



Canadian  
Intellectual Property  
Office

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Office de la propriété  
intellectuelle  
du Canada

Un organisme  
d'Industrie Canada

ISSN-1712-4034



# Canadian Patent Office Record

# Gazette du Bureau des brevets

Vol. 132 No. 47 November 23, 2004

Vol. 132, N° 47 le 23 novembre 2004

Canada

CIPO  OPIC

# THE CANADIAN PATENT OFFICE RECORD

# LA GAZETTE DU BUREAU DES BREVETS

David Tobin  
Commissioner of Patents

David Tobin  
Commissaire aux 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 other than those concerning subscriptions or requests for single copies 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 autre que les abonnements ou les commandes d'exemplaires séparés.

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] - Reissue Grant Date
- [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 en-têtes 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 en-têtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques ». Ces codes sont utilisés pour l'indentification 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 redélivrance
- [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 at: [www.wipo.int/scit/en/standards/standards.htm](http://www.wipo.int/scit/en/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 a 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

### 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.

### 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 à : [www.wipo.int/scit/fr/standards/standards.htm](http://www.wipo.int/scit/fr/standards/standards.htm).

### 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 au [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. 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.

## Notices

### 5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit on 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 on request.

### 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.

### 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 10 of these notices.

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

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

**2,258,138**

### 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. 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. 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. 10 des présents avis.

### 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.

**2,258,138**

## Avis

### 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).

### 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.

## Notices

### **11. PATENT COOPERATION TREATY (PCT)**

#### **SCHEDULE OF FEES APPLICABLE FROM JULY 26, 2004**

<b>1. Transmittal Fee (Rule 14)</b>	<b>\$300</b>
<b>2. * International Filing Fee (Rule 15.2(a))</b>	<b>\$1489</b>
Amount for each additional sheet over 30	<b>\$16</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 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 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.

#### **5. Late Payment Fee**

50% of the fees that are due, or,  
Minimum: Transmittal Fee  
Maximum: International Filing Fee

Preliminary Examination

#### **6. Handling Fee (Rule 57.2(a))**

#### **7. Preliminary Examination Fee (Rule 58)**

Beginning July 26, 2004, Canada will become the International Searching Authority and International Preliminary Examining Authority for international applications filed by Canadian applicants.

\* International fees will be reduced by **\$106** for all applications filed using PCT-SAFE\*\*

\*\* PCT-SAFE is replacing PCT-EASY.

### **11. TRAITÉ DE COOPÉRATION EN MATIERE DE BREVETS (PCT)**

#### **BARÈME DE TAXES À PARTIR DU 26 JUILLET 2004**

<b>1. Taxe de transmission (Règle 14)</b>	<b>300 \$</b>
<b>2.*Taxe de dépôt internationale (Règle 15.2(a))</b>	<b>1489 \$</b>
Montant pour chaque feuille au delà de 30	<b>16 \$</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 du dépôt de la demande, (soit la date de réception de la demande internationale). Les taxes doivent être payées en dollars canadiens et sont payables au Receveur Général du Canada.

Si l'office récepteur constate que le déposant ne lui a payé aucune taxe, il invite le déposant à lui payer, dans un délai d'un mois à compter de la date de l'invitation, le montant nécessaire pour couvrir ces taxes, majoré, le cas échéant, de la taxe pour paiement tardif visée à la règle 16bis.2.

#### **5. Taxe pour paiement tardif**

50% du montant impayé, ou,  
Minimum : taxe de transmission  
Maximum : taxe de base

Examen préliminaire

#### **6. Taxe de traitement (Règle 57.2(a))**

#### **7. Taxe d'examen préliminaire (Règle 58)**

A partir du 26 juillet 2004, le Canada deviendra officiellement l'Autorité de Recherche Internationale et d'Examination Préliminaire International pour les demandes internationales déposées par les demandeurs canadiens.

\*Les frais seront réduits de **106 \$** pour toutes les demandes déposées en utilisant PCT-SAFE\*\*

\*\* PCT-SAFE remplacera PCT-EASY.

## Avis

### 12. PCT notices

#### PCT Signature Requirements

Please note that in conformity with the PCT requirements, the European Patent Office (EPO) requires that the signature identifies a physical person (whose name should be typewritten below the signature); where the person signs on behalf of a legal entity, the capacity should also be indicated (typewritten).

(See PCT -Applicant's Guide, <http://www.wipo.int>)

#### 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" at [publications.mail@wipo.int](mailto:publications.mail@wipo.int) or visit their Web site at <http://www.wipo.int>.

### 13. PRACTICE NOTICE

#### **STATUTORY HOLIDAYS (*DIES NON*)**

**Note:** This practice notice is intended to provide guidance on current Canadian Intellectual Property Office (CIPO) 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.

Time limits under the *Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts*

In accordance with section 26 of the *Interpretation Act*, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Industry Canada regional office; or a Registered Mail establishment) 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

### 12. Avis PCT

#### Exigences des signatures du PCT

Veuillez noter que conformément aux exigences du PCT, l'Office européen des brevets (OEB) réclame que la signature identifie une personne physique dont le nom dactylographié devrait apparaître au-dessous de la signature. Lorsque telle personne signe au nom d'une personne morale, il convient d'indiquer, également en caractères dactylographiques, la qualité du signataire.

(Voir le Guide du déposant du PCT, <http://www.wipo.int>)

#### 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 à [publications.mail@wipo.int](mailto:publications.mail@wipo.int) ou visiter leur site Web à <http://www.wipo.int>.

### 13. ÉNONCÉ DE PRATIQUE

#### **JOURS FÉRIÉS (*DIES NON*)**

**Nota :** Le présent avis a pour objet de fournir une orientation pour les pratiques et l'interprétation à l'Office de la propriété intellectuelle du Canada (OPIC) touchant les lois pertinentes. Toutefois, en cas d'incohérence entre cet avis et la loi applicable, il faut se reporter à la loi.

Délais prévus dans *les lois régissant les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés*

Selon l'article 26 de la *Loi d'interprétation*, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Industrie Canada ou un établissement de Courrier recommandé) 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

## Notices

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.

Operationally, CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, 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 they are properly entitled to any needed extension of the time limit.

### Time limits under the *Patent and Trade-marks Acts*

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the *Patent Act* and subsection 66(1) of the *Trade-marks Act*, any patent or trade-mark time limit that expires on a day when the Patent and Trade-marks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered. No equivalent provisions exist under the *Industrial Design, Copyright or Integrated Circuit Topography Acts*.

### Time limits 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 on which such Office or organization is not open to the public for the purposes of the transaction of official business, or on which ordinary mail is not delivered in the locality in which such Office or organization is situated, the period shall expire on the next subsequent day on which neither of the two circumstances exists.”

CIPO takes the position that section 26 of the *Interpretation Act* applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for the filing of a document in Canada 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. CIPO however takes no position as to whether such extensions would be recognized by other coun-

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 un télécopieur, seraient réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. En conséquence, 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.

### Délais prévus dans la *Loi sur les brevets* et dans la *Loi sur les marques de commerce*

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la *Loi sur les brevets* et 66(1) de la *Loi sur les marques de commerce* stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés. Il n'existe pas de disposition du genre dans la *Loi sur les dessins industriels*, la *Loi sur le droit d'auteur* ou la *Loi sur les topographies de circuits intégrés*.

### Délais prévus dans le 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 où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles, ou bien un jour où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé, le délai prend fin le premier jour suivant où ces deux circonstances n'existe plus. »

L'OPIC estime que l'article 26 de la *Loi d'interprétation* s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il

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tries and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the *Regulations under the PCT* or some other applicable law.

### Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

- 1) **Alberta:** 3rd Monday in February (Alberta Family Day)
- 2) **British Columbia:** 1st Monday in August (British Columbia Day)
- 3) **New Brunswick:** 1st Monday in August (New Brunswick Day)
- 4) **Nova Scotia:** 1st Monday in August (Civic Holiday)
- 5) **Ontario:** 1st Monday in August (Civic Holiday)
- 6) **Quebec:** June 24 (St. John the Baptist Day)
- 7) **Saskatchewan:** 1st Monday in August (Saskatchewan Day)
- 8) **Yukon:** 3rd Monday in August (Discovery Day)

When Patent and Trade-marks Offices are closed for business

For the purposes of subsection 78(1) of the *Patent Act* and subsection 66(1) of the *Trade-marks Act*, the Patent and Trade-marks Offices are closed for business on the following days:

- 1) All Saturdays and Sundays
- 2) \*New Year's Day (Jan. 1)
- 3) Good Friday
- 4) Easter Monday
- 5) Victoria Day - First Monday immediately preceding May 25
- 6) \*St. John the Baptist Day (June 24)
- 7) \*Canada Day (July 1)
- 8) Labour Day - First Monday in September
- 9) Thanksgiving Day - Second Monday in October
- 10) \*Remembrance Day (November 11)
- 11) \*Christmas Day (December 25)
- 12) Boxing Day (December 26)

If December 26 falls on a Saturday, the Patent and Trade-marks Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

\*If any of these holidays fall on a Saturday or Sunday, the Patent and Trade-marks Offices will be closed on the following Monday.

incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du *Règlement d'exécution du PCT* ou d'une autre loi pertinente.

### Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après ne sont pas des jours fériés pour l'administration fédérale, mais ils sont des jours fériés dans au moins une province ou territoire :

- 1) **Alberta :** 3e lundi de février (Jour de la Famille de l'Alberta)
- 2) **Colombie-Britannique :** 1er lundi d'août (Fête de la Colombie-Britannique)
- 3) **Nouveau-Brunswick :** 1er lundi d'août (Fête du Nouveau-Brunswick)
- 4) **Nouvelle-Écosse :** 1er lundi d'août (congé statutaire)
- 5) **Ontario :** 1er lundi d'août (congé statuaire)
- 6) **Québec :** 24 juin (Saint-Jean-Baptiste)
- 7) **Saskatchewan :** 1er lundi d'août (Fête de la Saskatchewan)
- 8) **Yukon :** 3e lundi d'août (Jour de la Découverte)

Jours de fermeture au public des bureaux des brevets et des marques de commerce

Pour l'application des paragraphes 78(1) de la *Loi sur les brevets* et 66(1) de la *Loi sur les marques de commerce*, les bureaux des brevets et des marques de commerce sont fermés au public les jours suivants :

- 1) Tous les samedi et dimanche
- 2) \*Jour de l'An (1er janvier)
- 3) Vendredi Saint
- 4) Lundi de Pâques
- 5) Fête de Victoria - premier lundi précédent immédiatement le 25 mai
- 6) \*Saint-Jean-Baptiste (le 24 juin)
- 7) \*Fête du Canada (1er juillet)
- 8) Fête du travail - premier lundi de septembre
- 9) Jour de l'Action de grâces - deuxième lundi d'octobre
- 10) \*Jour du souvenir (11 novembre)
- 11) \*Jour de Noël (25 décembre)
- 12) L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux des brevets et des marques de commerce seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

\*Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

## **Notices**

### **14.Erratum**

Notice is hereby given that in the English version of Notice numbers 14 and 15, published in the Canadian Patent Office Record of October 5, 12 and 19, 2004, the footnote entitled "Updated Correspondence Procedures," should have read:

- 1 With the exception of correspondence addressed to the Office of the Registrar of Topographies

### **15. Canadian Applications Open to Public Inspection**

The *Canadian Patent Office Record* of November 23, 2004 contains applications open to public inspection from October 31, 2004 to November 6, 2004

### **14.Erratum**

Avis est par les présentes donné que dans la version anglaise des Avis nos 14 et 15 publiés dans la Gazette du Bureau des brevets en date du 5, 12 et 19 octobre 2004, la note en bas de page intitulée « Mise à jour des procédures de correspondance », aurait dû se lire :

- 1 With the exception of correspondence addressed to the Office of the Registrar of Topographies

### **15. Demandes Canadiennes mises à la disponibilité du public**

Ce numéro de la *Gazette du bureau des brevets* contient les demandes disponibles au public pour consultation pour la période du 31 octobre 2004 au 6 novembre 2004

## **Avis**

# Canadian Patents Issued

November 23, 2004

## Brevets canadiens délivrés

23 novembre 2004

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[11] **1,341,465**  
[13] C

[52] 195-1.23 47-4 71-7.5 71-7.9  
[51] Int.Cl. 7A01H 4/00 7A01H 5/00  
7C12N 5/04 7C12N 15/82 7C12N 15/54  
7A01N 43/66 7A01N 43/90 7A01N 43/50  
7A01N 43/653  
[25] EN  
[54] HERBICIDE RESISTANCE IN  
PLANTS  
[54] RESISTANCE AUX HERBICIDES  
CHEZ LES PLANTES  
[72] ANDERSON, PAUL C., US  
[72] HIBBERD, KENNETH A., US  
[73] MOLECULAR GENETICS, INC., US  
[21] **475,717**  
[22] 1985-03-04  
[62] 617,165  
[30] US (586,802) 1984-03-06

---

[11] **1,341,466**  
[13] C

[52] 195-1.12  
[51] Int.Cl. 7C12O 1/04 7C07K 1/14  
7C12O 1/68 7G01N 33/53 7G01N 33/574  
7G01N 33/68  
[25] EN  
[54] METHOD FOR DETERMINING  
TISSUE OF ORIGIN AND PRESENCE  
AND EXTENT OF CELLULAR  
ABNORMALITIES  
[54] METHODE POUR DETERMINER  
LE TISSU D'ORIGINE, AINSI QUE LE  
PRESENCE ET LA DISTRIBUTION DE  
CELLULES ANORMALES  
[72] PENMAN, SHELDON, US  
[72] FEY, EDWARD G., US  
[73] MASSACHUSETTS INSTITUTE OF  
TECHNOLOGY, US  
[21] **534,304**  
[22] 1987-04-09  
[30] US (946,770) 1986-12-23

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[11] **2,011,032**  
[13] C

[51] Int.Cl. 5B32B 15/08 5B32B 27/08  
[25] EN  
[54] LAMINATED PACKAGING FILM  
[54] PELLICULE D'EMBALLAGE  
MULTICOUCHE  
[72] BALLONI, RICCARDO, US  
[72] NAHMIAS, ALAN MICHAEL, US  
[73] EXXONMOBIL OIL CORPORATION,  
US  
[22] 1990-02-27

---

---

[11] **2,040,071**  
[13] C

[51] Int.Cl. 5E21C 1/12 5E21B 10/08  
[25] EN  
[54] PERCUSSIVE ROCK CUTTING  
TOOL  
[54] PERFORATRICE A PERCUSSION  
[72] BECHEM, ULRICH, DE  
[72] LENZEN, DIETER, DE  
[73] HANNELORE BECHEM, DE  
[22] 1991-04-09  
[30] CH (01 205/90-8) 1990-04-09

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[11] **2,012,482**  
[13] C

[51] Int.Cl. 5C12N 15/51 5C07H 21/00  
5C12P 21/08 6C07K 16/10 5C12N 5/10  
6C07K 14/18 5C12N 1/19 5A61K 39/29  
5A61K 39/42 5G01N 33/576 5A61K 31/70  
5C12Q 1/70  
[25] EN  
[54] HEPATITIS C DIAGNOSTICS AND  
VACCINES  
[54] DIAGNOSTIC DE L'HEPATITE C  
ET VACCINS  
[72] HOUGHTON, MICHAEL, US  
[72] KUO, GEORGE, US  
[72] CHOO, QUI-LIM, US  
[73] CHIRON CORPORATION, US  
[22] 1990-03-19  
[30] US (325,338) 1989-03-17  
[30] US (341,334) 1989-04-20  
[30] US (355,002) 1989-05-18

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[11] **2,059,052**  
[13] C

[51] Int.Cl. 5C07D 233/66 5C07D 401/12  
5C07D 403/12 5C07D 405/12 5C07D 409/  
12 5C07D 413/12 5C07D 417/12 5A61K 31/  
41 5A61K 31/435 5A61K 31/495  
[25] FR  
[54] PHENYLIMIDAZOLIDINES, LEUR  
PROCEDE DE PREPARATION, LEUR  
APPLICATION COMME  
MEDICAMENTS ET LES  
COMPOSITIONS  
PHARMACEUTIQUES LES  
RENFERMANT  
[54] PHENYLIMIDAZOLIDINES,  
PROCESS FOR THEIR PREPARATION,  
THEIR APPLICATION AS  
MEDICAMENTS AND  
PHARMACEUTICAL COMPOSITIONS  
CONTAINING THEM  
[72] GAILLARD-KELLY, MARTINE, FR  
[72] GOUBET, FRANCOIS, FR  
[72] PHILIBERT, DANIEL, FR  
[72] TEUTSCH, JEAN-GEORGES, FR  
[73] AVENTIS PHARMA S.A., FR  
[22] 1992-01-08  
[30] FR (91 00 185) 1991-01-09

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---

[11] **2,032,998**  
[13] C

[51] Int.Cl. 5B63C 3/00  
[25] EN  
[54] PORTABLE BOAT SKIDWAY  
[54] PATINS D'AMENAGE PORTABLES  
POUR EMBARCATIONS  
[72] AUNE, HAROLD JULIAN, CA  
[73] AUNE, HAROLD JULIAN, CA  
[22] 1990-12-21  
[30] US (07,454,310) 1989-12-22

---

**Canadian Patents Issued  
November 23, 2004**

---

[11] **2,060,982**  
[13] C

[51] Int.Cl. 5B65D 43/10  
[25] EN  
[54] IMPROVED CLOSURE ASSEMBLY  
FOR CONTAINER  
[54] ENSEMBLE DE FERMETURE  
AMELIORE POUR RECIPIENT  
[72] STRAUB, ROY, US  
[73] PACKAGING ACCESSORIES  
CORPORATION, US  
[22] 1992-02-11  
[30] US (661,877) 1991-02-27  
[30] US (756,612) 1991-09-09

---

[11] **2,063,071**  
[13] C

[51] Int.Cl. 5C07C 303/32 5C07C 309/58  
[25] EN  
[54] METHOD FOR SULFONATING  
ACYLOXYBENZENES AND  
NEUTRALIZATION OF RESULTING  
PRODUCT  
[54] METHODE POUR SULFONER DES  
ACYLOXYBENZENES ET  
NEUTRALISATION DU PRODUIT  
OBTENU  
[72] OTTOBONI, THOMAS B., US  
[72] BRODBECK, KEVIN J., US  
[72] SPILLETT, CRIS TINA, US  
[72] ZIELSKIE, ALFRED G., US  
[72] SINISI, LEONARDO, US  
[72] THOMPSON, SUZANNE M., US  
[72] KUHNER, LISA M., US  
[72] MARTIN, GREGORY T., US  
[72] STEICHEN, DALE S., US  
[73] THE CLOROX COMPANY, US  
[22] 1992-03-13  
[30] US (07/674,838) 1991-03-25

---

[11] **2,065,500**  
[13] C

[51] Int.Cl. 5C09K 19/32 5G02F 1/01  
5C09K 19/02 5C07D 215/48  
[25] EN  
[54] LIGHT-POLARIZING MATERIAL  
BASED ON QUINALDIC ACID  
DERIVATIVES  
[54] PRODUITS A BASE DE DERIVES  
DE L'ACIDE QUINALDIQUE  
POLARISANT LA LUMIERE  
[72] CHECK, JOSEPH ALOYSIUS III, US  
[72] SAXE, ROBERT L., US  
[73] RESEARCH FRONTIERS  
INCORPORATED, US  
[22] 1992-04-07

---

[11] **2,070,595**  
[13] C

[51] Int.Cl. 5C07C 11/02 5C07C 43/04  
5C07C 41/06 5C07C 5/27  
[25] EN  
[54] PROCESS FOR ISOMERIZING  
LINEAR OLEFINS TO ISOOLEFINS  
[54] METHODE D'ISOMERISATION  
D'OLEFINES LINEAIRES EN ISO-  
OLEFINES  
[72] POWERS, DONALD H., US  
[72] MURRAY, BRENDAN D., US  
[72] WINQUIST, BRUCE H. C., US  
[72] CALLENDER, EDWIN M., US  
[72] VARNER, JAMES H., US  
[73] LYONDELL PETROCHEMICAL  
COMPANY, US  
[22] 1992-06-05  
[30] US (07/711,041) 1991-06-05  
[30] US (07/711,044) 1991-06-05  
[30] US (07/874,335) 1992-04-24

---

[11] **2,075,077**  
[13] C

[51] Int.Cl. 5A61K 35/78  
[25] EN  
[54] STEVIA EXTRACT-CONTAINING  
LIQUID INTERNAL MEDICINE AND  
METHOD OF PREPARING THE SAME  
[54] MEDICAMENT LIQUIDE A USAGE  
INTERNE CONTENANT DE  
L'EXTRAIT DE STEVIA ET MODE DE  
PREPARATION  
[72] DOZONO, FUMIO, JP  
[73] SATO, NAOHIKO, JP  
[73] SATO, NAOHIKO, JP  
[22] 1992-07-31  
[30] JP (3-193301) 1991-08-01

