2010-07-21  
[30] US (61/404,685) 2010-10-06

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[21] **3,157,087**  
[13] A1

[25] EN  
[54] **ASSAY CARTRIDGES AND  
METHODS OF USING THE SAME**  
[54]  
[72] ANDERSON, NICHOLAS, US  
[72] DEBAD, JEFFERY, US  
[72] GLEZER, ELI N., US  
[72] KUMAR, SUDEEP, US  
[72] LAWRENCE, NOEL, US  
[72] PAGE, KENNETH, US  
[72] SIGAL, GEORGE, US  
[72] WEST, SHARON, US  
[71] MESO SCALE TECHNOLOGIES,  
LLC, US  
[22] 2010-12-03  
[41] 2011-06-16  
[62] 3,028,780  
[30] US (61/283,677) 2009-12-07  
[30] US (61/283,927) 2009-12-10  
[30] US (61/284,276) 2009-12-16

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| UPL LIMITED  |           | VESTERGAARD, MARTIN                        | 3,152,323 | WANG, XIYUAN            |
| USBERTI, FRANCESCA   |           | VESTLANDETS<br>INNOVASJONSSELSKAP<br>AS    |           | WANG, YE-KUI            |
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| VALINGE INNOVATION AB  | 3,157,792 | VINOGRADOV, IGOR                           | 3,157,511 | WANG, YE-KUI            |
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| MAINVILLE, PATRICK                        | 3,156,873 | ROMANO, JOSEPH                           | 3,156,178 | WAGNER, THOMAS                   | 3,156,146 |
| MALKAS, LINDA, H.                         | 3,156,093 | ROMANO, JOSEPH                           | 3,156,185 | WAGNER, THOMAS                   | 3,156,178 |
| MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED | 3,155,961 | SABIN, ERIK N.                           | 3,155,536 | WAGNER, THOMAS                   | 3,156,185 |
| MALTA INC.                                | 3,156,053 | SALAHANDISH, RAZIEH                      | 3,155,751 | WANG, BIN                        | 3,155,952 |
| MANYGOATS, ROY J.                         | 3,155,761 | SALAHANDISH, RAZIEH                      | 3,156,085 | WANG, GANG (A.K.A. JOSEPH)       | 3,155,751 |
| MARCIANO, EDWARD LAWRENCE                 | 3,156,873 | SANGAMO THERAPEUTICS, INC.               | 3,157,027 | WANG, GANG (A.K.A. JOSEPH)       | 3,156,085 |
| MARONEY, KYLE                             | 3,156,146 | SANGARE, ABDOULAYE                       | 3,155,961 |                                  |           |
| MARONEY, KYLE                             | 3,156,178 | SCHNEIDER, AUSTIN                        | 3,156,179 | WARNER, TYLER                    | 3,155,952 |
| MARONEY, KYLE                             | 3,156,185 | SIEGFRIED, BENJAMIN JOSEPH               | 3,156,595 | WATSON, RONALD ROSS              | 3,155,458 |
| MASON, MATTHEW T.                         | 3,156,146 | SIGAL, GEORGE                            | 3,157,087 | WEST, SHARON                     | 3,157,087 |
| MASON, MATTHEW T.                         | 3,156,178 | SIMONYAN, KAREN                          | 3,155,320 | WILKE, ANDREW PAUL               | 3,156,675 |
| MASON, MATTHEW T.                         | 3,156,185 | SINGH, AMANDEEP                          | 3,156,115 | WOLF, LAWRENCE ADAM              | 3,156,595 |
| MASTON, ROBERT                            | 3,155,403 | SLOSS, JAMES L.                          | 3,155,536 | WYMAN, CHARLES E.                | 3,155,937 |
| MCCALL, WILLIAM JOHN                      | 3,155,907 | SMITH, ADAM LEE                          | 3,156,595 | YANG, VICTOR XIAO DONG           | 3,156,115 |
| MELANSON, PAUL CHARLES                    | 3,156,917 | SMITH, DANIEL                            | 3,156,146 | YERRAMILLI, MAHALAKSHNI          | 3,155,662 |
| MESO SCALE TECHNOLOGIES, LLC              | 3,157,087 | SMITH, DANIEL                            | 3,156,185 | YERRAMILLI, MURTHY V. S. N.      | 3,155,662 |
| MILLER, JEFFREY C.                        | 3,157,027 | SMITH, DARREN BARRY                      | 3,156,917 | ZANETTI, ERIC BENJAMIN ALEXANDER | 3,155,907 |
| MITCHELL, BRETT                           | 3,118,829 | SONDEREGGER, RALPH L.                    | 3,155,952 | ZHANG, YI                        | 3,155,721 |
| MONSEES, JAMES                            | 3,155,455 | SOUTHWEST SCIENTIFIC                     |           | ZOBRO, JONATHAN                  | 3,155,536 |
| MORENSTEIN, JOSHUA                        | 3,155,455 | EDITING & CONSULTING,                    |           |                                  |           |
| MUNCE, NIGEL ROBERT                       | 3,156,115 | LLC                                      | 3,155,458 |                                  |           |
| NANOSCALE COMPONENTS, INC.                | 3,155,773 | SPATARO, JOSEPH                          | 3,155,952 |                                  |           |
| NEUROCRINE BIOSCIENCES, INC.              | 3,155,599 | SPEARS, JAMES                            | 3,156,861 |                                  |           |