---

[11] **2,076,193**  
[13] C

[51] Int.Cl. 5B65D 81/32  
[25] FR  
[54] CONDITIONNEMENT A DEUX  
FLACONS PERMETTANT DE  
STOCKER SEPARATEMENT L'UN DE  
L'AUTRE DEUX PRODUITS,  
NOTAMMENT DES LIQUIDES, ET DE  
LES MELANGER AU MOMENT DE  
LEUR UTILISATION  
[54] CONDITIONING PROCESS USING  
TWO FLASKS ALLOWING SEPARATE  
STOCKING OF TWO PRODUCTS,  
ESPECIALLY LIQUIDS, AND THEIR  
MIXING AT THE TIME OF USE  
[72] GOYET, DANIEL, FR  
[72] BOE-DREYFUS, FABRICE, FR  
[73] L'OREAL, FR  
[22] 1992-08-14  
[30] FR (91 10 378) 1991-08-16

---

[11] **2,077,423**  
[13] C

[51] Int.Cl. 5E01C 19/28  
[25] EN  
[54] COMPACTOR  
[54] COMPACTEUR  
[72] VURAL, GULERTAN, DE  
[73] BOMAG GMBH, DE  
[22] 1992-09-02  
[30] DE (P 41 29 182.4) 1991-09-03

---

[11] **2,078,945**  
[13] C

[51] Int.Cl. 5B65D 39/08  
[25] EN  
[54] LEAK PROOF DRAIN PLUG  
CONSTRUCTION  
[54] BONDE DE VIDAGE ETANCHE  
[72] ACKERMAN, YURI, US  
[73] SKF USA, INC., US  
[22] 1992-09-23  
[30] US (07/767,861) 1991-09-30

---

[11] **2,079,090**  
[13] C

[51] Int.Cl. 5D21H 17/42 5D21H 17/45  
[25] EN  
[54] PAPERMAKING PROCESS  
[54] PROCEDE DE FABRICATION DE  
PAPIER  
[72] SMITH, JAMES H., JR., US  
[73] NALCO CHEMICAL COMPANY, US  
[22] 1992-09-24  
[30] US (766,310) 1991-09-27

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Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,084,076  
[13] C

[51] Int.Cl. 5C12N 15/54 5C07H 21/00  
5C12N 5/10 5C12N 9/12 5A61K 39/395  
5C12Q 1/48  
[25] EN  
[54] FAMILY OF MAP2 PROTEIN KINASES  
[54] FAMILLES DE PROTEINES KINASES MAP2  
[72] BOULTON, TERI G., US  
[72] COBB, MELANIE H., US  
[72] YANCOPOULOS, GEORGE D., US  
[72] NYE, STEVEN, US  
[72] PANAYOTATOS, NIKOS, US  
[73] REGENERON PHARMACEUTICALS, INC., US  
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS, US  
[85] 1992-11-27  
[86] 1991-06-03 (PCT/US1991/003894)  
[87] (WO1991/019008)  
[30] US (532,004) 1990-06-01  
[30] US (701,544) 1991-05-16

---

[11] 2,085,466  
[13] C

[51] Int.Cl. 5A61C 13/30 5A61C 8/00  
[25] EN  
[54] INTERMITTENT THREADED DENTAL POSTS  
[54] PIVOTS DENTAIRES A FILETAGE INTERMITTENT  
[72] SULLIVAN, JERRY F., US  
[73] COLTENE/WHALENT, INC., US  
[85] 1992-12-15  
[86] 1992-04-20 (PCT/US1992/003182)  
[87] (WO1992/019175)  
[30] US (692,310) 1991-04-26

---

[11] 2,090,856  
[13] C

[51] Int.Cl. 5A23L 2/38  
[25] EN  
[54] GREEN JUICES OR DRY POWDERS THEREOF  
[54] JUS VERTS OU POUDRES SECHES DE CES JUS  
[72] HAGIWARA, HIDEAKI, JP  
[72] HAGIWARA, YOSHIHIDE, JP  
[73] HAGIWARA, YOSHIHIDE, JP  
[85] 1993-03-02  
[86] 1992-07-02 (PCT/JP1992/000832)  
[87] (WO1993/000831)  
[30] JP (188,232/91) 1991-07-03

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---

[11] 2,090,867  
[13] C

[51] Int.Cl. 5E04B 1/32 5G09F 15/00  
[25] EN  
[54] POLYHEDRON BUILDING SYSTEM  
[54] SYSTEME DE CONSTRUCTION POLYEDRIQUE  
[72] ZEIGLER, THEODORE R., US  
[73] WORLD SHELTERS, INC., US  
[85] 1993-03-02  
[86] 1991-08-21 (PCT/US1991/005959)  
[87] (WO1992/004510)  
[30] US (577,777) 1990-09-05

---

[11] 2,094,112  
[13] C

[51] Int.Cl. 5C09K 21/00 5C09K 21/02  
5C04B 22/14 5B05D 1/14  
[25] EN  
[54] IMPROVED SPRAYABLE PORTLAND CEMENT-BASED FIREPROOFING COMPOSITIONS  
[54] COMPOSITIONS VAPORISABLES D'IGNIFUGATION A BASE DE CIMENT PORTLAND  
[72] PERITO, RICHARD P., US  
[73] W.R. GRACE & CO.-CONN., US  
[22] 1993-04-15  
[30] US (869,605) 1992-04-16

---

[11] 2,098,082  
[13] C

[51] Int.Cl. 5A61L 25/00 5A61L 27/00  
5C08J 7/04 5C08F 2/44  
[25] EN  
[54] BONE CEMENT COMPOSITION AND METHOD OF MANUFACTURE  
[54] COMPOSITION DE CIMENT POUR LES OS ET METHODE DE FABRICATION  
[72] LIN, STEVE T., US  
[73] BRISTOL-MYERS SQUIBB COMPANY, US  
[22] 1993-06-09  
[30] US (07/921,030) 1992-07-28

---

[11] 2,101,678  
[13] C

[51] Int.Cl. 5C08F 210/12  
[25] EN  
[54] BUTYL RUBBER WITH A BIMODAL MOLECULAR WEIGHT DISTRIBUTION  
[54] CAOUTCHOUC BUTYLE A DISTRIBUTION BIMODALE DE PM  
[72] PUSKAS, JUDIT EVA, CA  
[72] KASZAS, GABOR, CA  
[73] BAYER INC., CA  
[22] 1993-06-17  
[30] US (914,368) 1992-07-15

---

[11] 2,100,042  
[13] C

[51] Int.Cl. 5B60R 19/02 5B21D 7/08  
5B21D 53/88  
[25] EN  
[54] END BUMPER FOR VEHICLES AND METHOD OF MAKING SAME  
[54] PARE-CHOC DE VEHICULE ET METHODE DE FABRICATION  
[72] STURRUS, PETER, US  
[73] SHAPE CORPORATION, US  
[22] 1993-07-07  
[30] US (08/012,230) 1993-02-02

---

[11] 2,104,172  
[13] C

[51] Int.Cl. 5B32B 5/18 5B32B 31/20  
5B32B 5/24  
[25] EN  
[54] METHOD OF PRODUCING A THERMOPLASTIC SANDWICH PLATE  
[54] METHODE DE PRODUCTION D'UNE PLAQUE SANDWICH THERMOPLASTIQUE  
[72] DE GROOT, MARTIN THEODOOR, NL  
[73] DE GROOT, MARTIN THEODOOR, NL  
[22] 1993-07-30

---

[11] 2,104,172  
[13] C

[51] Int.Cl. 5E04D 13/14  
[25] EN  
[54] FLEXIBLE HIGH COLLAR ROOF FLASHING  
[54] SOLIN DE TOITURE A COLLET SOUPLE  
[72] KOPP, RAUN A., US  
[72] RODRIGUEZ, ROBERTO, US  
[73] OATEY CO., US  
[22] 1993-08-16  
[30] US (07/939,716) 1992-09-02

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,104,506**  
[13] C

[51] Int.Cl. 5B01D 17/05 5C10L 1/20  
[25] EN  
[54] POLYFUNCTIONAL  
DEMULSIFIERS FOR CRUDE OILS  
[54] AGENTS DESEMULSIFIANTS  
POUR HUILES BRUTES  
[72] HILLE, MARTIN, DE  
[72] KUPFER, RAINER, DE  
[72] BOHM, ROLAND, DE  
[73] CLARIANT GMBH, DE  
[22] 1993-08-20  
[30] DE (P 42 27 911.9) 1992-08-22

---

[11] **2,104,635**  
[13] C

[51] Int.Cl. 5C07C 215/06 5C07C 211/03  
5A61K 31/615  
[25] FR  
[54] COMPOSITION POUR LE  
TRAITEMENT DE L'ACNE  
CONTENANT UN DERIVE D'ACIDE  
SALICYLIQUE ET DERIVES D'ACIDE  
SALICYLIQUE  
[54] COMPOSITION FOR THE  
TREATMENT OF ACNE CONTAINING  
A SALICYLIC ACID DERIVATIVE, AND  
SALICYLIC ACID DERIVATIVES  
[72] SEBAG, HENRI, FR  
[72] RIBIER, ALAIN, FR  
[72] SIMON, PASCAL, FR  
[72] SEBILLLOTTE, LAURENCE, FR  
[73] L'OREAL, FR  
[22] 1993-08-23  
[30] FR (92 10 227) 1992-08-24

---

[11] **2,104,829**  
[13] C

[51] Int.Cl. 5H04B 1/59  
[25] EN  
[54] SYNCHRONISED ELECTRONIC  
IDENTIFICATION SYSTEM  
[54] SYSTEME D'IDENTIFICATION  
ELECTRONIQUE A ELEMENTS  
SYNCHRONISES  
[72] MARSH, MICHAEL JOHN CAMILLE,  
ZA  
[72] VAN ZYL, CLINTON AIDEN, ZA  
[73] BTG INTERNATIONAL LIMITED,  
GB  
[22] 1993-08-25  
[30] ZA (92/6446) 1992-08-26

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[11] **2,105,317**  
[13] C

[51] Int.Cl. 5E04H 6/10  
[25] EN  
[54] PARKING LOT STRUCTURE  
[54] STRUCTURE POUR LE  
STATIONNEMENT DES VEHICULES  
[72] CHOW, JACK W., CA  
[72] CHOW, RODERICK J., CA  
[73] CHOW, JACK W., CA  
[73] CHOW, RODERICK J., CA  
[22] 1993-09-01

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[11] **2,105,503**  
[13] C

[51] Int.Cl. 5C07D 231/14 5C07D 335/02  
5A01N 43/04 5C07D 333/38 5C07D 277/56  
5A01N 43/56 5A01N 43/78  
[25] EN  
[54] CARBOXANILIDES, THEIR  
PREPARATION AND COMPOSITIONS  
CONTAINING THEM FOR  
CONTROLLING HARMFUL FUNGI  
[54] CARBOXANILIDES, LEUR  
PREPARATION ET COMPOSITIONS  
EN CONTENANT POUR LA LUTTE  
CONTRE LES CHAMPIGNONS NOCIFS  
[72] EICKEN, KARL, DE  
[72] KOENIG, HARTMANN, DE  
[72] AMMERMANN, EBERHARD, DE  
[72] LORENZ, GISELA, DE  
[73] BASF AKTIENGESELLSCHAFT, DE  
[22] 1993-09-03  
[30] DE (P 42 31 517.4) 1992-09-21

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[11] **2,105,841**  
[13] C

[51] Int.Cl. 5G06F 15/44 5G06F 15/66  
[25] EN  
[54] IMAGE AND SOUND PROCESSING  
APPARATUS  
[54] APPAREIL DE TRAITEMENT  
D'IMAGES ET DE SONS  
[72] TOMITA, MASAHIKE, JP  
[72] TAKAHASHI, MITSUHIRO, JP  
[73] HUDSON SOFT CO. LTD., JP  
[22] 1993-09-09  
[30] JP (4-284976) 1992-10-01  
[30] JP (4-284979) 1992-10-01  
[30] JP (4-284982) 1992-10-01  
[30] JP (4-290806) 1992-10-05

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[11] **2,105,851**  
[13] C

[51] Int.Cl. 5B29C 49/72  
[25] EN  
[54] DRESSING OF BLOW-MOLDED  
ARTICLES IN A STRAND  
[54] TAILLAGE EN CONTINU  
D'ARTICLES MOULES PAR  
SOUFFLAGE  
[72] FANG, JIN-LIOU, US  
[72] MALY, JAMES ELMER, US  
[73] KRAFT FOODS, INC., US  
[22] 1993-09-09  
[30] US (955,628) 1992-10-01

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[11] **2,106,657**  
[13] C

[51] Int.Cl. 5C10G 7/10 5C23F 11/14  
[25] EN  
[54] NEUTRALIZING AMINES WITH  
LOW SALT PRECIPITATION  
POTENTIAL  
[54] AMINES NEUTRALISANTES  
AYANT UN POTENTIEL DE  
PRECIPITATION A FAIBLE  
CONCENTRATION SALINE  
[72] LEHRER, SCOTT E., US  
[72] EDMONDSON, JAMES G., US  
[73] BETZDEARBORN INC., US  
[22] 1993-09-21  
[30] US (07/982,803) 1992-11-30

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[11] **2,107,072**  
[13] C

[51] Int.Cl. 5B65D 1/40 5B65D 1/02  
[25] EN  
[54] BEVERAGE BOTTLE  
[54] BOUTEILLE POUR BOISSON  
[72] POTTS, JO LEE BROOKS, US  
[72] MILLER, JOANN H., US  
[72] HODGE, MARVIN W., US  
[72] BETTLE, GRISCOM III, US  
[73] TROPICANA PRODUCTS, INC., US  
[22] 1993-09-27

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Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,107,587  
[13] C

[51] Int.Cl. 5A61K 31/60 5A61K 9/00  
5A61K 9/70  
[25] EN  
[54] SUPPRESSION OF  
THROMBOXANE LEVELS BY  
PERCUTANEOUS ADMINISTRATION  
OF ASPIRIN  
[54] SUPPRESSION DU  
THROMBOXANE PAR  
L'ADMINISTRATION PERCUTANEE  
D'ASPIRINE  
[72] KIEMOWITZ, RUDOLPH M., US  
[72] FITZGERALD, DESMOND J., IE  
[73] VANDERBILT UNIVERSITY, US  
[73] KEIMOWITZ, RUDOLPH, US  
[85] 1993-10-01  
[86] 1992-04-02 (PCT/US1992/002576)  
[87] (WO1992/020343)  
[30] US (680,195) 1991-04-03

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[11] 2,107,841  
[13] C

[51] Int.Cl. 5C03B 23/025 5C03B 29/08  
[25] EN  
[54] METHOD AND FURNACE FOR  
BENDING GLASS SHEETS  
[54] METHODE ET FOUR POUR LE  
CINTRAGE DES FEUILLES DE VERRE  
[72] YLI-VAKKURI, ERKKI, FI  
[72] KAONPAA, ARTO, FI  
[72] SALONEN, TAPIO, FI  
[72] NIKKANEN, JUKKA, FI  
[73] TAMGLASS LTD. OY, FI  
[22] 1993-10-06  
[30] FI (924666) 1992-10-15  
[30] FI (932861) 1993-06-21  
[30] FI (933318) 1993-07-23

---

[11] 2,110,600  
[13] C

[51] Int.Cl. 5A61L 2/08 5A61L 9/00 5C08J  
9/36  
[25] EN  
[54] PACKAGING AND METHODS FOR  
REDUCING ODORS AND STRENGTH  
LOSS CAUSED BY THE IRRADIATION  
OF POLYOLEFIN-BASED PRODUCTS  
[54] CONDITIONNEMENT ET  
METHODES SERVANT A REDUIRE  
LES ODEURS ET LA PERTE DE  
RESISTANCE CAUSEES PAR  
L'IRRADIATION DES PRODUITS A  
BASE DE POLYOLEFINE  
[72] AMBROSE, JULIA TEEMS, US  
[72] BOLIAN, CHARLES EDWARD, II, US  
[72] ELLIS, STEPHEN EATON, US  
[72] WORTHINGTON, JEFFERY  
HAROLD, US  
[73] KIMBERLY-CLARK WORLDWIDE,  
INC., US  
[22] 1993-12-02  
[30] US (994,792) 1992-12-21

---

[11] 2,110,880  
[13] C

[51] Int.Cl. 5G02F 1/035 5H03H 11/14  
5G02F 1/19 5H01P 1/20  
[25] EN  
[54] ELECTRICALLY  
CONTROLLABLE FILTER DEVICE  
[54] DISPOSITIF DE FILTRATION A  
COMMANDE ELECTRIQUE  
[72] NILSSON, BJORN OLLE, SE  
[72] RIGOLE, PIERRE JEAN, SE  
[73] TELEFONAKTIEBOLAGET LM  
ERICSSON, SE  
[22] 1993-12-07  
[30] SE (9203701-9) 1992-12-09

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[11] 2,111,662  
[13] C

[51] Int.Cl. 5C07D 233/90 5C07D 403/02  
5C07D 471/04 5C07D 235/08 5C07D 401/  
12 5C07D 405/12 5A61K 31/415 5C07D  
239/42 5A61K 31/435 5A61K 31/505  
5C07D 213/80  
[25] EN  
[54] BIPHENYL DERIVATIVES, THEIR  
PREPARATION AND THEIR USE FOR  
THE TREATMENT OF  
HYPERTENSION AND CARDIAC  
DISEASE  
[54] DERIVES DE BIPHENYLES, LEUR  
PREPARATION ET LEUR  
UTILISATION POUR LE TRAITEMENT  
DE L'HYPERTENSION ET DES  
MALADIES CARDIAQUES  
[72] YANAGISAWA, HIROAKI, JP  
[72] AMEMIYA, YOSHIYA, JP  
[72] KANAZAKI, TAKURO, JP  
[72] SHIMOJI, YASUO, JP  
[72] KOIKE, HIROYUKI, JP  
[72] SADA, TOSHIO, JP  
[73] SANKYO COMPANY, LIMITED, JP  
[22] 1993-12-16  
[30] JP (4-337675) 1992-12-17

---

[11] 2,112,029  
[13] C

[51] Int.Cl. 5H02H 3/16 5H02H 1/00  
5H02H 3/093  
[25] EN  
[54] ELECTRONIC TRIP DEVICE  
COMPRISING A TEST DEVICE  
[54] DISPOSITIF ELECTRONIQUE A  
DECLENCHEMENT MUNI D'UN  
TESTEUR  
[72] DEL VECCHIO, ALAIN, FR  
[72] FERRAZZI, MARC, FR  
[73] MERLIN GERIN, FR  
[22] 1993-12-21  
[30] FR (9215880) 1992-12-28

---

[11] 2,112,040  
[13] C

[51] Int.Cl. 5A01N 25/14  
[25] EN  
[54] WATER DISPERSIBLE  
GRANULAR HERBICIDAL  
COMPOSITIONS  
[54] HERBICIDES PULVERULENTS SE  
DISPERSANT DANS L'EAU  
[72] KIMLER, JOSEPH, US  
[72] KUBISCH, ROBERT, US  
[73] BASF AKTIENGESELLSCHAFT, DE  
[22] 1993-12-21  
[30] US (07/996,412) 1992-12-23  
[30] US (07/996,221) 1992-12-23

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**Canadian Patents Issued  
November 23, 2004**

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[11] **2,112,166**  
[13] C

[51] Int.Cl. 5G01B 11/00  
[25] EN  
[54] OPTICAL SENSOR CONTROL  
[54] COMMANDE DE CAPTEUR  
OPTIQUE  
[72] GOODWIN, R. WENDELL, US  
[73] SCHLUMBERGER ELECTRICITY,  
INC., US  
[22] 1993-12-22  
[30] US (08/004,402) 1993-01-14

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[11] **2,114,266**  
[13] C

[51] Int.Cl. 5A01N 43/90 5A23L 3/3544  
5A23L 3/3562  
[25] EN  
[54] A FUNGICIDE COMPOSITION TO  
PREVENT THE GROWTH OF MOULD  
ON FOODSTUFF AND  
AGRICULTURAL PRODUCTS  
[54] COMPOSITION FONGICIDE  
INHIBANT LA CROISSANCE DE LA  
MOISISSURE SUR LES ALIMENTS ET  
LES PRODUITS AGRICOLES  
[72] VAN RIJN, FERDINAND  
THEODORUS JOZEF, NL  
[72] TAN, HONG SHENG, NL  
[72] WARMERDAM, MARTINUS  
JOHANNES MARIA, NL  
[73] DSM IP ASSETS B.V., NL  
[22] 1994-01-26  
[30] EP (93200220.7) 1993-01-27

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[11] **2,114,826**  
[13] C

[51] Int.Cl. 5A42B 3/22  
[25] EN  
[54] A PROTECTIVE SPORTS  
HEADGEAR  
[54] CASQUE PROTECTEUR DE  
SPORT  
[72] PERNICKA, MARTIN, CA  
[72] ISABELLE, PAUL, CA  
[72] GAGNON, HUBERT, CA  
[73] I-TECH SPORTS PRODUCTS INC.,  
CA  
[22] 1994-02-01

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[11] **2,115,195**  
[13] C

[51] Int.Cl. 5C08J 5/18 5C08F 232/02  
5G02F 1/1335 5H01G 4/18 5B65D 65/40  
5H01B 3/44  
[25] EN  
[54] FLEXIBLE CYCLOOLEFIN  
COPOLYMER FILM  
[54] PELLICULE FLEXIBLE A BASE DE  
COPOLYMORE CYCLOOLEFINIQUE  
[72] BENNETT, CYNTHIA, DE  
[72] BREKNER, MICHAEL-JOACHIM, DE  
[72] HERRMANN-SCHOENHERR, OTTO,  
DE  
[72] OSAN, FRANK, DE  
[73] TICONA GMBH, DE  
[22] 1994-02-08  
[30] DE (P 43 04 309.7) 1993-02-12

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[11] **2,116,026**  
[13] C

[51] Int.Cl. 6C07K 14/18 5G01N 33/576  
[25] EN  
[54] HEPATITIS C ASSAY UTILIZING  
RECOMBINANT ANTIGENS TO C-100  
REGION  
[54] TEST DE DEPISTAGE DE  
L'HEPATITE C A L'AIDE  
D'ANTIGENES RECOMBINANTS DE  
LA REGION C-100  
[72] DESAI, SURESH M., US  
[72] CASEY, JAMES M., US  
[72] RUPPRECHT, KEVIN R., US  
[72] DEVARE, SUSHIL G., US  
[73] ABBOTT LABORATORIES, US  
[85] 1994-02-18  
[86] 1992-08-21 (PCT/US1992/007187)  
[87] (WO1993/004087)  
[30] US (748,566) 1991-08-21

---

[11] **2,116,480**  
[13] C

[51] Int.Cl. 5B65D 83/08  
[25] EN  
[54] UPRIGHT FACIAL TISSUE  
CARTON  
[54] BOITE VERTICALE DE PAPIERS-  
MOUCHOIRS  
[72] NORTH, AMIE MARIE, US  
[72] RUNGE, TROY MICHAEL, US  
[72] PAULSON, LINDA MARIE, US  
[73] KIMBERLY-CLARK WORLDWIDE,  
INC., US  
[22] 1994-02-25  
[30] US (125,043) 1993-09-20

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[11] **2,117,692**  
[13] C

[51] Int.Cl. 5G01N 27/40  
[25] EN  
[54] HEPARIN-SELECTIVE  
POLYMERIC MEMBRANE  
ELECTRODE  
[54] ELECTRODE SELECTIVE A  
MEMBRANE POLYMERIQUE, POUR  
L'HEPARINE  
[72] MA, SHU-CHING, US  
[72] MEYERHOFF, MARK E., US  
[72] YANG, VICTOR C., US  
[73] THE BOARD OF REGENTS ACTING  
FOR AND ON BEHALF OF THE  
UNIVERSITY OF MICHIGAN, US  
[85] 1994-09-09  
[86] 1993-03-10 (PCT/US1993/002149)  
[87] (WO1993/018396)  
[30] US (07/849,218) 1992-03-10

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[11] **2,118,379**  
[13] C

[51] Int.Cl. 5C07C 235/74 5C07C 231/04  
[25] EN  
[54] PREPARATION OF  
ACETOACETARYLAMIDES  
[54] PREPARATION  
D'ACETOACETARYLAMIDES  
[72] MACK, KARL ERNST, DE  
[72] BOHUSCH, MICHAEL, DE  
[73] CLARIANT GMBH, DE  
[22] 1994-10-18  
[30] DE (P 43 35 613.3) 1993-10-19

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[11] **2,119,510**  
[13] C

[51] Int.Cl. 5A23G 9/04  
[25] EN  
[54] A PROCESS, APPARATUS AND  
MOULDING UNIT FOR SMALL  
ARTICLES OF ICE CONFECTIONERY  
[54] PROCEDE, INSTALLATION ET  
APPAREIL DE MOULAGE DE PETITS  
ARTICLES GLACES EN CONFISERIE  
[72] CATHENAUT, PHILIP IGOR, FR  
[73] FRISCO-FINDUS AG, CH  
[22] 1994-03-21  
[30] EP (93105076.9) 1993-03-27

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Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,120,063  
[13] C

[51] Int.Cl. 5B21B 13/14  
[25] EN  
[54] METHOD AND APPARATUS FOR ROLLING ROLLED STRIPS  
[54] MACHINE ET PROCEDE DE LAMINAGE DE BANDES  
[72] SEIDEL, JURGEN, DE  
[73] SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT, DE  
[22] 1994-03-28  
[30] DE (P 43 09 986.6) 1993-03-29

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[11] 2,120,187  
[13] C

[51] Int.Cl. 5E21B 43/18  
[25] FR  
[54] DISPOSITIF ET METHODE DE POMPAGE COMPORANT DEUX ORIFICES D'ENTREES D'ASPIRATION - APPLICATION A UN DRAIN SUBHORIZONTAL  
[54] PUMPING DEVICE HAVING TWO SUCTION PORTS - APPLICATION TO A SUBHORIZONTAL DRAIN  
[72] WITTRISCH, CHRISTIAN, FR  
[73] INSTITUT FRANCAIS DU PETROLE, FR  
[22] 1994-03-29  
[30] FR (93/03.714) 1993-03-29

---

[11] 2,120,556  
[13] C

[51] Int.Cl. 5B65B 39/00  
[25] EN  
[54] FOOD ARTICLE FILLING HEAD  
[54] TETE DE REMPLISSAGE POUR ARTICLE ALIMENTAIRE  
[72] PHELPS, JAMES M., US  
[72] POSGE, JOSEPH F., US  
[73] PLANET PRODUCTS CORPORATION, US  
[22] 1994-04-05  
[30] US (08/045,035) 1993-04-08

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[11] 2,120,592  
[13] C

[51] Int.Cl. 5B62D 61/12  
[25] EN  
[54] PNEUMATIC SYSTEM FOR THE AUTOMATIC OPERATION OF SEMI-TRAILER LANDING GEAR  
[54] DISPOSITIF PNEUMATIQUE POUR LE FONCTIONNEMENT AUTOMATIQUE D'UN BRAS D'APPUI DE SEMI-REMORQUE  
[72] RIVERS, BERNARD A., JR., US  
[72] AMIDON, DARRELL D., US  
[72] RIVERS, BERNARD A., III, US  
[72] RIVERS, DONALD P., US  
[73] RIVERS, BERNARD A., JR., US  
[73] AMIDON, DARRELL D., US  
[73] RIVERS, BERNARD A., III, US  
[73] RIVERS, DONALD P., US  
[22] 1994-04-05

---

[11] 2,121,117  
[13] C

[51] Int.Cl. 5B65D 21/02  
[25] EN  
[54] COMBINATION BOTTLE AND STICK  
[54] BOUTEILLE ET BATON COMBINES  
[72] DICKIE, ROBERT G., CA  
[72] STANSBURY, BENJAMIN H., US  
[72] CHANDARIA, KAPOOR, UG  
[73] ELMER'S PRODUCTS CANADA CORPORATION, CA  
[22] 1994-04-12

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[11] 2,121,647  
[13] C

[51] Int.Cl. 5A23B 4/06  
[25] EN  
[54] METHOD AND APPARATUS FOR PRODUCING A FROZEN CRUST ON A FOOD LOAF  
[54] METHODE ET DISPOSITIF DE PRODUCTION D'UNE CROUTE GLACEE SUR UN ALIMENT  
[72] LUCKE, DONALD E., US  
[73] KRAFT FOODS, INC., US  
[22] 1994-04-19  
[30] US (062,097) 1993-05-14

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[11] 2,121,721  
[13] C

[51] Int.Cl. 5C08F 10/06 5D04H 3/16  
5D01F 6/46 5C08F 4/649  
[25] EN  
[54] CRYSTALLINE PROPYLENE POLYMERS HAVING HIGH MELT FLOW RATE VALUES AND A NARROW MOLECULAR WEIGHT DISTRIBUTION  
[54] POLYPROPYLENES CRISTALLINS A TAUX DE FLUAGE ELEVE ET A PLAGE DE POIDS MOLECULAIRE ETROITE  
[72] MORINI, GIAMPIERO, IT  
[72] PENNINI, GIANNI, IT  
[72] ALBIZZATI, ENRICO, IT  
[72] YOO, HEE J., US  
[73] MONTELL NORTH AMERICA INC., US  
[22] 1994-04-20  
[30] US (08/054,705) 1993-04-29

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[11] 2,123,930  
[13] C

[51] Int.Cl. 5H01J 49/42 5H01J 49/26  
5H01J 49/34  
[25] EN  
[54] METHOD OF HIGH MASS RESOLUTION SCANNING OF AN ION TRAP MASS SPECTROMETER  
[54] METHODE DE SPECTROMETRIE DE MASSE A RESOLUTION ELEVEE POUR SPECTROMETRE DE MASSE A PIEGE IONIQUE  
[72] WELLS, GREGORY J., US  
[72] MARQUETTE, EDWARD G., US  
[72] MARCH, RAYMOND E., CA  
[72] LONDRY, FRANK A., CA  
[73] VARIAN, INC., US  
[22] 1994-05-19  
[30] US (08/068,453) 1993-05-28

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,125,288**  
 [13] C

[51] Int.Cl. 5C07D 457/02 5A61K 31/48  
 5A61K 31/495 5A61K 31/535  
 [25] EN  
 [54] SEROTONINERGIC ERGOLINE  
 DERIVATIVES  
 [54] DERIVES D'ERGOLINE  
 SEROTONINERGIQUE  
 [72] MANTEGANI, SERGIO, IT  
 [72] BRAMBILLA, ENZO, IT  
 [72] CACCIA, CARLA, IT  
 [72] CARFAGNA, NICOLA, IT  
 [73] PHARMACIA & UPJOHN S.P.A., IT  
 [85] 1994-06-06  
 [86] 1993-11-26 (PCT/EP1993/003337)  
 [87] (WO1994/014806)  
 [30] GB (9226967.9) 1992-12-24  
 [30] GB (9305696.8) 1993-03-19

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[11] **2,125,454**  
 [13] C

[51] Int.Cl. 5B25C 1/16  
 [25] EN  
 [54] CARTRIDGE FOR EXPLOSIVELY  
 OPERATED INDUSTRIAL TOOLS  
 [54] CARTOUCHE POUR OUTILS  
 INDUSTRIELS A CHARGE EXPLOSIVE  
 [72] SZYNDLAR, JANUSZ, CA  
 [73] THE WHITAKER CORPORATION,  
 US  
 [22] 1994-06-08  
 [30] US (08/095,132) 1993-07-20

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[11] **2,125,933**  
 [13] C

[51] Int.Cl. 5B30B 1/18  
 [25] EN  
 [54] ROTARY DRIVING DEVICE FOR  
 PRESS MACHINE  
 [54] DISPOSITIF D'ENTRAINEMENT  
 ROTATIF POUR PRESSE  
 [72] SEKI, MASAYUKI, JP  
 [73] AMADA COMPANY, LIMITED, JP  
 [22] 1994-06-15  
 [30] JP (6-10849) 1994-02-02

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[11] **2,126,273**  
 [13] C

[51] Int.Cl. 5H01R 11/14  
 [25] EN  
 [54] ELECTRICAL CONNECTOR  
 [54] CONNECTEUR ELECTRIQUE  
 [72] MENECHELLA, GINO, CA  
 [73] THE WHITAKER CORPORATION,  
 US  
 [22] 1994-06-20  
 [30] US (08/099,279) 1993-07-29

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[11] **2,126,362**  
 [13] C

[51] Int.Cl. 5E04D 1/34 5E04D 5/14 5E04D  
 3/36  
 [25] EN  
 [54] ROOF AND WALL PANEL  
 MOUNTING ASSEMBLY  
 [54] ENSEMBLE DE MONTAGE DE  
 PANNEAU MURAL ET DE TOITURE  
 [72] GIBBS, ALDEN T., US  
 [73] GIBBS, ALDEN T., US  
 [22] 1994-06-21

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[11] **2,127,881**  
 [13] C

[51] Int.Cl. 5C08G 59/56 5C08L 63/00  
 5C08J 5/24  
 [25] FR  
 [54] COMPOSITION DE RESINE  
 EPOXY ET APPLICATIONS, EN  
 PARTICULIER DANS LES  
 STRUCTURES COMPOSITES  
 [54] EPOXY RESIN COMPOSITION  
 AND APPLICATIONS, PARTICULARLY  
 IN COMPOSITE STRUCTURES  
 [72] BLANC, ISABELLE, FR  
 [72] EYRIEY, FRANCOISE, FR  
 [72] GAMBERT, XAVIER, FR  
 [73] VANTICO AG, CH  
 [85] 1994-07-12  
 [86] 1993-01-13 (PCT/FR1993/000032)  
 [87] (WO1993/014136)  
 [30] FR (92/00368) 1992-01-15

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[11] **2,127,906**  
 [13] C

[51] Int.Cl. 5A61L 2/06 5A61C 19/00  
 5B08B 3/02  
 [25] EN  
 [54] METHOD AND APPARATUS FOR  
 THE HYGIENIC PREPARATION OF  
 MEDICAL INSTRUMENTS  
 [54] METHODE ET DISPOSITIF DE  
 PREPARATION HYGIENIQUE  
 D'INSTRUMENTS MEDICAUX  
 [72] SUTTER, RALF, DE  
 [72] BEERSTECHER, LUTZ, DE  
 [72] HRUZA, DAVID, DE  
 [72] STETTER-ALLE, RAIMUND, DE  
 [72] TRACKL, KARL, DE  
 [73] SIRONA DENTAL SYSTEMS GMBH,  
 DE  
 [22] 1994-07-13  
 [30] DE (P 43 23 815.7) 1993-07-15  
 [30] EP (94 106 517.9) 1994-04-26

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[11] **2,129,386**  
 [13] C

[51] Int.Cl. 5A23L 1/00 5A23N 12/08  
 [25] EN  
 [54] CEREAL COOKER CONTROL  
 METHOD AND APPARATUS  
 [54] METHODE ET DISPOSITIF DE  
 REGULATION POUR CUISEUR A  
 CEREALES  
 [72] MCCULLOUGH, NANCY JANE, US  
 [72] WILLBUR, JAMES ERAL, US  
 [72] KEAGLE, RONALD HARRY, US  
 [72] HARRIS, LEON ROY, US  
 [73] KRAFT GENERAL FOODS, INC., US  
 [22] 1994-08-03  
 [30] US (120,042) 1993-09-10

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[11] **2,129,456**  
 [13] C

[51] Int.Cl. 5C23C 22/28 5B05D 5/12  
 5H01B 3/30  
 [25] EN  
 [54] ELECTROMAGNETIC STEEL  
 SHEET HAVING AN ELECTRICALLY  
 INSULATING COATING WITH  
 SUPERIOR WELDABILITY  
 [54] FEUILLE D'ACIER  
 ELECTROMAGNETIQUE AVEC  
 REVETEMENT D'ISOLATION  
 ELECTRIQUE A SOUDABILITE  
 SUPERIEURE  
 [72] KOBAYASHI, HIDEO, JP  
 [72] KOSUGE, NORIO, JP  
 [72] KOMORI, YUKA, JP  
 [72] YOKOYAMA, YASUO, JP  
 [72] MOHRI, TAIZO, JP  
 [73] JFE STEEL CORPORATION, JP  
 [22] 1994-08-04

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[11] **2,129,488**  
 [13] C

[51] Int.Cl. 5C03C 17/23  
 [25] FR  
 [54] SUBSTRATS TRANSPARENTS  
 MUNIS D'UN EMPILEMENT DE  
 COUCHES MINCES, APPLICATION  
 AUX VITRAGES D'ISOLATION  
 THERMIQUE ET/OU DE PROTECTION  
 SOLAIRE  
 [54] TRANSPARENT SUBSTRATES  
 WITH MULTILAYER COATINGS, AND  
 THEIR APPLICATION TO THERMAL  
 INSULATION AND SUNSHADING  
 [72] GUISELIN, OLIVIER, FR  
 [72] BROCHOT, JEAN-PIERRE, FR  
 [72] PETIT, PASCAL, FR  
 [73] SAINT-GOBAIN VITRAGE, FR  
 [22] 1994-08-04  
 [30] FR (93 09917) 1993-08-12  
 [30] FR (94 02723) 1994-03-09

Brevets canadiens délivrés  
23 novembre 2004

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[11] **2,130,316**  
[13] C

[51] Int.Cl. 5A23P 1/08 5A21C 9/08  
[25] EN  
[54] LAYERING MACHINE  
[54] MACHINE POUR LA FORMATION  
DE PRODUITS ALIMENTAIRES  
STRATIFIES  
[72] ASKMAN, LARS, SE  
[72] GANROT, ANDERS B., SE  
[72] LEONHARDT, WERNER, SE  
[73] FRISCO-FINDUS AG, CH  
[22] 1994-08-17  
[30] EP (93114125.3) 1993-09-03

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[11] **2,131,709**  
[13] C

[51] Int.Cl. 6C07K 14/435 6A61K 38/17  
5A61K 39/39  
[25] EN  
[54] IMMUNE-ENHANCING AGENT  
FOR THERAPEUTIC USE IN  
IMMUNOCOMPROMISED HOSTS  
[54] AGENT ACTIVATEUR DE  
L'IMMUNITÉ POUR USAGE  
THERAPEUTIQUE AUPRÈS DES  
HÔTES IMMUNODEPRIMÉS  
[72] BEARDSLEY, TERRY R., US  
[73] BEARDSLEY, TERRY R., US  
[85] 1994-09-08  
[86] 1993-03-09 (PCT/US1993/002056)  
[87] (WO1993/017700)  
[30] US (07/850,586) 1992-03-13

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[11] **2,132,183**  
[13] C

[51] Int.Cl. 5F16K 31/06  
[25] EN  
[54] ELECTROMAGNETICALLY  
OPERATED PNEUMATIC VALVE  
ASSEMBLY FOR AN ELECTRICAL  
CONTACTOR ACTUATOR  
[54] ROBINET PNEUMATIQUE  
ELECTROMAGNETIQUE DESTINÉ À  
UN ACTIONNEUR DE CONTACTEUR  
ÉLECTRIQUE  
[72] AHMADIAN, MEHDI, US  
[72] DRABANT, STEPHEN MICHAEL, US  
[72] POWELL, JEFFREY MARTIN, US  
[73] GENERAL ELECTRIC COMPANY,  
US  
[22] 1994-09-15  
[30] US (08/127,395) 1993-09-27

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[11] **2,132,240**  
[13] C

[51] Int.Cl. 5B02C 17/18 5B02C 17/22  
[25] EN  
[54] LIFTING ELEMENT FOR ROTARY  
MILL AND MILL EQUIPPED WITH  
SUCH ELEMENTS  
[54] ELEMENT DE LEVAGE DESTINÉ  
À UN BROYEUR ROTATIF, ET  
BROYEUR EQUIPÉ DE TELS  
ELEMENTS  
[72] BRISBOIS, JEAN-MARIE, BE  
[72] RYCERSKI, SERGE, BE  
[73] MAGOTTEAUX INTERNATIONAL,  
BE  
[22] 1994-09-16  
[30] LU (88 409) 1993-09-17

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[11] **2,132,606**  
[13] C

[51] Int.Cl. 5E21B 17/00  
[25] EN  
[54] DEVICE FOR A CURVED  
CONDUCTOR PIPE FOR A PULL WIRE  
[54] DISPOSITIF DESTINÉ À UN TUBE  
GUIDE DE CABLE DE TRACTION  
[72] HYSTAD, PER H., NO  
[73] KARMOY WINCH A/S, NO  
[22] 1994-09-21  
[30] NO (933605) 1993-10-08

---

[11] **2,134,239**  
[13] C

[51] Int.Cl. 6C07K 14/765 5A61K 43/00  
5A61K 49/00 5C07H 7/02 5C07D 495/04  
5A61K 47/48 5C07F 9/547  
[25] EN  
[54] PRETARGETING METHODS AND  
COMPOUNDS  
[54] PROCÉDÉS ET COMPOSÉS DE  
PRÉCIBLAGE  
[72] AXWORTHY, DONALD B., US  
[72] THEODORE, LOUIS J., US  
[72] GUSTAVSON, LINDA M., US  
[72] RENO, JOHN M., US  
[73] ALETHEON PHARMACEUTICALS,  
INC., US  
[85] 1994-10-24  
[86] 1993-06-07 (PCT/US1993/005406)  
[87] (WO1993/025240)  
[30] US (07/895,588) 1992-06-09  
[30] US (07/995,381) 1992-12-23  
[30] US (07/995,383) 1992-12-23

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[11] **2,134,884**  
[13] C

[51] Int.Cl. 5H04R 1/02 5H04R 25/00  
[25] EN  
[54] UNIDIRECTIONAL EAR  
MICROPHONE AND METHOD  
[54] MICROPHONE D'OREILLE  
DIRECTIF  
[72] NORRIS, ELWOOD G., US  
[73] JABRA CORPORATION, US  
[85] 1994-11-01  
[86] 1992-09-23 (PCT/US1992/008074)  
[87] (WO1993/023942)  
[30] US (881,141) 1992-05-11