| NICOVENTURES TRADING LIMITED              | 3,156,675 | SRINIVASA, SIDDHARTHA                    | 3,156,146 |                                  |           |
| NIEMEYER, DAVID WILHELM                   | 3,155,907 | SRINIVASA, SIDDHARTHA                    | 3,156,178 |                                  |           |
| NORRIS, MICHAEL G.                        | 3,155,536 | SRINIVASAN, ANUPAMA                      | 3,156,185 |                                  |           |
| NOVARTIS AG                               | 3,156,905 | STONESMITH, MATTHEW KADDELAND            | 3,156,663 |                                  |           |
| O'DWYER, MICHAEL EAMON PETER              | 3,156,128 | SUN, CHAO                                | 3,155,952 |                                  |           |
| ONK THERAPEUTICS LIMITED                  | 3,156,128 | SUNNYBROOK RESEARCH INSTITUTE            | 3,156,917 |                                  |           |
| ORTIZ, GARY                               | 3,156,873 | SWEETLAND, MATTHEW                       | 3,156,917 |                                  |           |
| OSUNA, OMAR ENRIQUE                       | 3,156,873 | TANAKA, TATSUO                           | 3,155,773 |                                  |           |
| OUTDOOR LIVING MANUFACTURING LTD.         | 3,156,950 | TEUSCHER, SCOTT                          | 3,155,708 |                                  |           |
| PAGE, KENNETH                             | 3,157,087 | THE BOEING COMPANY                       | 3,156,873 |                                  |           |
| PAPROCKI, BENJAMIN JOHN                   | 3,156,675 | THERRIEN, ALEXANDER R.                   | 3,155,539 |                                  |           |
| PAWLOWSKI, DANIEL F.                      | 3,155,536 | THURBER, JONATHAN R.                     | 3,155,536 |                                  |           |
| PEASTREL, MARK                            | 3,156,873 | TIAN, FENG                               | 3,155,536 |                                  |           |
| POLARIS INDUSTRIES INC.                   | 3,155,788 | TITONE, RYAN S.                          | 3,156,675 |                                  |           |
| PRICE, GENE TEMPLE                        | 3,156,146 | TUREK, CHRISTOPHER                       | 3,155,761 |                                  |           |
| PRICE, GENE TEMPLE                        | 3,156,178 | UNIVERSITY OF VIRGINIA PATENT FOUNDATION | 3,155,961 |                                  |           |
| PRICE, GENE TEMPLE                        | 3,156,185 | URNOV, FYODOR                            | 3,156,058 |                                  |           |
| PSZENNY, SEAN MATTHEW                     | 3,155,770 | VALMONT INDUSTRIES, INC.                 | 3,157,027 |                                  |           |
| PUCHKOFF, JEROME                          | 3,155,920 | VAN DEN OORD, AARON GERARD ANTONIUS      | 3,155,567 |                                  |           |
| RABENO, ERIC                              | 3,155,961 | VAN DER MERWE, DIRK A.                   | 3,156,085 |                                  |           |
| RAIL-VEYOR TECHNOLOGIES GLOBAL INC.       | 3,155,907 | VANDLIK, MARK                            | 3,156,146 |                                  |           |
| RAVA, RICHARD P.                          | 3,156,663 | VASTAREY, NIKHIL SURESH                  | 3,155,320 |                                  |           |
| REAY, CURTIS RON                          | 3,155,907 | VASTAREY, NIKHIL SURESH                  | 3,155,536 |                                  |           |
| REBAR, EDWARD J.                          | 3,157,027 | VELAGAPUDI, PRASANNA                     | 3,155,961 |                                  |           |
| REIK, ANDREAS                             | 3,157,027 | VELAGAPUDI, PRASANNA                     | 3,155,751 |                                  |           |
| REMTULLA, HUSAYN                          | 3,156,308 | VELAGAPUDI, PRASANNA                     | 3,156,085 |                                  |           |
| RENIGAR, SETH DARRELL                     | 3,156,873 | VERINATA HEALTH, INC.                    | 3,156,146 |                                  |           |
| RIDGWAY, JAMES                            | 3,156,861 | VERTIMASS, LLC                           | 3,156,178 |                                  |           |
|   |           | VINYALS, ORIOL                           | 3,156,185 |                                  |           |
|   |           |  | 3,156,663 |                                  |           |
|   |           |  | 3,155,937 |                                  |           |
|   |           |  | 3,155,320 |                                  |           |