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[11] **2,135,768**  
[13] C

[51] Int.Cl. 5C07D 487/14 5C07D 491/22  
5A61K 31/40 5A61K 31/445 5A61K 31/535  
[25] EN  
[54] INDOLOCARBAZOLE IMIDES  
AND THE USE THEREOF  
[54] INDOLOCARBAZOLEIMIDES ET  
MODE D'UTILISATION  
[72] KLEINSCHROTH, JURGEN, DE  
[72] SCHACHTLE, CHRISTOPH, DE  
[72] HARTENSTEIN, JOHANNES, DE  
[72] RUDOLPH, CLAUS, DE  
[72] BARTH, HUBERT, DE  
[72] ARANDA, JULIAN, DE  
[72] BETCHE, HANS J., DE  
[73] KTB  
TUMORFORSCHUNGSGESELLSCHAFT  
MBH, DE  
[85] 1994-11-14  
[86] 1993-05-28 (PCT/EP1993/001347)  
[87] (WO1993/024491)  
[30] DE (P 42 17 964.5) 1992-05-30

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[11] **2,136,966**  
[13] C

[51] Int.Cl. 5A61B 10/00  
[25] EN  
[54] APPARATUS AND METHOD TO  
OBTAIN ARTERIAL BIOPSIES  
[54] APPAREIL ET MÉTHODE POUR  
PRATIQUER DES BIOPSIES  
ARTERIELLES  
[72] MANN, DAVID, US  
[73] MANN, DAVID, US  
[85] 1994-11-29  
[86] 1993-06-15 (PCT/US1993/005717)  
[87] (WO1994/000053)  
[30] US (07/901,830) 1992-06-22

**Canadian Patents Issued**  
**November 23, 2004**

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**[11] 2,137,059**  
 [13] C

[51] Int.Cl. 5G09G 3/02 5G02B 26/00  
**5G02B 26/04**  
 [25] EN  
 [54] DMD ARCHITECTURE TO  
 IMPROVE HORIZONTAL  
 RESOLUTION  
 [54] ARCHITECTURE SERVANT A  
 ACCROITRE LA DEFINITION  
 HORIZONTALE DANS LES  
 TERMINAUX DE TRANSMISSION DE  
 MESSAGES  
 [72] GOVE, ROBERT J., US  
 [72] SAMPSELL, JEFFREY B., US  
 [73] TEXAS INSTRUMENTS  
 INCORPORATED, US  
 [22] 1994-11-30  
 [30] US (161,832) 1993-12-03

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**[11] 2,137,812**  
 [13] C

[51] Int.Cl. 5C22B 1/02 5C22B 3/04 5C22B  
**34/12**  
 [25] EN  
 [54] UPGRADING TITANIFEROUS  
 MATERIALS  
 [54] ENRICHISSEMENT DE  
 MATERIAUX TITANIFERES  
 [72] HOLLITT, MICHAEL JOHN, AU  
 [72] MCCLELLAND, ROSS ALEXANDER,  
 AU  
 [72] TUFFLEY, JOHN ROGER, AU  
 [73] TECHNOLOGICAL RESOURCES  
 PTY. LIMITED, AU  
 [85] 1994-12-09  
 [86] 1993-08-12 (PCT/AU1993/000414)  
 [87] (WO1994/004709)  
 [30] AU (PL 4105) 1992-08-14  
 [30] AU (PL 7193) 1993-02-10

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**[11] 2,138,210**  
 [13] C

[51] Int.Cl. 5F28B 11/00 5F28B 9/08  
 [25] EN  
 [54] A CONDENSER COOLING AND  
 TEMPERATURE CONTROL SYSTEM  
 [54] CONDENSEUR AVEC REGLAGE  
 DE LA TEMPERATURE DE  
 FONCTIONNEMENT  
 [72] LIEBERAM, KAI, US  
 [73] LIEBERAM, KAI, US  
 [22] 1994-12-15

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**[11] 2,138,229**  
 [13] C

[51] Int.Cl. 5C09D 175/04  
 [25] EN  
 [54] COATING COMPOSITIONS  
 CONTAINING ALDIMINES AND  
 POLYISOCYANATES  
 [54] COMPOSITIONS DE  
 REVETEMENT CONTENANT DES  
 ALDIMINES ET DES  
 POLYISOCYANATES  
 [72] VENHAM, LANNY D., US  
 [72] HICKS, SHARON D., US  
 [72] WICKS, DOUGLAS A., US  
 [73] BAYER CORPORATION, US  
 [22] 1994-12-15  
 [30] US (08/171,550) 1993-12-21

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**[11] 2,138,230**  
 [13] C

[51] Int.Cl. 5C09D 175/04  
 [25] EN  
 [54] COATING COMPOSITIONS BASED  
 ON ALDIMINES AND  
 POLYISOCYANATES CONTAINING  
 ALLOPHANATE GROUPS  
 [54] COMPOSITIONS DE  
 REVETEMENT A BASE D'ALDIMINES  
 ET DE POLYISOCYANATES,  
 CONTENANT DES GROUPES  
 ALLOPHANATE  
 [72] HICKS, SHARON D., US  
 [72] WICKS, DOUGLAS A., US  
 [72] HUNTER, JOHN H., US  
 [73] BAYER CORPORATION, US  
 [22] 1994-12-15  
 [30] US (08/171,281) 1993-12-21

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**[11] 2,138,540**  
 [13] C

[51] Int.Cl. 5B65D 71/42  
 [25] EN  
 [54] WRAP-AROUND CARRIER WITH  
 END PANELS  
 [54] SUPPORT ENVELOPPANT MUNI  
 DE PANNEAUX D'EXTREMITES  
 [72] SUTHERLAND, ROBERT L., US  
 [73] RIVERWOOD INTERNATIONAL  
 CORPORATION, US  
 [85] 1994-12-20  
 [86] 1994-05-09 (PCT/US1994/005162)  
 [87] (WO1994/026619)  
 [30] US (061,880) 1993-05-17

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**[11] 2,139,238**  
 [13] C

[51] Int.Cl. 5H04L 27/30 5H04K 1/00  
**5H04B 7/26**  
 [25] EN  
 [54] QUANTIZED COHERENT RAKE  
 RECEIVER  
 [54] RECEPTEUR COHERENT  
 QUANTIFIÉ  
 [72] DENT, PAUL W., SE  
 [73] ERICSSON INC., US  
 [85] 1994-12-28  
 [86] 1994-04-29 (PCT/US1994/004820)  
 [87] (WO1994/026051)  
 [30] US (08/054,028) 1993-04-29

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**[11] 2,139,499**  
 [13] C

[51] Int.Cl. 6A61F 13/02 6A61F 13/15  
**6A61L 15/30 6A61F 13/56**  
 [25] EN  
 [54] ABSORBENT, SELF-ADHERING  
 ELASTIC BANDAGE  
 [54] BANDAGE ELASTIQUE  
 ABSORBANT AUTO-ADHESIF  
 [72] DELMORE, MICHAEL D., US  
 [72] BURTON, SCOTT A., US  
 [72] BAUMANN, NICHOLAS R., US  
 [73] MINNESOTA MINING AND  
 MANUFACTURING COMPANY, US  
 [85] 1995-01-03  
 [86] 1993-06-30 (PCT/US1993/006255)  
 [87] (WO1994/002090)  
 [30] US (07/918411) 1992-07-22

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**[11] 2,140,533**  
 [13] C

[51] Int.Cl. 6H04L 12/56 6H04L 25/14  
 [25] EN  
 [54] METHOD FOR FORWARDING A  
 MESSAGE CELL STREAM VIA A  
 PLURALITY OF PARALLEL TRUNKS  
 WHILE ADHERING TO THE  
 SEQUENCE OF THE MESSAGE CELLS  
 [54] METHODE POUR TRANSMETTRE  
 UN TRAIN DE CELLULES  
 MESSAGERES VIA UNE PLURALITE  
 DE TRONCS PARALLELES TOUT EN  
 CONSERVANT LA SEQUENCE DE  
 CELLULES MESSAGERES  
 [72] BRUCKNER, ROLAND, DE  
 [73] SIEMENS AKTIENGESELLSCHAFT,  
 DE  
 [85] 1995-01-18  
 [86] 1993-07-07 (PCT/EP1993/001768)  
 [87] (WO1994/003005)  
 [30] EP (92112345.1) 1992-07-20

Brevets canadiens délivrés  
23 novembre 2004

[11] 2,140,978  
[13] C

[51] Int.Cl. 6B32B 27/32  
[25] EN  
[54] THERMOPLASTIC MULTILAYER ETHYLENE POLYMER SHEET FOR CONTAINMENT OF ODORIFEROUS PRODUCT COMPONENTS  
[54] FEUILLE EN POLYMERÉ ETHYLENIQUE THERMOPLASTIQUE, A COUCHES MULTIPLES, UTILE POUR LE CONFINEMENT DES CONSTITUANTS ODORIFERANTS D'UN PRODUIT  
[72] PEZZOLI, PAUL, US  
[72] BOLLINGER, RANDAL, US  
[73] COLGATE-PALMOLIVE COMPANY, US  
[22] 1995-01-24  
[30] US (8/186,243) 1994-01-25

[11] 2,141,251  
[13] C

[51] Int.Cl. 6B60C 11/12  
[25] EN  
[54] PNEUMATIC TIRE  
[54] PNEU  
[72] ASANO, KAZUO, JP  
[73] SUMITOMO RUBBER INDUSTRIES, LTD., JP  
[22] 1995-01-27  
[30] JP (6-31786) 1994-02-02

[11] 2,142,339  
[13] C

[51] Int.Cl. 6B65G 1/02 6B09B 5/00 6B65F 1/00  
[25] EN  
[54] AN APPARATUS FOR STORING AND DISPENSING ARTICLES  
[54] DISPOSITIF POUR LE STOCKAGE ET LA DISTRIBUTION D'ARTICLES  
[72] JENKINS, ALAN ERNEST, AU  
[72] GRONDMANN, SIEGMUND, AU  
[72] SMITH, GOWER, AU  
[73] IMAGING TECHNOLOGIES PTY LIMITED, AU  
[85] 1995-02-13  
[86] 1993-08-13 (PCT/AU1993/000416)  
[87] (WO1994/004446)  
[30] AU (PL 4129) 1992-08-14  
[30] AU (PL 5839) 1992-11-13

[11] 2,142,763  
[13] C

[51] Int.Cl. 6A47B 13/06  
[25] EN  
[54] DISMOUNTABLE STANDING TABLE  
[54] TABLE DEMONTABLE  
[72] SEVERIN, WERNER, DE  
[73] SEVERIN, WERNER, DE  
[22] 1995-02-17  
[30] DE (P 44 05 617.6) 1994-02-22

[11] 2,143,107  
[13] C

[51] Int.Cl. 6C07D 473/00 6A61K 31/52  
6C07F 9/6561 6A61K 31/675  
[25] EN  
[54] ENANTIOMERICALLY PURE .BETA.-D-DIOXOLANE-NUCLEOSIDES  
[54] .BETA.-D-DIOXOLANE-NUCLEOSIDES, ENANTIOMERES PURS  
[72] CHU, CHUNG K., US  
[72] SCHINAZI, RAYMOND F., US  
[73] UNIVERSITY OF GEORGIA RESEARCH FOUNDATION INC., US  
[73] EMORY UNIVERSITY, US  
[85] 1995-02-22  
[86] 1993-08-25 (PCT/US1993/008044)  
[87] (WO1994/004154)  
[30] US (07/935,515) 1992-08-25

[11] 2,143,754  
[13] C

[51] Int.Cl. 6C08K 5/00 6C08L 101/00  
6C08K 5/098 6C08K 5/13 6C08K 5/3492  
6C08K 5/524 6C08K 5/5393  
[25] EN  
[54] PROCESS FOR THE STABILIZATION OF AND STABILIZER MIXTURES FOR RECYCLED PLASTICS  
[54] METHODE ET MELANGES POUR LA STABILISATION DE MATIERES PLASTIQUES RECYCLEES  
[72] HOFFMANN, KURT, DE  
[72] HERBST, HEINZ, DE  
[72] PFAENDNER, RUDOLF, DE  
[72] SANDER, HANS JURGEN, DE  
[72] SITEK, FRANCISZEK, CH  
[73] CIBA SPECIALTY CHEMICALS HOLDING INC., CH  
[85] 1995-03-02  
[86] 1993-09-14 (PCT/EP1993/002486)  
[87] (WO1994/007946)  
[30] CH (3012/92-0) 1992-09-25

[11] 2,144,482  
[13] C

[51] Int.Cl. 6G02B 26/10  
[25] EN  
[54] APPARATUS FOR DITHERING  
[54] APPAREIL DE JUXTAPOSITION  
[72] FORTIN, JEAN, CA  
[72] CHEVRETTE, PAUL, CA  
[73] HER MAJESTY IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE, CA  
[22] 1995-03-13

[11] 2,146,148  
[13] C

[51] Int.Cl. 6A23G 1/00 6A23G 9/18  
6A23G 1/22  
[25] EN  
[54] PRODUCTION OF CONFECTIONERY  
[54] PRODUCTION DE CONFISERIE  
[72] CEBULA, DERYCK JOZEF, GB  
[72] RAYET, JASPAL, GB  
[73] UNILEVER PLC, GB  
[85] 1995-03-31  
[86] 1993-09-28 (PCT/EP1993/002626)  
[87] (WO1994/007375)  
[30] EP (92308964.3) 1992-10-01

[11] 2,146,454  
[13] C

[51] Int.Cl. 6B05C 11/08  
[25] EN  
[54] SPIN DEPOSITION OF A NONCONFORMAL COATING SURFACE TO MACHINED OPTICAL ASPHERE SURFACES  
[54] DEPOT PAR ROTATION D'UNE SURFACE DE REVETEMENT NON CONFORME SUR DES SURFACES DE PIECES OPTIQUES ASPHERIQUES USINEES  
[72] LIPPERT, THOMAS M., US  
[73] HONEYWELL INC., US  
[85] 1995-04-05  
[86] 1993-12-13 (PCT/US1993/012131)  
[87] (WO1994/014544)  
[30] US (07/996,283) 1992-12-23

**Canadian Patents Issued  
November 23, 2004**

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[11] **2,149,154**  
[13] C

[51] Int.Cl. 6F42C 21/00 6E21B 43/11  
[25] EN  
[54] EXPENDABLE EBW FIRING  
MODULE FOR DETONATING  
PERFORATING GUN CHARGES  
[54] MODULE D'AMORCAGE A FIL  
EXPLOSANT NON-RECUPERABLE  
POUR LA DETONATION DES  
CHARGES DE PERFORATEUR  
[72] ELLIS, JAMES, US  
[72] REID, NICHOLAS B., US  
[73] WESTERN ATLAS  
INTERNATIONAL, INC., US  
[22] 1994-09-13  
[30] US (08/121,177) 1993-09-13

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[11] **2,149,363**  
[13] C

[51] Int.Cl. 6H01Q 21/00  
[25] EN  
[54] SHAPED-BEAM OR SCANNED  
BEAMS REFLECTOR OR LENS  
ANTENNA  
[54] ANTENNE A REFLECTEUR OU A  
LENTILLE A FAISCEAU CONFORME  
[72] FORTI, RAIMONDO LO, IT  
[72] LISI, MARCO, IT  
[73] SPACE ENGINEERING S.P.A., IT  
[73] ALENIA SPAZIO S.P.A., IT  
[22] 1995-05-15  
[30] IT (RM94A000306) 1994-05-17

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[11] **2,150,362**  
[13] C

[51] Int.Cl. 6B05B 15/04  
[25] EN  
[54] MASKING MEMBER  
[54] ELEMENT DE MASQUAGE  
[72] HORIKI, SEINOSUKE, JP  
[72] MAKINO, REIJI, JP  
[72] KIOKA, NORIHIKO, JP  
[73] NAGOYA OILCHEMICAL CO., LTD.,  
JP  
[85] 1995-05-26  
[86] 1993-09-29 (PCT/JP1993/001398)  
[87] (WO1995/009055)

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[11] **2,150,915**  
[13] C

[51] Int.Cl. 6G01N 33/545 6G01N 27/333  
6G01N 27/40  
[25] EN  
[54] ANALYTE DETECTION BY  
COMPETITIVE INHIBITION OF ION  
CHANNEL GATING  
[54] DETECTION D'UN PRODUIT A  
ANALYSER PAR INHIBITION  
COMPETITIVE DE L'OUVERTURE DU  
CANAL IONIQUE  
[72] KING, LIONEL GEORGE, AU  
[73] AMBRI LIMITED, AU  
[85] 1995-06-01  
[86] 1993-12-02 (PCT/AU1993/000620)  
[87] (WO1994/012875)  
[30] AU (PL 6171) 1992-12-03

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[11] **2,151,481**  
[13] C

[51] Int.Cl. 6A61F 2/44 6A61F 2/46  
[25] EN  
[54] IMPLANT FOR THE  
INTERVERTEBRAL SPACE  
[54] IMPLANT POUR ESPACE  
INTERVERTEBRAL  
[72] BECKERS, LOUIS FRANCOIS  
CHARLES, BE  
[72] SCHLAPFER, JOHANNES FRIDOLIN,  
CH  
[73] SYNTHES (U.S.A.), US  
[85] 1995-06-09  
[86] 1994-09-20 (PCT/CH1994/000184)  
[87] (WO1995/008306)  
[30] BE (9300982) 1993-09-21

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[11] **2,154,580**  
[13] C

[51] Int.Cl. 6C03B 25/00  
[25] EN  
[54] APPARATUS AND METHOD FOR  
CONTROLLING STRESSES IN  
LAMINATED AUTOMOTIVE GLASS  
[54] MOYEN PERMETTANT DE  
LIMITER LES CONTRAINTES AU  
MOMENT DE LA FABRICATION DE  
GLACES D'AUTOMOBILES EN VERRE  
FEUILLETE  
[72] SHETTERLY, DONIVAN M., US  
[72] SCHNABEL, JAMES P., JR., US  
[73] GLASSTECH, INC., US  
[85] 1995-07-24  
[86] 1994-02-04 (PCT/US1994/001277)  
[87] (WO1994/017997)  
[30] US (016,162) 1993-02-09

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[11] **2,154,659**  
[13] C

[51] Int.Cl. 6E05C 3/04 6E05B 3/06 6E05B  
65/20  
[25] EN  
[54] IMPROVED SASH LOCK  
[54] VERRUILAGE AMELIORE  
POUR CHASSIS DE FENETRE  
[72] OLSEN, CARL J., US  
[72] ZEMKE, WILLIAM L., US  
[73] ANDERSEN CORPORATION, US  
[85] 1995-07-25  
[86] 1994-02-01 (PCT/US1994/001116)  
[87] (WO1994/018425)  
[30] US (08/013,572) 1993-02-04

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[11] **2,155,025**  
[13] C

[51] Int.Cl. 6B60B 5/02 6B29D 24/00  
[25] EN  
[54] INJECTION MOLDED PLASTIC  
BICYCLE WHEEL  
[54] ROUE DE BICYCLETTE EN  
MATIERE PLASTIQUE MOULEE PAR  
INJECTION  
[72] OLSON, PAUL D., US  
[72] JONES, KIRK G., US  
[73] OLSON, PAUL D., US  
[73] JONES, KIRK G., US  
[85] 1995-07-28  
[86] 1993-01-29 (PCT/US1993/000904)  
[87] (WO1994/016911)

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Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,155,034  
[13] C

[51] Int.Cl. 6B01D 37/04 6C02F 11/04  
6C02F 1/52  
[25] EN  
[54] PROCESS AND APPARATUS FOR  
CONTROLLING THE DEWATERING  
OF SUSPENSIONS  
[54] METHODE ET APPAREIL POUR  
REGULER LA DESSICATION DE  
SUSPENSIONS  
[72] CAMERON, TIMOTHY IAN, AU  
[72] FIELD, JOHN RODNEY, GB  
[72] GLACHAN, MARK STEPHEN, AU  
[72] TOVEY, PETER JAMES, GB  
[73] CIBA SPECIALTY CHEMICALS  
WATER TREATMENTS LIMITED, GB  
[85] 1995-07-28  
[86] 1994-01-24 (PCT/GB1994/000130)  
[87] (WO1994/017895)  
[30] GB (9302151.7) 1993-02-04

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[11] 2,155,509  
[13] C

[51] Int.Cl. 6C08J 5/22 6C02F 1/469  
[25] EN  
[54] SINGLE-FILM MEMBRANE,  
PROCESS FOR OBTAINING IT AND  
USE THEREOF  
[54] MEMBRANE MONOCOUCHE,  
PROCEDE DE FABRICATION ET  
APPLICATIONS  
[72] EL MOUSSAOUI, RACHID, BE  
[72] HURWITZ, HENRI, BE  
[73] UNIVERSITE LIBRE DE  
BRUXELLES, BE  
[85] 1995-08-04  
[86] 1994-02-21 (PCT/BE1994/000014)  
[87] (WO1994/019399)  
[30] BE (93/00.174) 1993-02-24

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[11] 2,155,543  
[13] C

[51] Int.Cl. 6C08L 9/00  
[25] EN  
[54] THERMOPLASTIC OLEFINIC  
COMPOSITIONS  
[54] COMPOSITIONS OLEFINIQUES  
THERMOPLASTIQUES  
[72] SRINIVASAN, SATCHIT, US  
[73] SOLVAY ENGINEERED POLYMERS,  
US  
[85] 1995-08-04  
[86] 1994-02-09 (PCT/US1994/001565)  
[87] (WO1994/018001)  
[30] US (016,586) 1993-02-10

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[11] 2,156,462  
[13] C

[51] Int.Cl. 6B65D 41/26 6B65D 51/24  
[25] EN  
[54] LIQUID CONTAINING AND  
DISPENSING PACKAGE  
[54] CONDITIONNEMENT SOUS  
RECIPIENT DISTRIBUTEUR DE  
LIQUIDE  
[72] HAFFNER, EUGENE F., US  
[72] RIOS, LUZ, US  
[73] OWENS-ILLINOIS CLOSURE INC.,  
US  
[22] 1995-08-18  
[30] US (08/295,964) 1994-08-25

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[11] 2,157,593  
[13] C

[51] Int.Cl. 6B01D 53/04  
[25] EN  
[54] SEPARATION OF SOLUTES IN  
GASEOUS SOLVENTS  
[54] SEPARATION DES PRODUITS EN  
SOLUTION DANS DES SOLVANTS  
GAZEUX  
[72] WHITLOCK, DAVID R., US  
[73] WHITLOCK, DAVID R., US  
[85] 1995-09-05  
[86] 1994-03-04 (PCT/US1994/002313)  
[87] (WO1994/020197)  
[30] US (08/027,890) 1993-03-08

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[11] 2,157,643  
[13] C

[51] Int.Cl. 6B21D 53/78  
[25] FR  
[54] PROCEDE DE FABRICATION  
D'UNE AUBE CREUSE DE  
TURBOMACHINE  
[54] PROCESS FOR MANUFACTURING  
A HOLLOW VANE FOR A GAS  
TURBINE ENGINE  
[72] BICHON, MATTHIEU, FR  
[72] DOUGUET, CHARLES JEAN PIERRE,  
FR  
[72] LORIEUX, ALAIN GEORGES HENRI,  
FR  
[72] LOUESDON, YVON MARIE JOSEPH,  
FR  
[72] RENOU, FLORENCE ANNE  
NATHALIE, FR  
[73] SNECMA MOTEURS, FR  
[22] 1995-09-06  
[30] FR (94.10690) 1994-09-07

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[11] 2,158,820  
[13] C

[51] Int.Cl. 6C04B 38/02  
[25] EN  
[54] PRODUCING FOAMED GYPSUM  
BOARD  
[54] PRODUCTION DE PLACOPLATRE  
MOUSSE  
[72] SUCECH, STEVEN W., US  
[73] UNITED STATES GYPSUM  
COMPANY, US  
[22] 1995-09-21  
[30] US (311,687) 1994-09-23

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[11] 2,158,992  
[13] C

[51] Int.Cl. 6C09J 5/10 6F16B 11/00  
[25] EN  
[54] PROCESS FOR PRODUCING AN  
ADHESIVE BOND IN A FOLDED JOINT  
[54] METHODE POUR REALISER UNE  
LIAISON PAR ADHESIF DANS UN  
JOINT A REPLI  
[72] EKLUND, KARL-GUNNAR, SE  
[72] MATTSON, TOMMY, SE  
[73] AB VOLVO, SE  
[85] 1995-09-22  
[86] 1994-03-24 (PCT/SE1994/000266)  
[87] (WO1994/021740)  
[30] SE (9300998-3) 1993-03-25

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[11] 2,160,582  
[13] C

[51] Int.Cl. 6B67D 5/37  
[25] EN  
[54] BOTTLED WATER STATION  
WITH SWEAT-FREE DISPENSER  
FAUCET  
[54] POSTE PORTABLE DE  
DISTRIBUTION D'EAU ET ROBINET  
ANTI-CONDENSATION  
[72] BURROWS, BRUCE D., US  
[73] OASIS CORPORATION, US  
[85] 1995-10-13  
[86] 1995-02-16 (PCT/US1995/002061)  
[87] (WO1995/023114)  
[30] US (08/202,721) 1994-02-28

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**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,161,346**  
 [13] C

[51] Int.Cl. 6C07D 413/12 6C07D 417/12  
 6C07D 261/14 6C07D 413/14 6C07D 261/  
**20** 6A61K 31/41 6A61K 31/435  
 [25] EN  
**[54] SULFONAMIDES AND**  
**DERIVATIVES THEREOF THAT**  
**MODULATE THE ACTIVITY OF**  
**ENDOTHELIN**  
**[54] SULFONAMIDES ET LEURS**  
**DERIVES, AGENTS MODULATEURS**  
**DE L'ACTIVITE DE L'ENDOTHELINE**  
 [72] CHAN, MING FAI, US  
 [72] RAJU, BORE GOWDA, US  
 [72] KOIS, ADAM, US  
 [72] VERNER, ERIK JOEL, US  
 [72] BALAJI, VITUKUDI  
 NARAYANAIYENGAR, US  
 [72] CASTILLO, ROSARIO SILVESTRE,  
 US  
 [72] YALAMOORI,

VENKATACHALAPATHI, US  
 [72] WU, CHENGDE, US  
 [72] RAMNARAYAN,  
 KALYANARAMAN, US  
 [73] ENCYSIVE PHARMACEUTICALS  
 INC., US  
 [85] 1995-10-24  
 [86] 1994-05-20 (PCT/US1994/005755)  
 [87] (WO1994/027979)  
 [30] US (08/065,202) 1993-05-20  
 [30] US (08/100,565) 1993-07-30  
 [30] US (08/100,125) 1993-07-30  
 [30] US (08/142,552) 1993-10-21  
 [30] US (08/142,159) 1993-10-21  
 [30] US (08/142,631) 1993-10-21  
 [30] US (08/222,287) 1994-04-05

[11] **2,162,500**  
 [13] C

[51] Int.Cl. 6B65D 25/14  
 [25] EN  
**[54] CONTAINER FOR LIQUIDS**  
**[54] CONTENANT POUR LIQUIDES**  
 [72] PARADINE, JOHN E., US  
 [73] ESSEX SPECIALTY PRODUCTS,  
 INC., US  
 [85] 1995-11-08  
 [86] 1994-05-11 (PCT/US1994/005247)  
 [87] (WO1994/026604)  
 [30] US (08/062,088) 1993-05-14

[11] **2,164,626**  
 [13] C

[51] Int.Cl. 6A61K 38/16  
 [25] EN  
**[54] MULTIPLE BOTULINUM TOXINS**  
**FOR TREATING NEUROMUSCULAR**  
**DISORDERS AND CONDITIONS**  
**[54] TOXINES MULTIPLES DE**  
**BOTULINUM POUR LE TRAITEMENT**  
**DES TROUBLES**  
**NEUROMUSCULAIRES**  
 [72] AOKI, K. ROGER, US  
 [72] GRAYSTON, MICHAEL W., US  
 [72] CARLSON, STEVEN R., US  
 [72] LEON, JUDITH M., US  
 [73] ALLERGAN, INC., US  
 [85] 1995-12-06  
 [86] 1994-06-07 (PCT/US1994/006418)  
 [87] (WO1994/028923)  
 [30] US (08/075,032) 1993-06-10

[11] **2,165,663**  
 [13] C

[51] Int.Cl. 6C12N 9/96 6C12Q 1/26  
**6C12Q 1/54**  
 [25] EN  
**[54] DIAGNOSTIC REAGENT**  
**STABILIZER**  
**[54] STABILISATEUR POUR UN**  
**REACTIF DE DIAGNOSTIC**  
 [72] BATESON, JOSEPH E., US  
 [73] ROCHE DIAGNOSTICS  
 CORPORATION, US  
 [85] 1995-12-19  
 [86] 1994-06-21 (PCT/US1994/007223)  
 [87] (WO1995/000662)  
 [30] US (08/080,263) 1993-06-21

[11] **2,166,010**  
 [13] C

[51] Int.Cl. 6B05B 5/16  
 [25] EN  
**[54] FRAME MOUNTED ISOLATED**  
**MOTOR DRIVEN ELECTROSTATIC**  
**SPRAY SYSTEM**  
**[54] DISPOSITIF DE PULVERISATION**  
**ELECTROSTATIQUE ENTRAINE PAR**  
**UN MOTEUR, MONTE SUR UN**  
**SUPPORT, ET COMPORTANT DES**  
**DISPOSITIFS D'ISOLATION**  
**ELECTRIQUE**  
 [72] TRUSTY, DENNIS L., US  
 [72] WAGNER, ORYN B., US  
 [72] KUHN, PATRICK, US  
 [73] CLARK EQUIPMENT COMPANY, US  
 [22] 1995-12-22  
 [30] US (08/372,377) 1995-01-13

[11] **2,166,307**  
 [13] C

[51] Int.Cl. 6C08L 77/00 6C09D 177/00  
**6C09D 5/03**  
 [25] FR  
**[54] COMPOSITION EN POUDRE A**  
**BASE DE POLYAMIDE POUR LE**  
**REVETEMENT DE SUBSTRATS**  
**METALLIQUES**  
**[54] POLYAMIDE-BASED POWDER**  
**COMPOSITION FOR THE COATING**  
**OF METAL SUBSTRATES**  
 [72] PERRAUD, ERIC, FR  
 [72] TEDOLDI, ARNAUD, FR  
 [72] SAGE, JEAN MARC, FR  
 [73] ATOFINA, FR  
 [85] 1995-12-28  
 [86] 1994-06-30 (PCT/FR1994/000804)  
 [87] (WO1995/001403)  
 [30] FR (93/07976) 1993-06-30

[11] **2,166,419**  
 [13] C

[51] Int.Cl. 6C09D 11/02 6A61K 9/00  
**6A61K 47/00**  
 [25] EN  
**[54] LIQUID INK JET INK**  
**[54] ENCRE LIQUIDE POUR APPAREIL**  
**D'IMPRESSION A JET D'ENCRE**  
 [72] NICHOLLS, STEPHEN, AU  
 [72] ALSTON, JOHN THOMAS, AU  
 [73] TONEJET LIMITED, GB  
 [85] 1995-12-29  
 [86] 1994-06-29 (PCT/AU1994/000357)  
 [87] (WO1995/001404)  
 [30] AU (PL9710) 1993-07-01

[11] **2,170,149**  
 [13] C

[51] Int.Cl. 6C22B 11/08 6C22B 3/00  
**6C22B 3/24**  
 [25] EN  
**[54] PROCESS FOR THE ELUTION OF**  
**PRECIOUS METALS ADSORBED ON**  
**ACTIVE CARBON**  
**[54] PROCEDE D'ELUTION DES**  
**METAUX PRECIEUX FIXES PAR**  
**ADSORPTION SUR DU CHARBON**  
**ACTIVE**  
 [72] HARVEY, SARAH, BE  
 [72] VAN LIERDE, ANDRE, BE  
 [72] LOUIS, PIERRE EDOUARD, BE  
 [73] UMICORE ENGINEERING S.A., BE  
 [85] 1996-02-22  
 [86] 1994-09-15 (PCT/EP1994/003091)  
 [87] (WO1995/008651)  
 [30] BE (9300987) 1993-09-21

Brevets canadiens délivrés  
23 novembre 2004

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[11] **2,170,866**  
[13] C

[51] Int.Cl. 6B01D 46/42 6B01D 46/02  
6B01D 46/48  
[25] EN  
[54] **BAG HOUSE CLEANING SYSTEMS**  
[54] **SYSTEMES DE NETTOYAGE**  
**DOMESTIQUE UTILISANT UN SAC**  
[72] ELLIOTT, JEFFREY A., AU  
[73] GOYEN CONTROLS CO. PTY.  
LIMITED, AU  
[85] 1996-03-01  
[86] 1994-09-01 (PCT/AU1994/000520)  
[87] (WO1995/006509)  
[30] AU (PM 1028) 1993-09-03

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[11] **2,171,117**  
[13] C

[51] Int.Cl. 6B02C 18/10 6G01N 1/28  
6B02C 18/30 6B02C 18/36  
[25] EN  
[54] **A MECHANICAL TRITURATOR**  
**FOR BIOLOGICAL MATERIAL**  
[54] **TRITURATEUR MECANIQUE**  
**POUR MATERIAUX BIOLOGIQUES**  
[72] ROGGERO, GIANMARCO, IT  
[73] CONSUL T.S. S.R.L., IT  
[85] 1996-03-05  
[86] 1994-09-26 (PCT/EP1994/003202)  
[87] (WO1995/009051)  
[30] IT (TO93A000706) 1993-09-28

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[11] **2,171,133**  
[13] C

[51] Int.Cl. 6B01D 27/00  
[25] EN  
[54] **LIQUID FILTER**  
[54] **FILTRE A LIQUIDE**  
[72] MORGAN, HOWARD WILLIAM, JR.,  
US  
[73] MORGAN, HOWARD WILLIAM, JR.,  
US  
[22] 1996-03-06  
[30] US (404,193) 1995-03-13

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[11] **2,171,307**  
[13] C

[51] Int.Cl. 6G06F 11/26 6H01L 23/532  
[25] EN  
[54] **SCAN TEST CIRCUIT USING FAST**  
**TRANSMISSION GATE SWITCH**  
[54] **CIRCUIT DE VERIFICATION DE**  
**BALAYAGE UTILISANT UNE PORTE**  
**DE COMMUTATION A**  
**TRANSMISSION RAPIDE**  
[72] AMITAI, ZWIE, US  
[72] MUEGGE, MARK, US  
[73] QUALITY SEMICONDUCTOR, INC.,  
US  
[85] 1996-03-07  
[86] 1994-09-12 (PCT/US1994/010312)  
[87] (WO1995/008153)  
[30] US (08/123,481) 1993-09-16

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[11] **2,171,329**  
[13] C

[51] Int.Cl. 6C07J 73/00 6C07J 41/00  
6A61K 31/58 6C07C 235/82  
[25] EN  
[54] **ANDROSTENONES**  
[54] **ANDROSTENONES**  
[72] BATCHELOR, KENNETH WILLIAM,  
US  
[72] FRYE, STEPHEN VERNON, US  
[73] GLAXO WELLCOME INC., US  
[85] 1996-03-07  
[86] 1994-09-16 (PCT/US1994/010479)  
[87] (WO1995/007926)  
[30] US (08/123,280) 1993-09-17  
[30] US (08/136,515) 1993-10-12

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[11] **2,171,446**  
[13] C

[51] Int.Cl. 6C07K 7/18 6C07K 5/00  
6A61K 38/04  
[25] EN  
[54] **PSEUDO- AND NON-PEPTIDE**  
**BRADYKININ RECEPTOR**  
**ANTAGONISTS**  
[54] **ANTAGONISTES DU RECEPTEUR**  
**DE LA BRADYKININE PSEUDO-**  
**PEPTIDIQUE ET NON PEPTIDIQUE**  
[72] KYLE, DONALD JAMES, US  
[72] LU, ZHIJIAN, US  
[72] MAVUNKEL, BABU JOSEPH, US  
[73] SCIOS NOVA INC., US  
[85] 1996-03-08  
[86] 1994-09-09 (PCT/US1994/010128)  
[87] (WO1995/007294)  
[30] US (08/118,550) 1993-09-09  
[30] US (08/281,906) 1994-07-28  
[30] US (08/281,907) 1994-07-28  
[30] US (08/281,908) 1994-07-28  
[30] US (08/119,341) 1993-09-09  
[30] US (08/281,904) 1994-07-28  
[30] US (08/118,981) 1993-09-09  
[30] US (08/118,558) 1993-09-09

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[11] **2,171,539**  
[13] C

[51] Int.Cl. 6B32B 15/01 6B22F 7/02  
6C23C 14/34  
[25] EN  
[54] **LAMINATED METAL**  
**STRUCTURE**  
[54] **STRUCTURE METALLIQUE**  
[72] LIPPENS, PAUL, BE  
[72] BUEKENHOUT, LOUIS, BE  
[73] INNOVATIVE SPUTTERING  
TECHNOLOGY N.V. (I.S.T.), BE  
[85] 1996-03-11  
[86] 1994-09-23 (PCT/BE1994/000059)  
[87] (WO1995/008438)  
[30] BE (9300999) 1993-09-24

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**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,171,963**  
[13] C

[51] Int.Cl. 6C08B 37/02 6A61K 38/00  
6A61K 9/16 6A61K 9/36 6A61K 47/36  
6A61K 9/50  
[25] EN  
[54] DEXTRAN ESTERS, THE  
PREPARATION THEREOF AND THE  
USE THEREOF FOR COATING OR  
EMBEDDING DRUGS  
[54] ESTERS DE DEXTRANE; LEUR  
PREPARATION ET LEUR  
UTILISATION POUR LE  
REVETEMENT OU L'ENROBAGE DE  
MEDICAMENTS  
[72] SCHEHLMANN, VOLKER, DE  
[72] BAUER, KURT HEINZ, DE  
[72] KESSELHUT, JAN-FREDERIC, DE  
[73] BASF AKTIENGESELLSCHAFT, DE  
[85] 1996-03-15  
[86] 1994-09-07 (PCT/EP1994/002988)  
[87] (WO1995/007936)  
[30] DE (P 43 31 539.9) 1993-09-17

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[11] **2,173,853**  
[13] C

[51] Int.Cl. 6B24D 3/28  
[25] EN  
[54] ABRASIVE ARTICLE, A PROCESS  
OF MAKING SAME, AND A METHOD  
OF USING SAME TO FINISH A  
WORKPIECE SURFACE  
[54] ARTICLE ABRASIF, SON  
PROCEDE DE FABRICATION ET  
PROCEDE D'UTILISATION DUDIT  
ARTICLE POUR LE FINI D'UNE  
SURFACE D'UNE PIECE A USINER  
[72] HIBBARD, LOUIS D., US  
[72] COLLINS, STANLEY B., US  
[72] HAAS, JOHN D., US  
[73] MINNESOTA MINING AND  
MANUFACTURING COMPANY, US  
[85] 1996-04-10  
[86] 1994-09-19 (PCT/US1994/010470)  
[87] (WO1995/011773)  
[30] US (08/145404) 1993-10-29

[11] **2,179,187**  
[13] C

[51] Int.Cl. 6G01M 3/28  
[25] EN  
[54] SIMPLIFIED APPARATUS FOR  
DETECTION OF LEAKS IN  
PRESSURIZED PIPELINES  
[54] APPAREIL SIMPLIFIE DE  
DETECTION DE FUITES DANS DES  
CONDUITES SOUS PRESSION  
[72] MARESCA, JOSEPH W., JR., US  
[72] STARR, JAMES W., US  
[72] WILSON, CHRISTOPHER, US  
[72] WISE, RICHARD F., US  
[73] VISTA RESEARCH, INC., US  
[85] 1996-06-14  
[86] 1994-12-16 (PCT/US1994/014465)  
[87] (WO1995/016901)  
[30] US (08/170,092) 1993-12-17

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[11] **2,179,618**  
[13] C

[51] Int.Cl. 6H04L 12/56  
[25] EN  
[54] DATA LINK INTERFACE FOR  
PACKET-SWITCHED NETWORK  
[54] INTERFACE DE LIAISON DE  
DONNES POUR RESEAU DE  
COMMUTATION PAR PAQUETS  
[72] WATT, JAMES, CA  
[73] ALCATEL CANADA INC., CA  
[85] 1996-06-20  
[86] 1994-12-22 (PCT/CA1994/000724)  
[87] (WO1995/017788)  
[30] GB (9326276.4) 1993-12-23

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[11] **2,181,158**  
[13] C

[51] Int.Cl. 6F16L 59/14  
[25] EN  
[54] METHOD AND APPARATUS FOR  
INSULATING  
[54] PROCEDE ET APPAREIL  
D'ISOLATION  
[72] CRIDLAND, IAN, DK  
[72] ETTEMA, A. M., NL  
[72] JEPSEN, KJELD, DK  
[72] PETERSEN, JRGREN SKJOLD, DK  
[73] ROCKWOOL INTERNATIONAL A/S,  
DK  
[85] 1996-07-12  
[86] 1995-01-11 (PCT/DK1995/000020)  
[87] (WO1995/019523)  
[30] DK (71/94) 1994-01-14

[11] **2,184,992**  
[13] C

[51] Int.Cl. 6A61M 1/10 6A61M 16/00  
6A61M 1/36  
[25] EN  
[54] CONTROL OF LIFE SUPPORT  
SYSTEMS  
[54] REGULATION DES SYSTEMES  
D'ASSISTANCE CARDIO-  
RESPIRATOIRE  
[72] MUTCHE, WILLIAM ALAN C., CA  
[72] LEFEVRE, GERALD ROBIN, CA  
[73] BIOVAR LIFE SUPPORT INC., CA  
[85] 1996-09-06  
[86] 1995-03-15 (PCT/CA1995/000144)  
[87] (WO1995/024936)  
[30] GB (9405002.8) 1994-03-15

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[11] **2,185,242**  
[13] C

[51] Int.Cl. 6A61K 31/19 6A61K 9/24  
[25] EN  
[54] SUSTAINED RELEASE TABLET  
CONTAINING DICLOFENAC-NA  
[54] COMPRIME RENFERMANT DU  
DICLOFENAC-NA A LIBERATION  
PROLONGEE  
[72] FISCHER, WILFRIED, DE  
[72] KLOKKERS, KARIN, DE  
[73] HEXAL AG, DE  
[85] 1996-09-10  
[86] 1995-03-13 (PCT/EP1995/000928)  
[87] (WO1995/024188)  
[30] DE (44 08 326.2) 1994-03-11

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[11] **2,186,359**  
[13] C

[51] Int.Cl. 6H01L 39/22  
[25] EN  
[54] SUPERCONDUCTIVE JUNCTION  
[54] JONCTION SUPRACONDUCTRICE  
[72] CHEW, NIGEL GORDON, GB  
[72] GOODYEAR, SIMON WRAY, GB  
[72] HUMPHREYS, RICHARD GEORGE,  
GB  
[72] SATCHELL, JULIAN SIMON, GB  
[73] QINETIQ LIMITED, GB  
[85] 1996-09-24  
[86] 1995-03-10 (PCT/GB1995/000525)  
[87] (WO1995/026575)  
[30] GB (9406015.9) 1994-03-25

Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,191,689  
[13] C

[51] Int.Cl. 6B65G 17/26 6B65G 15/22  
[25] EN  
[54] CONVEYOR CHAIN WITH  
SEALED PLUG HINGE PIN  
RETENTION SYSTEM  
[54] CONVOYEUR A CHAINE AVEC  
SYSTEME DE RETENUE  
COMPORTANT DES AXES AVEC  
CAPUCHON DE SCELLEMENT  
[72] ENSCH, PETER J., US  
[72] STEBNICKI, JAMES C., US  
[73] REXNORD CORPORATION, US  
[22] 1996-11-29  
[30] US (596,588) 1996-02-05

---

[11] 2,192,050  
[13] C

[51] Int.Cl. 6B64G 1/32 6B64G 1/44  
[25] FR  
[54] PROCEDE DE COMMANDE  
D'ATTITUDE D'UN SATELLITE EN  
ORBITE BASSE, A ACQUISITION  
SOLAIRE  
[54] SOLAR LOW EARTH ORBIT  
SATELLITE ATTITUDE CONTROL  
METHOD  
[72] DAMILANO, PATRICE, FR  
[73] MATRA MARCONI SPACE FRANCE,  
FR  
[22] 1996-12-04  
[30] FR (95 14418) 1995-12-06

---

[11] 2,192,196  
[13] C

[51] Int.Cl. 6G01F 11/10 6B01L 11/00  
6B04B 5/04  
[25] EN  
[54] MODIFIED SIPHONS FOR  
IMPROVED METERING PRECISION  
[54] SIPHONS MODIFIES  
GARANTISSANT UNE PRECISION DE  
DOSAGE AMELIORE  
[72] KOPF-SILL, ANNE R., US  
[72] SCHEMBRI, CAROL T., US  
[73] ABAXIS, INC., US  
[85] 1996-12-05  
[86] 1995-06-05 (PCT/US1995/007145)  
[87] (WO1995/033986)  
[30] US (08/254,406) 1994-06-06

---

[11] 2,192,365  
[13] C

[51] Int.Cl. 6A61L 2/08 6B65B 55/02  
[25] EN  
[54] A PROCESS FOR STERILISATION  
BY .GAMMA.-RADIATION AND BY  
THE USE OF AN OXYGEN ABSORBER,  
A CONTAINER AND A MEDICAL  
ARTICLE STERILISED BY THE  
PROCESS  
[54] PROCEDE DE STERILISATION  
PAR RAYONNEMENT .GAMMA. ET  
PAR UTILISATION D'UN ABSORBEUR  
D'OXYGENE, RESERVOIR ET  
ARTICLE MEDICAL STERILISES AU  
MOYEN DUDIT PROCEDE  
[72] AHLQVIST, ANNA, SE  
[72] BERGLUND, KJELL, SE  
[72] LUNDMARK, STEFAN, SE  
[72] WARD, JIMMIE, IE  
[73] FRESENIUS KABI AB, SE  
[85] 1996-12-06  
[86] 1995-06-08 (PCT/SE1995/000684)  
[87] (WO1995/033651)  
[30] SE (9401986-6) 1994-06-08

---

[11] 2,192,739  
[13] C

[51] Int.Cl. 6H04M 11/06 6G06F 13/14  
[25] EN  
[54] SYSTEM FOR AUDIO  
COMMUNICATION BETWEEN TWO  
TERMINALS CONNECTED TO THE  
INTERNET NETWORK  
[54] SYSTEME DE COMMUNICATION  
AUDIO ENTRE DEUX TERMINEAUX  
BRANCHES AU RESEAU INTERNET  
[72] WATANABE, HIDEKAZU, JP  
[72] ASAI, MASAHIRO, JP  
[72] OYAMA, AKIMASA, JP  
[72] OZAWA, KAZUNORI, JP  
[73] SONY CORPORATION, JP  
[22] 1996-12-12  
[30] JP (P07-348398) 1995-12-18

---

[11] 2,193,763  
[13] C

[51] Int.Cl. 6C09D 17/00 6C09D 7/02  
6C09D 11/02  
[25] EN  
[54] PIGMENT DISPERSION AND  
OFFSET PRINTING INK  
COMPOSITION USING THE SAME  
[54] DISPERSION DE PIGMENT ET  
COMPOSITION POUR ENCRE  
D'IMPRESSION OFFSET  
RENFERMANT CETTE DISPERSION  
[72] IWASE, KOJI, JP  
[72] KINOSHITA, HIDEKI, JP  
[72] SATO, TERUHISA, JP  
[72] ISHIKAWA, HIROYUKI, JP  
[73] SAKATA INX CORP., JP  
[22] 1996-12-23  
[30] JP (337383/1995) 1995-12-25  
[30] JP (243843/1996) 1996-09-13  
[30] JP (54944/1996) 1996-03-12

---

[11] 2,193,791  
[13] C

[51] Int.Cl. 6E21B 41/00 6B65D 88/00  
[25] EN  
[54] PORTABLE LIQUID MUD PLANT  
[54] MODULE PORTATIF DE  
TRAITEMENT DES BOUES LIQUIDES  
[72] KHALATBARI, BIJAN, US  
[72] GAERTNER, CHARLES ARNOLD,  
US  
[73] M-I, L.L.C., US  
[22] 1996-12-23  
[30] US (08/594,860) 1996-01-31

---

[11] 2,193,835  
[13] C

[51] Int.Cl. 6B01J 19/26 6B01J 12/00  
6C07C 21/067  
[25] EN  
[54] CYCLONIC REACTOR  
[54] REACTEUR CYCLONE  
[72] AYOUB, PAUL MARIE, US  
[72] GINESTRA, JEAN CHARLES, US  
[73] SHELL INTERNATIONALE  
RESEARCH MAATSCHAPPIJ B.V., NL  
[85] 1996-12-23  
[86] 1995-06-20 (PCT/EP1995/002400)  
[87] (WO1996/000126)  
[30] US (264825) 1994-06-25

---

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,194,747**  
 [13] C

[51] Int.Cl. 6G01F 25/00  
 [25] EN  
**[54] APPARATUS AND METHOD FOR CALIBRATING A STORAGE TANK**  
**[54] APPAREIL ET METHODE POUR ETALONNER UN RESERVOIR DE STOCKAGE**  
 [72] HART, ROBERT P., US  
 [72] MALININ, LEONID M., US  
 [73] VEEDER-ROOT COMPANY, US  
 [22] 1997-01-09  
 [30] US (08/587,885) 1996-01-11

---

[11] **2,196,929**  
 [13] C

[51] Int.Cl. 6B21D 5/01 6B29C 53/04  
**6B21D 37/12**  
 [25] EN  
**[54] THIN SHEET FORMING DIES**  
**[54] MATRICES POUR TOLES MINCES**  
 [72] MATSUOKA, MITSUO, JP  
 [73] UMIX CO., LTD., JP  
 [22] 1997-02-06

---

[11] **2,196,981**  
 [13] C

[51] Int.Cl. 6C22B 3/08 6C22B 3/44  
 [25] EN  
**[54] HYDROMETALLURGICAL CONVERSION OF ZINC SULFIDE TO SULFATE FROM ZINC SULFIDE CONTAINING ORES AND CONCENTRATES**  
**[54] CONVERSION HYDROMETALLURGIQUE DE SULFURE DE ZINC EN SULFATE A PARTIR DE MINERAIS ET DE CONCENTRES RENFERMANT DU SULFURE DE ZINC**  
 [72] O'BRIEN, N. ROBERT, CA  
 [72] PETERS, ERNEST, CA  
 [73] R & O MINING PROCESSING LTD., CA  
 [85] 1997-02-06  
 [86] 1995-08-09 (PCT/CA1995/000473)  
 [87] (WO1996/005329)  
 [30] US (08/290,206) 1994-08-15

---

[11] **2,197,333**  
 [13] C

[51] Int.Cl. 6G01S 5/14  
 [25] EN  
**[54] DIFFERENTIAL GPS GROUND STATION SYSTEM**  
**[54] SYSTEME DE RECEPTION POUR STATION TERRIENNE DE GPS DIFFERENTIEL**  
 [72] VALLOT, LAWRENCE C., US  
 [72] BRENNER, MATS A., US  
 [73] HONEYWELL INC., US  
 [85] 1997-02-11  
 [86] 1995-08-22 (PCT/US1995/010644)  
 [87] (WO1996/006364)  
 [30] US (08/294,284) 1994-08-23

---

[11] **2,200,577**  
 [13] C

[51] Int.Cl. 6G06F 17/00  
 [25] EN  
**[54] INTERACTIVE PROGRAMMING METHOD**  
**[54] PROCEDE INTERACTIF DE PROGRAMMATION**  
 [72] FREEMAN, MICHAEL J., US  
 [73] ACTV, INC., US  
 [85] 1997-03-20  
 [86] 1995-09-22 (PCT/US1995/012059)  
 [87] (WO1996/009588)  
 [30] US (08/311,019) 1994-09-23

---

[11] **2,201,845**  
 [13] C

[51] Int.Cl. 6C07C 237/06 6C07D 295/15  
**6C08G 18/18**  
 [25] EN  
**[54] REACTIVE AMINE CATALYSTS AND THEIR USE IN POLYURETHANE POLYMERS**  
**[54] CATALYSEURS A BASE D'AMINES REACTIVES ET LEUR UTILISATION DANS LES POLYMERES DE POLYURETHANE**  
 [72] GERKIN, RICHARD M., US  
 [72] ROBINSON, KAYE K., US  
 [73] GENERAL ELECTRIC COMPANY, US  
 [22] 1997-04-04  
 [30] US (60/074,843) 1996-04-04

---

[11] **2,200,173**  
 [13] C

[51] Int.Cl. 6G06F 19/00 6A61B 5/00  
 [25] EN  
**[54] METHOD AND APPARATUS FOR AUTOMATIC CONFIGURATION OF A NETWORK NODE**  
**[54] METHODE ET APPAREIL DE CONFIGURATION AUTOMATIQUE DE NOEUDS DE RESEAU**  
 [72] FUCHS, KENNETH, US  
 [73] DRAEGER MEDICAL SYSTEMS, INC., US  
 [22] 1997-03-17  
 [30] US (08/618,155) 1996-03-19

---

[11] **2,202,338**  
 [13] C

[51] Int.Cl. 6A61K 7/48  
 [25] EN  
**[54] SKIN CARE COMPOSITIONS CONTAINING FATTY ACID AMIDES, AZOLE AND RETINOL OR RETINYL ESTER**  
**[54] COMPOSITIONS POUR SOINS DE LA PEAU, A BASE D'AMIDES D'ACIDES GRAS, D'AZOLES ET DE RETINOL OU D'ESTER RETINYLIQUE**  
 [72] SCOTT, IAN RICHARD, US  
 [72] GRANGER, STEWART PATON, US  
 [72] RAWLINGS, ANTHONY VINCENT, GB  
 [73] UNILEVER PLC, GB  
 [22] 1997-04-10  
 [30] US (08/638,074) 1996-04-25

Brevets canadiens délivrés  
23 novembre 2004

---

[11] 2,202,869

[13] C

[51] Int.Cl. 6C08L 3/02 6C08J 9/28 6B65D  
65/46  
[25] EN  
[54] FOAMED STARCH  
COMPOSITIONS, ARTICLES AND  
METHODS  
[54] COMPOSITIONS D'AMIDON  
EXPANSE, ARTICLES ET PROCEDES  
ASSOCIES  
[72] ANDERSEN, PER JUST, US  
[72] HODSON, SIMON K., US  
[73] E. KHASHOGGI INDUSTRIES, LLC,  
US  
[85] 1997-04-16  
[86] 1995-09-12 (PCT/US1995/011621)  
[87] (WO1996/012606)  
[30] US (08/327,524) 1994-10-21  
[30] US (08/353,543) 1994-12-09  
[30] US (08/353,544) 1994-12-09  
[30] US (08/353,783) 1994-12-09

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[11] 2,203,818

[13] C

[51] Int.Cl. 6G08B 25/08 6H04M 11/04  
[25] EN  
[54] SECURITY SYSTEM USING  
CALLER IDENTIFICATION  
[54] SYSTEME DE SECURITE  
UTILISANT L'IDENTIFICATION DU  
DEMANDEUR  
[72] PATTERSON, KEVIN WILLIAM, US  
[72] HE, JEFFREY CONG, CA  
[73] DETECTION SYSTEMS, INC., US  
[22] 1997-04-25  
[30] US (08/772,000) 1996-12-23

---

[11] 2,203,927

[13] C

[51] Int.Cl. 6A61B 5/05  
[25] EN  
[54] MICROWAVE METHOD TO  
DETECT AND LOCATE CANCERS IN  
HETEROGENOUS TISSUES  
[54] METHODE FAISANT APPEL AUX  
MICRO-ONDES POUR DETECTER ET  
LOCALISER DES TUMEURS  
CANCEREUSES DANS DES TISSUS  
HETEROGENES  
[72] BRIDGES, JACK E., US  
[73] BRIDGES, JACK E., US  
[22] 1997-04-28  
[30] US (08/641,834) 1996-05-02

---

[11] 2,204,828

[13] C

[51] Int.Cl. 6H04N 7/50 6H04L 1/00  
[25] EN  
[54] ERROR DETECTION AND  
RECOVERY FOR HIGH RATE  
ISOCHRONOUS DATA IN MPEG-2  
DATA STREAMS  
[54] DETECTION ET REDRESSEMENT  
D'ERREUR POUR DONNEES  
ISOCHRONES A DEBIT ELEVE DANS  
DES FLOTS DE DONNEES MPEG-2  
[72] NUBER, RAY, US  
[72] MORONEY, PAUL, US  
[73] GENERAL INSTRUMENT  
CORPORATION OF DELAWARE, US  
[22] 1997-05-08  
[30] US (60/017,467) 1996-05-10  
[30] US (08/678,108) 1996-07-11

---

[11] 2,206,678

[13] C

[51] Int.Cl. 6A22C 29/00  
[25] EN  
[54] AUTOMATED CRUSTACEAN  
CLEANING AND CUTTING  
APPARATUS AND METHOD OF USING  
SAME  
[54] DISPOSITIF AUTOMATIQUE DE  
NETTOYAGE ET DE DECOUPAGE DE  
CRUSTACES ET PROCEDE ASSOCIE  
[72] REIMER, ERNIE, CA  
[72] KING, STEVEN, CA  
[72] HEARN, PAUL, CA  
[73] CANPOLAR EAST INC., CA  
[22] 1997-06-04

---

[11] 2,209,223

[13] C

[51] Int.Cl. 6H02K 41/02  
[25] EN  
[54] ELONGATE STATOR FOR A  
LINEAR MOTOR  
[54] STATOR OBLONG POUR  
MOTEUR LINEAIRE  
[72] HAHN, WOLFGANG, DE  
[72] MILLER, LUITPOLD, DE  
[73] THYSSEN INDUSTRIE AG, DE  
[85] 1997-06-30  
[86] 1996-10-19 (PCT/DE1996/002008)  
[87] (WO1997/016880)  
[30] DE (195 40 442.4) 1995-10-30  
[30] DE (196 20 221.3) 1996-05-20

---

[11] 2,210,943

[13] C

[51] Int.Cl. 6H02J 3/04  
[25] EN  
[54] CONTROL ARRANGEMENT AND  
METHOD FOR HIGH-SPEED SOURCE-  
TRANSFER SWITCHING SYSTEM  
[54] MECANISME DE COMMANDE ET  
METHODE POUR SYSTEME DE  
COMMUTATION DE SOURCES A  
GRANDE VITESSE  
[72] O'LEARY, RAYMOND P., US  
[73] S&C ELECTRIC COMPANY, US  
[22] 1997-07-21  
[30] US (08/769,387) 1996-12-19

---

[11] 2,211,068

[13] C

[51] Int.Cl. 6F16H 3/12 6F16H 3/14  
[25] EN  
[54] COMPACT MANUAL TRANSAXLE  
[54] BOITE-PONT MANUELLE  
COMPACTE  
[72] AHLUWALIA, PAVINDER, US  
[72] BROWN, DAVID, GB  
[73] NEW VENTURE GEAR, INC., US  
[22] 1997-07-21  
[30] US (08/681,337) 1996-07-22

---

[11] 2,211,424

[13] C

[51] Int.Cl. 6F23R 3/16  
[25] FR  
[54] ENSEMBLE BOL-DEFLECTEUR  
POUR CHAMBRE DE COMBUSTION  
DE TURBOMACHINE  
[54] COMBINED BOWL-DEFLECTOR  
FOR COMBUSTION CHAMBER OF  
TURBINE ENGINE  
[72] SANDELIS, DENIS, FR  
[73] SNECMA MOTEURS, FR  
[22] 1997-07-17  
[30] FR (96.09363) 1996-07-27

---

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,211,438**  
 [13] C

[51] Int.Cl. 6H03K 19/01 6H03K 19/02  
 6H03K 19/20 6H03K 17/30  
 [25] EN  
 [54] A NOVEL LOGIC FAMILY  
 EMPLOYING TWO-TERMINAL  
 CHALCOGENIDE SWITCHES AS THE  
 LOGIC GATES THEREIN  
 [54] NOUVELLE FAMILLE LOGIQUE  
 UTILISANT DES COMUTATEURS A  
 DEUX BORNES EN CHALCOGENURE  
 EN TANT QUE PORTES LOGIQUES  
 [72] OVSHINSKY, STANFORD R., US  
 [73] ENERGY CONVERSION DEVICES,  
 INC., US  
 [85] 1997-07-25  
 [86] 1996-01-17 (PCT/US1996/000602)  
 [87] (WO1996/024985)  
 [30] US (386,902) 1995-02-10

---

[11] **2,213,898**  
 [13] C

[51] Int.Cl. 6A23P 1/10 6A22C 7/00  
 6A23G 9/04  
 [25] EN  
 [54] METHOD AND APPARATUS FOR  
 MOULDING A FOOD PRODUCT  
 [54] METHODE ET APPAREIL DE  
 MOULAGE DE PRODUIT  
 ALIMENTAIRE  
 [72] MILLER, JEREMY PAUL, GB  
 [72] JONES, SEAN THOMAS, GB  
 [73] INNOVATIVE RESEARCH  
 TECHNOLOGIES LLC, US  
 [22] 1997-08-25  
 [30] GB (9618171.4) 1996-08-30  
 [30] GB (9709725.7) 1997-05-13

---

[11] **2,214,801**  
 [13] C

[51] Int.Cl. 6F21V 25/10 6F21V 15/02  
 [25] EN  
 [54] LAMP WITH SAFETY FEATURES  
 [54] LAMPE A CARACTERISTIQUES  
 DE SECURITE  
 [72] TURNER, THOMAS M., US  
 [72] LIVERGOOD, ROBERT J., US  
 [72] LO, DAVID, XX  
 [73] HOLMES PRODUCTS CORP, US  
 [22] 1997-09-05  
 [30] US (08/711,242) 1996-09-09  
 [30] US (08/794,605) 1997-02-03

---

[11] **2,214,900**  
 [13] C

[51] Int.Cl. 6H04N 7/08 6H04B 7/185  
 6H04N 7/50  
 [25] EN  
 [54] DATA TRANSMISSION AND  
 RECEPTION DEVICE AND SYSTEM,  
 DATA TRANSMISSION METHOD AND  
 PARAMETER SETTING METHOD FOR  
 DATA RECEIPTION DEVICE  
 [54] DISPOSITIF ET SYSTEME DE  
 TRANSMISSION ET DE RECEPTION  
 DE DONNEES, METHODE DE  
 TRANSMISSION DE DONNEES ET  
 METHODE D'INITIALISATION DE  
 PARAMETRES POUR DISPOSITIF DE  
 RECEPTION DE DONNEES  
 [72] HIRAI, JUN, JP  
 [72] EZAKI, TADASHI, JP  
 [72] KORI, TERUHIKO, JP  
 [73] SONY CORPORATION, JP  
 [22] 1997-09-08  
 [30] JP (P08-239425) 1996-09-10

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[11] **2,215,064**  
 [13] C

[51] Int.Cl. 6G10K 11/16  
 [25] EN  
 [54] FLUIDIC ELEMENT NOISE AND  
 VIBRATION CONTROL CONSTRUCTS  
 AND METHODS  
 [54] METHODE ET STRUCTURES A  
 ELEMENTS FLUIDIQUES POUR LE  
 CONTROLE DU BRUIT ET DES  
 VIBRATIONS  
 [72] ANDERSSON, ANDERS O., US  
 [73] THE BOEING COMPANY, US  
 [22] 1997-09-10  
 [30] US (08/710,352) 1996-09-17

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[11] **2,216,783**  
 [13] C

[51] Int.Cl. 6B29C 47/02 6B60R 13/04  
 [25] EN  
 [54] ELONGATE COMPOSITE  
 MEMBER HAVING A  
 LONGITUDINALLY VARYING CROSS-  
 SECTIONAL SHAPE, AS WELL AS  
 METHOD OF, AND APPARATUS FOR  
 MANUFACTURING THE SAME  
 [54] ELEMENT COMPOSITE  
 ALLONGE DONT LA SECTION  
 TRANSVERSALE VARIE  
 LONGITUDINALEMENT, PROCEDE  
 ET APPAREIL POUR SA FABRICATION  
 [72] TAMURA, TATSUYA, JP  
 [73] HASHIMOTO FORMING INDUSTRY  
 CO., LTD., JP  
 [85] 1997-09-29  
 [86] 1997-01-30 (PCT/JP1997/000223)  
 [87] (WO1997/027989)  
 [30] JP (8-14569) 1996-01-30  
 [30] JP (8-77919) 1996-03-29

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[11] **2,217,822**  
 [13] C

[51] Int.Cl. 6B32B 15/04 6H01L 39/08  
 6H01L 39/12  
 [25] EN  
 [54] STRUCTURES HAVING  
 ENHANCED BIAXIAL TEXTURE AND  
 METHOD OF FABRICATING SAME  
 [54] STRUCTURES AYANT UNE  
 TEXTURE BIAXIALE AMELIOREE ET  
 PROCEDE DE FABRICATION  
 [72] BUDAI, JOHN D., US  
 [72] GOYAL, AMIT, US  
 [72] KROEGER, DONALD M., US  
 [72] NORTON, DAVID P., US  
 [72] CHRISTEN, DAVID K., US  
 [72] SPECHT, ELIOT D., US  
 [73] UT-BATTELLE, LLC, US  
 [85] 1997-10-08  
 [86] 1996-04-10 (PCT/US1996/004934)  
 [87] (WO1996/032201)  
 [30] US (08/419,583) 1995-04-10

Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,219,067  
[13] C

[51] Int.Cl. 6C10M 169/04  
[25] EN  
[54] AUTOMATIC TRANSMISSION FLUIDS OF IMPROVED VISCOMETRIC PROPERTIES  
[54] FLUIDES DE BOITE DE VITESSE AUTOMATIQUE A PROPRIETES VISCOMETRIQUES AMELIOREES  
[72] WATTS, RAYMOND FREDERICK, US  
[72] BLOCH, RICARDO ALFREDO, US  
[73] EXXONMOBIL CHEMICAL PATENTS INC., US  
[85] 1997-11-14  
[86] 1996-07-15 (PCT/US1996/011729)  
[87] (WO1997/004050)  
[30] US (503,052) 1995-07-17

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[11] 2,221,930  
[13] C

[51] Int.Cl. 6C22B 3/08 6C22B 23/00  
[25] EN  
[54] CHLORIDE ASSISTED HYDROMETALLURGICAL EXTRACTION OF METAL  
[54] EXTRACTION HYDROMETALLURGIQUE DE METAL A L'AIDE DE CHLORURE  
[72] JONES, DAVID L., CA  
[73] COMINCO ENGINEERING SERVICES LTD., CA  
[85] 1997-11-21  
[86] 1996-01-04 (PCT/CA1996/000003)  
[87] (WO1996/041026)  
[30] US (08/488,128) 1995-06-07

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[11] 2,222,445  
[13] C

[51] Int.Cl. 6F16F 9/06 6E05F 3/10  
[25] EN  
[54] IMPROVED DAMPER  
[54] AMORTISSEUR AMELIORE  
[72] LADD, MAURICE, US  
[72] EVANS, ARCHIE L., US  
[72] JEFFRIES, MARK S., US  
[73] AVM, INC., US  
[22] 1997-11-26  
[30] US (08/780,269) 1997-01-09

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[11] 2,223,223  
[13] C

[51] Int.Cl. 6E04B 5/00 6E04F 11/00  
6E04G 27/00  
[25] EN  
[54] FLOORING ADAPTER TRANSITION DEVICE  
[54] DISPOSITIF ADAPTATEUR DE TRANSITION POUR PLANCHER  
[72] GLATZ, JERALD L., US  
[73] DURAMAX, INC., US  
[22] 1997-11-28  
[30] US (08/759,610) 1996-12-06

---

[11] 2,223,634  
[13] C

[51] Int.Cl. 6C07D 231/20 6C07D 401/04  
6C07D 403/04  
[25] EN  
[54] PREPARATION OF N-SUBSTITUTED 3-HYDROXYPYRAZOLES  
[54] PROCEDE DE PRODUCTION DE 3-HYDROXYPYRAZOLES A SUBSTITUTION N  
[72] ELLER, KARSTEN, DE  
[72] KLEIN, ULRICH, DE  
[72] GOTZ, NORBERT, DE  
[72] KONIG, HARTMANN, DE  
[73] BASF AKTIENGESELLSCHAFT, DE  
[85] 1998-01-08  
[86] 1996-07-02 (PCT/EP1996/002891)  
[87] (WO1997/003969)  
[30] DE (19525680.8) 1995-07-14

---

[11] 2,223,676  
[13] C

[51] Int.Cl. 6H04R 25/02  
[25] EN  
[54] IN-THE-EAR HEARING AID WITH DIRECTIONAL MICROPHONE SYSTEM  
[54] PROTHESE INTRA-CONQUE AVEC MICROPHONE DIRECTIONNEL  
[72] BREN, MARK A., US  
[72] PETERSON, TIMOTHY S., US  
[72] PREVES, DAVID A., US  
[73] MICRO EAR TECHNOLOGY, INC., US  
[22] 1997-12-04  
[30] US (08/673,520) 1996-12-11

---

---

[11] 2,224,496  
[13] C

[51] Int.Cl. 6F27D 7/06 6F27D 17/00  
[25] EN  
[54] HEATING METHOD AND APPARATUS  
[54] METHODE ET DISPOSITIF DE CHAUFFAGE  
[72] NAKAGAWA, TSUGUHIKO, JP  
[73] JFE STEEL CORPORATION, JP  
[85] 1998-01-28  
[86] 1997-12-15 (PCT/JP1997/004610)  
[87] (WO1998/038344)  
[30] JP (9-046490) 1997-02-28

---

[11] 2,226,094  
[13] C

[51] Int.Cl. 6G07D 9/00  
[25] EN  
[54] ESCALATOR WITH ADJUSTABLE COIN GUIDES  
[54] MECANISME ELEVATEUR AVEC GUIDE-Pieces REGLABLES  
[72] RASMUSSEN, JAMES M., US  
[73] WMS GAMING, INC., US  
[22] 1998-01-06  
[30] US (08/790,843) 1997-01-30

---

[11] 2,229,655  
[13] C

[51] Int.Cl. 6B05D 3/02 6B01J 19/02  
[25] EN  
[54] DIFFUSION BARRIERS FOR PREVENTING HIGH TEMPERATURE HYDROGEN ATTACK  
[54] BARRIERES ANTI-DIFFUSION POUR EMPECHER UNE ATTAQUE PAR DE L'HYDROGENE A HAUTE TEMPERATURE  
[72] HEYSE, JOHN V., US  
[72] BUSCEMI, CHARLES D., US  
[73] CHEVRON CHEMICAL COMPANY LLC, US  
[85] 1998-02-16  
[86] 1996-08-14 (PCT/US1996/013168)  
[87] (WO1997/007255)  
[30] US (60/002,971) 1995-08-18

---

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,229,920**  
 [13] C

[51] Int.Cl. 6A63B 59/06  
 [25] EN  
 [54] METAL BAT WITH PRESSURIZED BLADDER IN HITTING ZONE AND METHOD OF MAKING SAME  
 [54] BATON DE BASEBALL METALLIQUE AVEC POCHE PNEUMATIQUE PRESSURISEE DANS LA ZONE DE FRAPPE, ET METHODE DE FABRICATION  
 [72] MACKAY, JACK W., JR., US  
 [72] MACKAY, KAYE K., US  
 [72] MACKAY, JACK W., III, US  
 [73] HILLERICH & BRADSBY CO., US  
 [22] 1998-02-19  
 [30] US (08/802,516) 1997-02-20

[11] **2,230,039**  
 [13] C

[51] Int.Cl. 6G01D 5/26 6G01L 11/02  
 [25] EN  
 [54] FABRY-PEROT PRESSURE SENSING SYSTEM WITH RATIOED QUADRATURE PULSE DETECTION  
 [54] SYSTEME DE DETECTION DE PRESSION FABRY-PEROT AVEC DETECTION D'IMPULSIONS EN QUADRATURE  
 [72] HALL, DAVID B., US  
 [73] LITTON SYSTEMS, INC., US  
 [22] 1998-02-19  
 [30] US (846,503) 1997-03-19

[11] **2,230,695**  
 [13] C

[51] Int.Cl. 6B62B 5/04  
 [25] EN  
 [54] HAND CART BRAKING SYSTEM  
 [54] SYSTEME DE FREINAGE POUR CHARrette A BRAS  
 [72] WYSE, GENE, US  
 [73] WYSE, GENE, US  
 [22] 1998-03-02

[11] **2,231,803**  
 [13] C

[51] Int.Cl. 6A61K 35/56  
 [25] EN  
 [54] LIPID EXTRACT HAVING ANTI-INFLAMMATORY ACTIVITY  
 [54] EXTRAIT LIPIDIQUE POSSEDEANT UNE ACTIVITE ANTI-INFLAMMATOIRE  
 [72] KALAFATIS, NICOLETTE, AU  
 [72] MACRIDES, THEODORE, AU  
 [73] PHARMALINK INTERNATIONAL LIMITED, VG  
 [85] 1998-03-11  
 [86] 1996-09-10 (PCT/AU1996/000564)  
 [87] (WO1997/009992)  
 [30] AU (PN 5311/95) 1995-09-11

[11] **2,232,611**  
 [13] C

[51] Int.Cl. 6A47F 7/024 6E05B 73/00  
 6B65H 3/04  
 [25] EN  
 [54] SECURE PNEUMATIC TOOL DISPLAY  
 [54] PRESENTOIR DE SECURITE POUR OUTILS PNEUMATIQUES  
 [72] SANCHEZ, DANIEL, US  
 [72] RICHARDSON, BRIAN, US  
 [73] CAMPBELL HAUSFELD/SCOTT FETZER CO., US  
 [85] 1998-03-19  
 [86] 1996-09-20 (PCT/US1996/015150)  
 [87] (WO1997/010740)  
 [30] US (531,523) 1995-09-21

[11] **2,234,203**  
 [13] C

[51] Int.Cl. 6G01M 17/007 6E01H 5/04  
 [25] EN  
 [54] APPARATUS AND METHOD FOR TESTING SNOW REMOVAL EQUIPMENT  
 [54] DISPOSITIF ET METHODE D'ESSAI POUR MATERIEL D'ENLEVEMENT DE LA NEIGE  
 [72] STRUCK, JOHN M., US  
 [72] WENDORFF, TERRY C., US  
 [73] SNO-WAY INTERNATIONAL, INC., US  
 [22] 1998-04-03  
 [30] US (08/832,914) 1997-04-04

[11] **2,234,781**  
 [13] C

[51] Int.Cl. 6B23K 37/00 6F02M 37/00  
 6B60K 15/04  
 [25] EN  
 [54] FUEL TANK FILLER ASSEMBLY FOR ENGINE DRIVEN WELDER  
 [54] ENSEMBLE DE REMPLISSAGE DE RESERVOIR DE CARBURANT POUR SOUDEUSE A MOTEUR  
 [72] PETERS, MARK E., US  
 [72] TRINKNER, MICHAEL J., US  
 [72] RADTKE, DAVID E., US  
 [73] ILLINOIS TOOL WORKS INC., US  
 [22] 1998-04-15  
 [30] US (08/853,053) 1997-05-08

[11] **2,234,800**  
 [13] C

[51] Int.Cl. 6B27L 11/02  
 [25] EN  
 [54] KNIFE SUPPORTING STRUCTURE  
 [54] PORTE-LAMES  
 [72] STAGER, BRAD R., US  
 [73] KEY KNIFE, INC., US  
 [22] 1998-04-14  
 [30] US (08/904,968) 1997-07-30

[11] **2,234,885**  
 [13] C

[51] Int.Cl. 6B66F 17/00 6B66F 1/06  
 [25] EN  
 [54] SAFETY LOCKING MECHANISM FOR A MECHANICAL LIFTING JACK  
 [54] MECANISME DE VERROUILLAGE DE SURETE POUR UN VERIN D'ELEVATION MECANIQUE  
 [72] BOULANGER, DAVID M., CA  
 [73] MAASDAM POW'R PULL, INC., US  
 [22] 1998-04-15

[11] **2,235,067**  
 [13] C

[51] Int.Cl. 6A61B 5/12 6H04R 25/00  
 [25] EN  
 [54] SPATIALIZATION FOR HEARING EVALUATION  
 [54] EVALUATION AUDITIVE PAR LA SPATIALISATION  
 [72] SHENNIB, ADNAN, US  
 [73] K/S HIMPP, DK  
 [85] 1998-04-16  
 [86] 1996-08-14 (PCT/US1996/013126)  
 [87] (WO1997/023117)  
 [30] US (08/580,051) 1995-12-20  
 [30] US (08/580,052) 1995-12-20

Brevets canadiens délivrés  
23 novembre 2004

---

[11] 2,235,640  
[13] C

[51] Int.Cl. 6B61K 3/02  
[25] EN  
[54] ON BOARD LUBRICATION SYSTEMS FOR LUBRICATING TOP OF RAIL FOR CARS AND RAIL GAGE SIDE/WHEEL FLANGE FOR LOCOMOTIVES  
[54] SYSTEMES DE LUBRIFICATION EMBARQUES POUR LUBRIFIER LE DESSUS DES RAILS POUR LES VOITURES ET LE COTE INTERIEUR DES RAILS/LES BOUDINS DE ROUE POUR LES LOCOMOTIVES  
[72] KUMAR, SUDHIR, US  
[73] TRANERGY CORPORATION, US  
[22] 1998-04-23  
[30] US (08/870,047) 1997-06-05

---

[11] 2,236,240  
[13] C

[51] Int.Cl. 6A01N 1/02 6A61J 1/00  
6A61M 1/00  
[25] EN  
[54] FLUID COLLECTION KIT AND METHOD  
[54] TROUSSE ET METHODE DE COLLECTE DE FLUIDES  
[72] CHARLTON, DAVID E., US  
[73] ADEZA BIOMEDICAL CORPORATION, US  
[22] 1998-04-29

---

[11] 2,237,561  
[13] C

[51] Int.Cl. 6C07D 213/22 6C07D 217/02  
6C07D 215/04 6C23F 11/14  
[25] EN  
[54] METAL CORROSION INHIBITOR FOR USE IN AQUEOUS ACID SOLUTIONS  
[54] INHIBITEUR DE LA CORROSION DU METAL A UTILISER DANS DES SOLUTIONS ACIDES AQUEUSES  
[72] BREZINSKI, MICHAEL M., NL  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[22] 1998-05-13  
[30] US (08/855,309) 1997-05-13

---

[11] 2,238,184  
[13] C

[51] Int.Cl. 6G06T 15/00  
[25] EN  
[54] THREE-DIMENSIONAL IMAGING SYSTEM  
[54] SYSTEME D'IMAGERIE EN TROIS DIMENSIONS  
[72] DUNNE, SHANE, CA  
[72] LARSEN, JANPETER T., CA  
[72] FENSTER, AARON, CA  
[73] LONDON HEALTH SCIENCES CENTRE, GB  
[85] 1998-05-21  
[86] 1996-11-25 (PCT/CA1996/000777)  
[87] (WO1997/020288)  
[30] US (08/562,590) 1995-11-24

---

[11] 2,238,450  
[13] C

[51] Int.Cl. 6B60B 33/04  
[25] EN  
[54] VERTICALLY ADJUSTABLE WHEEL ASSEMBLY  
[54] ROULETTE REGLABLE VERTICALEMENT  
[72] MANDEL, SHELDON W., US  
[72] HEIMS, DOUGLAS A., US  
[73] MAYTAG CORPORATION, US  
[22] 1998-05-22  
[30] US (08/869,007) 1997-06-04

---

[11] 2,240,262  
[13] C

[51] Int.Cl. 6B65D 33/24  
[25] EN  
[54] PEEL SEAL ZIPPER TAPE  
[54] RUBAN A GLISSIERE A FERMETURE PELABLE  
[72] SHARE, LAWRENCE, US  
[72] PAGNIER, GREGORY J., US  
[72] THORPE, CHARLES C., US  
[73] ILLINOIS TOOL WORKS INC., US  
[22] 1998-06-11  
[30] US (08/883,465) 1997-06-26

---

[11] 2,240,475  
[13] C

[51] Int.Cl. 6G01N 33/487 6G01N 15/02  
6G01N 33/49  
[25] EN  
[54] METHOD FOR TESTING A CELL SUSPENSION  
[54] METHODE PERMETTANT DE TESTER DES CELLULES EN SUSPENSION  
[72] SHINE, IAN BASIL, US  
[72] SHINE, THOMAS ADAM, US  
[73] SHINE, IAN BASIL, US  
[73] SHINE, THOMAS ADAM, US  
[85] 1998-06-25  
[86] 1996-12-27 (PCT/GB1996/003259)  
[87] (WO1997/024599)  
[30] GB (9526676.3) 1995-12-29

---

[11] 2,240,890  
[13] C

[51] Int.Cl. 6H01B 3/20 6H01F 27/10  
6H01F 27/12 6H01B 3/22  
[25] EN  
[54] VEGETABLE OIL BASED DIELECTRIC COOLANT  
[54] REFRIGERANT DIELECTRIQUE A BASE D'HUILE VEGETALE  
[72] MCSHANE, CHARLES PATRICK, US  
[72] CORKRAN, JERRY L., US  
[72] HARTHUN, RICHARD A., US  
[72] HOWELLS, EDGAR, GB  
[72] RAPP, KEVIN J., US  
[72] GAUGER, GARY A., US  
[73] COOPER INDUSTRIES, INC., US  
[85] 1998-06-18  
[86] 1996-12-23 (PCT/US1996/020495)  
[87] (WO1997/022977)  
[30] US (08/576,372) 1995-12-21

---

[11] 2,241,262  
[13] C

[51] Int.Cl. 6C07F 17/00  
[25] EN  
[54] PREPARATION OF BISCYCLOPENTADIENYL DIENE COMPLEXES  
[54] PREPARATION DE COMPLEXES DE BICYCLOPENTADIENYLE DIENE  
[72] TIMMERS, FRANCIS J., US  
[72] DEVORE, DAVID D., US  
[72] NEITHAMER, DAVID R., US  
[73] DOW GLOBAL TECHNOLOGIES INC., US  
[85] 1998-06-23  
[86] 1996-12-05 (PCT/US1996/019281)  
[87] (WO1997/025336)  
[30] US (60/009,684) 1996-01-03

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**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,241,475**  
 [13] C

[51] Int.Cl. 6A45D 26/00 6A61B 17/41  
 [25] EN  
 [54] BODY HAIR TREATING  
 IMPLEMENT  
 [54] DISPOSITIF DE TRAITEMENT DU  
 SYSTEME PILEUX  
 [72] HASHIMOTO, KENJI, JP  
 [73] HASHIMOTO, KENJI, JP  
 [22] 1998-06-26  
 [30] JP (9-194908) 1997-07-04

---

[11] **2,241,569**  
 [13] C

[51] Int.Cl. 6C12P 17/02  
 [25] EN  
 [54] METHODS FOR PRODUCING  
 TAXANE-TYPE DITERPENES  
 [54] METHODES POUR LA  
 PRODUCTION DE DITERPENES DE  
 TYPE TAXANE  
 [72] MATSUBARA, KOUICHI, JP  
 [72] YUKIMUNE, YUKIHIKO, JP  
 [72] HARA, YASUHIRO, JP  
 [73] MITSUI CHEMICALS INC., JP  
 [22] 1998-06-24  
 [30] JP (168708/1997) 1997-06-25  
 [30] JP (28525/1998) 1998-02-10  
 [30] JP (79366/1998) 1998-03-26

---

[11] **2,241,938**  
 [13] C

[51] Int.Cl. 6A23G 1/00 6A23G 1/04  
 [25] EN  
 [54] CHOCOLATE BEVERAGE  
 [54] BOISSON AU CHOCOLAT  
 [72] CALY, WILLIAM, US  
 [72] GULLO, RICHARD DEREK, US  
 [72] PALAG, SOLEDAD, US  
 [72] ROSSE, MARCEL, US  
 [73] SOCIETE DES PRODUITS NESTLE  
 S.A., CH  
 [85] 1998-07-14  
 [86] 1997-09-22 (PCT/EP1997/005193)  
 [87] (WO1998/014069)  
 [30] US (08/725,428) 1996-10-03

---

[11] **2,242,035**  
 [13] C

[51] Int.Cl. 6A61K 47/20 6A61K 48/00  
 6A61K 35/12 6A61K 47/16 6A61K 47/22  
 6A61K 31/70 6C12N 15/85  
 [25] EN  
 [54] COMPOSITIONS USEFUL FOR  
 TRANSFERRING THERAPEUTICALLY  
 ACTIVE SUBSTANCES INTO A  
 TARGET CELL, AND THEIR USE IN  
 GENE THERAPY  
 [54] COMPOSITIONS UTILES POUR LE  
 TRANSFERT DE SUBSTANCES  
 THERAPEUTIQUES ACTIVES DANS  
 UNE CELLULE-CIBLE, ET LEUR  
 UTILISATION EN THERAPIE  
 GENIQUE  
 [72] SCHUGHART, KLAUS, DE  
 [72] KOLBE, HANNO, FR  
 [72] BISCHOFF, RAINER, SE  
 [73] TRANSGENE, FR  
 [22] 1998-06-30  
 [30] FR (97 08267) 1997-07-01  
 [30] FR (97 12950) 1997-10-16

---

[11] **2,242,620**  
 [13] C

[51] Int.Cl. 6F41H 11/12  
 [25] EN  
 [54] SYSTEM FOR LOCALIZING AND  
 IDENTIFYING MINES  
 [54] DISPOSITIF PERMETTANT DE  
 LOCALISER DES MINES ET DE LES  
 IDENTIFIER  
 [72] NYFELT, LEIF, SE  
 [73] NEW SWEDE CONSTRUCTION AB,  
 SE  
 [85] 1998-07-09  
 [86] 1997-01-21 (PCT/SE1997/000090)  
 [87] (WO1997/027445)  
 [30] SE (9600224-1) 1996-01-22

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[11] **2,243,221**  
 [13] C

[51] Int.Cl. 6B65D 65/40 6B32B 7/06  
 6B65D 53/06 6B65D 65/22  
 [25] EN  
 [54] PACKAGING AND LIDDING  
 MATERIAL  
 [54] MATERIAU D'EMBALLAGE ET  
 D'OPERCULAGE  
 [72] PARMENTIER, RENE, FR  
 [72] WEBER, GREGOIRE, FR  
 [72] GRIBLING, RAYMOND, FR  
 [72] MARBLER, CLAUDE A., FR  
 [73] ALCAN TECHNOLOGY &  
 MANAGEMENT AG, CH  
 [22] 1998-07-14  
 [30] EP (97810503.9) 1997-07-17

[11] **2,243,417**  
 [13] C

[51] Int.Cl. 6B65D 23/08 6G09F 23/00  
 6G09F 23/06 6B65D 25/36  
 [25] EN  
 [54] REMOVABLE DISPLAY SURFACE  
 [54] SUPPORT D'AFFICHAGE  
 AMOVIBLE  
 [72] RICHARDS, ERIC W., US  
 [73] RICHARDS, ERIC W., US  
 [22] 1998-07-20  
 [30] US (08/897,749) 1997-07-21

---

[11] **2,243,860**  
 [13] C

[51] Int.Cl. 6A61K 7/42 6A61K 7/06  
 [25] FR  
 [54] COMPOSITIONS  
 PHOTOPROTECTRICES  
 COMPRENANT UN BENZYLIDENE  
 CAMPHRE ET/OU UN  
 DIBENZOYLMETHANE ET/OU UNE  
 TRIAZINE ET UN TARTRATE DE  
 DIALKYLE ; UTILISATIONS EN  
 COSMETIQUE  
 [54] PHOTOPROTECTIVE  
 COMPOUNDS COMPRISING ONE  
 BENZYLIDENE CAMPHOR AND/OR  
 ONE DIBENZOYLMETHANE AND/OR  
 ONE TRIAZINE AND ONE  
 DIALKYLTARTRATE; USED IN  
 COSMETICS  
 [72] REFREGIER, JEAN-LOUIS, FR  
 [72] HANSENNE, ISABELLE, FR  
 [72] JOSSO, MARTIN, FR  
 [73] L'OREAL, FR  
 [22] 1998-09-08  
 [30] FR (97 11 173) 1997-09-09

---

[11] **2,244,598**  
 [13] C

[51] Int.Cl. 6C10G 21/06 6C10G 55/04  
 [25] EN  
 [54] METHOD OF AND MEANS FOR  
 UPGRADING HYDROCARBONS  
 CONTAINING METALS AND  
 ASPHALTENES  
 [54] METHODES ET MOYENS POUR  
 AMELIORER DES HYDROCARBURES  
 CONTENANT DES METAUX ET DES  
 ASPHALTENES  
 [72] HOOD, RICHARD L., US  
 [72] GOLDSTEIN, RANDALL S., US  
 [72] RETTGER, PHILIP B., US  
 [72] BRONICKI, LUCIEN Y., IL  
 [72] DORON, BENJAMIN, IL  
 [72] SINAI, JOSEPH, IL  
 [73] ORMAT INDUSTRIES LTD., IL  
 [22] 1998-08-07  
 [30] US (08/910,102) 1997-08-13

Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,244,876  
[13] C

[51] Int.Cl. 6D21H 23/28  
[25] EN  
[54] WET END STARCH APPLICATION  
[54] APPLICATION D'AMIDON A LA  
PARTIE HUMIDE D'UNE MACHINE A  
PAPIER  
[72] PARISIAN, JOSEPH E., III, US  
[72] TAYLOR, JOHN A., US  
[72] DIDWANIA, HANUMAN P., US  
[72] FOULGER, MARCUS F., US  
[73] JEFFERSON SMURFIT  
CORPORATION, US  
[73] GL&V-PAPER MACHINE GROUP,  
INC., CA  
[85] 1998-07-31  
[86] 1997-02-06 (PCT/US1997/001975)  
[87] (WO1997/029238)  
[30] US (08/597,828) 1996-02-07

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[11] 2,245,482  
[13] C

[51] Int.Cl. 6C07J 9/00 6A23D 7/01 6A23D  
9/013  
[25] EN  
[54] PROCESS FOR THE  
PREPARATION OF STANOL ESTERS,  
AND USE THEREOF  
[54] METHODE DE PREPARATION  
D'ESTERS DE STANOL; LEUR  
UTILISATION  
[72] AMERONGEN, MARNIX P. VAN, NL  
[72] LIEVENSE, LOURUS CORNELIS, BR  
[73] UNILEVER PLC, GB  
[22] 1998-08-21  
[30] GB (97202597.7) 1997-08-22

---

[11] 2,245,766  
[13] C

[51] Int.Cl. 6A61K 7/42 6A61K 31/12  
[25] EN  
[54] COMPOSITIONS USEFUL IN THE  
PHOTOTHERAPEUTIC TREATMENT  
OF PROLIFERATIVE SKIN  
DISORDERS  
[54] COMPOSITIONS POUR  
PHOTOTHERAPIE DES TROUBLES  
CUTANES PROLIFERANTS  
[72] LENTINI, PETER J., US  
[73] ESTEE LAUDER INC., US  
[85] 1998-08-07  
[86] 1997-02-06 (PCT/US1997/001949)  
[87] (WO1997/028784)  
[30] US (08/598,297) 1996-02-08

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[11] 2,246,190  
[13] C

[51] Int.Cl. 6E04D 3/30 6B26B 17/02  
6E04D 15/04  
[25] EN  
[54] TOOL FOR PREPARING PANEL  
CLOSURES FOR INSTALLATION ON  
METAL ROOF PANELS  
[54] OUTIL POUR LA MISE EN PLACE  
DE FERMETURES POUR JOINTS DE  
COUVERTURES EN PANNEAUX DE  
METAL  
[72] BOELL, ALAN RICHARD, US  
[72] MCCLURE, RICHARD R., US  
[73] BUTLER MANUFACTURING  
COMPANY, INC., US  
[22] 1998-09-01  
[30] US (08/922,367) 1997-09-03

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[11] 2,246,298  
[13] C

[51] Int.Cl. 6G01R 33/44 6G01N 24/08  
6G01V 3/32 6G01R 33/50  
[25] EN  
[54] MULTIPLE FREQUENCY  
METHOD FOR NUCLEAR MAGNETIC  
RESONANCE LONGITUDINAL  
RELAXATION MEASUREMENT AND  
PULSING SEQUENCE FOR POWER  
USE OPTIMIZATION  
[54] METHODE D'UTILISATION DE  
FREQUENCES MULTIPLES POUR  
MESURER LA RELAXATION  
LONGITUDINALE PAR RESONANCE  
MAGNETIQUE NUCLEAIRE ET  
SEQUENCE DE PULSATION  
PERMETTANT D'OPTIMISER  
L'UTILISATION D'ENERGIE  
[72] TAICHER, GERSH ZVI, US  
[72] REIDERMAN, ARCADY, US  
[73] WESTERN ATLAS  
INTERNATIONAL, INC., US  
[22] 1998-09-02  
[30] US (08/942,123) 1997-10-01

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[11] 2,246,518  
[13] C

[51] Int.Cl. 6H04B 15/00 6H04Q 7/22  
[25] EN  
[54] METHOD TO PROTECT AGAINST  
INTERFERENCE FROM MOBILE  
RADIOS  
[54] METHODE DE PROTECTION  
CONTRE LE BROUILLAGE  
PROVENANT DE SYSTEMES RADIO  
MOBILES  
[72] STEER, DAVID, CA  
[72] TEO, KOON HOO, CA  
[73] NORTEL NETWORKS LIMITED, CA  
[22] 1998-09-04  
[30] US (08/957,025) 1997-10-24

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[11] 2,247,177  
[13] C

[51] Int.Cl. 6G01N 33/576 6C12Q 1/37  
6G01N 33/573  
[25] EN  
[54] METHODS FOR DETECTING  
ANTIBODIES TO HAV 3C PROTEINASE  
[54] PROCEDES DE DETECTION  
D'ANTICORPS CONTRE LA  
PROTEINASE 3C DU VIRUS DE  
L'HEPATITE A  
[72] STEWART, DENNEEN, US  
[72] EMERSON, SUZANNE U., US  
[72] SCHULTHEISS, TINA, US  
[72] PURCELL, ROBERT H., US  
[73] THE GOVERNMENT OF THE  
UNITED STATES OF AMERICA,  
REPRESENTED BY THE SECRETARY,  
DEPARTMENT OF HEALTH AND  
HUMAN SERVICES, US  
[85] 1998-08-20  
[86] 1997-03-13 (PCT/US1997/003428)  
[87] (WO1997/034136)  
[30] US (60/013,333) 1996-03-13

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[11] 2,247,913  
[13] C

[51] Int.Cl. 6H04Q 7/38 6H04Q 7/22  
[25] EN  
[54] METHOD AND APPARATUS FOR  
ENHANCING CALL SET-UP AND  
HANDOFF QUALITY  
[54] PROCEDE ET DISPOSITIF  
D'AMELIORATION DE LA QUALITE  
D'ETABLISSEMENT ET DE  
TRANSFERT D'UN APPEL  
[72] GUIMONT, VINCENT, CA  
[73] TELEFONAKTIEBOLAGET LM  
ERICSSON, SE  
[85] 1998-08-31  
[86] 1997-02-26 (PCT/SE1997/000327)  
[87] (WO1997/033449)  
[30] US (08/610,425) 1996-03-04

---

**Canadian Patents Issued**  
**November 23, 2004**

---

[11] **2,248,904**  
[13] C

[51] Int.Cl. 6A61F 2/06  
[25] EN  
[54] YARN WRAPPED PTFE TUBULAR PROSTHESIS  
[54] PROTHESE TUBULAIRE DE PTFE ENVELOPPEE DE FILASSE  
[72] LENTZ, DAVID J., US  
[72] POPADIUK, NICK, US  
[72] SCHMITT, PETER, US  
[72] ZDRAHALA, RICHARD J., US  
[72] DORMIER, EDWARD J., US  
[73] MEADOX MEDICALS, INC., US  
[85] 1998-09-11  
[86] 1997-03-13 (PCT/US1997/003901)  
[87] (WO1997/033533)  
[30] US (08/616,047) 1996-03-14

---

[11] **2,249,307**  
[13] C

[51] Int.Cl. 6F02B 59/00  
[25] EN  
[54] MIGRATING COMBUSTION CHAMBER ENGINE  
[54] MOTEUR A CHAMBRE DE COMBUSTION FLOTTANTE  
[72] ERICKSON, FREDERICK L., US  
[72] ERICKSON, FREDERICK LYNN, US  
[72] ERICKSON, JEFFREY L., US  
[73] ENGINE RESEARCH ASSOCIATES, INC., US  
[85] 1998-09-18  
[86] 1997-03-25 (PCT/US1997/004861)  
[87] (WO1997/038215)  
[30] US (08/628,998) 1996-04-10

---

[11] **2,250,098**  
[13] C

[51] Int.Cl. 6H02J 7/10 6H02J 7/04  
[25] EN  
[54] METHOD AND APPARATUS FOR CHARGING BATTERIES  
[54] PROCEDE ET APPAREIL PERMETTANT DE CHARGER LES BATTERIES  
[72] FIELD, ROBERT B., CA  
[72] PAVLOVIC, VLADIMIR S., CA  
[72] NOR, JIRI K., CA  
[73] EDISON SOURCE, US  
[85] 1998-09-23  
[86] 1997-02-28 (PCT/CA1997/000153)  
[87] (WO1997/036359)  
[30] US (08/621,930) 1996-03-26

---

[11] **2,250,145**  
[13] C

[51] Int.Cl. 6H01J 49/02  
[25] EN  
[54] RECIRCULATING FILTRATION SYSTEM FOR USE WITH A TRANSPORTABLE ION MOBILITY SPECTROMETER  
[54] SYSTEME DE FILTRATION A RECIRCULATION POUR SPECTROMETRE DE MOBILITE IONIQUE PORTABLE  
[72] TARASSOV, ALEXANDRE S., US  
[72] UBER, ROBERT E., US  
[72] KOUZNETSOV, VIKTOR, US  
[72] PERTINARIDES, JOHN M. A., US  
[72] PIPICH, CHARLES W., US  
[72] CARNAHAN, BYRON L., US  
[73] MINE SAFETY APPLIANCES COMPANY, US  
[85] 1998-09-22  
[86] 1997-04-04 (PCT/US1997/005641)  
[87] (WO1997/038302)  
[30] US (08/627,584) 1996-04-04  
[30] US (08/628,147) 1996-04-04

---

[11] **2,250,330**  
[13] C

[51] Int.Cl. 6H04L 27/20 6H04B 7/216 6H04B 1/69  
[25] EN  
[54] BALANCED TRANSVERSAL I,Q FILTERS FOR QUADRATURE MODULATORS  
[54] FILTRES TRANSVERSAUX I ET Q EQUILIBRES POUR MODULATEURS D'AMPLITUDE EN QUADRATURE  
[72] DENT, PAUL W., US  
[73] ERICSSON, INC., US  
[85] 1998-09-16  
[86] 1997-03-13 (PCT/US1997/003803)  
[87] (WO1997/035411)  
[30] US (08/620,843) 1996-03-20

---

[11] **2,250,782**  
[13] C

[51] Int.Cl. 6F16H 3/44  
[25] EN  
[54] OFFSET TRANSFER CASE  
[54] BOITIER DE TRANSFERT EXCENTRE  
[72] BRISSENDEN, JAMES S., US  
[72] PRITCHARD, LARRY A., US  
[72] AHLUWALIA, PARVINDER, US  
[72] ZALEWSKI, JOHN D., US  
[73] NEW VENTURE GEAR, INC., US  
[85] 1998-09-30  
[86] 1997-03-31 (PCT/US1997/005252)  
[87] (WO1997/037152)  
[30] US (60/014,695) 1996-04-02  
[30] US (08/816,022) 1997-03-11

---

[11] **2,254,845**  
[13] C

[51] Int.Cl. 6B07B 1/10 6B01D 33/04 6B01D 33/46 6B01D 33/50 6B07B 1/52 6B07B 1/55  
[25] EN  
[54] GUMBO SEPARATOR  
[54] SEPARATEUR DE GUMBO  
[72] KROON, SCOTT M., US  
[72] BAKULA, JOHN J., US  
[73] DERRICK CORPORATION, US  
[85] 1998-11-17  
[86] 1996-12-05 (PCT/US1996/019470)  
[87] (WO1997/046327)  
[30] US (08/661,395) 1996-06-07

---

[11] **2,255,111**  
[13] C

[51] Int.Cl. 6B66F 11/04 6B60T 7/12 6B60T 17/18  
[25] EN  
[54] AERIAL WORK PLATFORM WITH POTHOLE AND/OR OBSTACLE DETECTION AND AVOIDANCE SYSTEM  
[54] PLATE-FORME ELEVATRICE AVEC SYSTEME DE DETECTION ET D'EVITEMENT DE NID-DE-POULE ET/OU D'OBSTACLES  
[72] ECKSTINE, DENNIS W., US  
[72] BANKS, WILLIAM W., US  
[73] GROVE U.S. L.L.C., US  
[22] 1998-12-03  
[30] US (60/067,815) 1997-12-05  
[30] US (60/069,055) 1997-12-10

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Brevets canadiens délivrés  
23 novembre 2004

[11] 2,255,299  
[13] C

[51] Int.Cl. 6E21B 7/08  
[25] EN  
[54] APPARATUS FOR CONTROLLING RELATIVE ROTATION  
[54] APPAREIL POUR CONTROLE LA ROTATION RELATIVE  
[72] GRAY, BENJAMIN C., CA  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[22] 1998-12-09  
[30] US (09/005,596) 1998-01-09

[11] 2,255,340  
[13] C

[51] Int.Cl. 6D21F 1/80 6D03D 15/00  
6B32B 27/02 6B32B 5/06 6B32B 27/08  
[25] EN  
[54] METHOD FOR IMPROVING THE CLEANABILITY OF COATED BELTS WITH A NEEDLED WEB ON THE INSIDE SURFACE  
[54] METHODE POUR AMELIORER LA NETTOYABILITE DE CEINTURES REVETUES AVEC UNE BANDE AIGUILLETEE DANS LA FACE INTERNE  
[72] CRAWFORD, KAREN L., US  
[72] MILLER, LAWRENCE G., US  
[72] SALITSKY, JOSEPH, US  
[73] ALBANY INTERNATIONAL CORP., US  
[22] 1998-12-10  
[30] US (09/106,656) 1998-06-29

[11] 2,255,929  
[13] C

[51] Int.Cl. 6F16K 1/46  
[25] EN  
[54] PROTECTED SOFT SEAT WITH SECONDARY HARD SEAT  
[54] SIEGE MOU PROTEGE ET PRESENTANT UN SECOND SIEGE DUR  
[72] MERWALD, EDWARD JOHN, US  
[72] BARRON, KIMBALL RALPH, US  
[73] FISHER CONTROLS INTERNATIONAL LLC, US  
[85] 1998-11-20  
[86] 1997-01-15 (PCT/US1997/000845)  
[87] (WO1997/044604)  
[30] US (08/652,827) 1996-05-23

[11] 2,257,026  
[13] C

[51] Int.Cl. 6H04Q 3/42 6H04N 7/16  
[25] EN  
[54] MULTIMEDIA PRIVATE BRANCH EXCHANGER AND PRIVATE BRANCH EXCHANGE SYSTEM  
[54] AUTOCOMMUTATEUR PRIVE MULTIMEDIA ET SYSTEME D'AUTOCOMMUTATION PRIVE  
[72] ASADA, HIROSHI, JP  
[72] FUNATO, YASUO, JP  
[73] KABUSHIKI KAISHA TOSHIBA, JP  
[22] 1998-12-30  
[30] JP (10-002415) 1998-01-08

[11] 2,257,248  
[13] C

[51] Int.Cl. 6B65D 81/107 6B65B 61/00  
6B65D 81/05  
[25] EN  
[54] INFLATED DUNNAGE AND METHOD FOR ITS PRODUCTION  
[54] MATERIAU DE PROTECTION GONFLE ET SON PROCEDE DE FABRICATION  
[72] ROWE, DAVID L., US  
[72] ROWE, E. RILEY, US  
[72] HOOVER, GREGORY A., US  
[72] HOOVER, ROGER A., US  
[73] AUTOMATED PACKAGING SYSTEMS, INC., US  
[85] 1998-12-04  
[86] 1996-08-30 (PCT/US1996/013722)  
[87] (WO1997/046453)  
[30] US (08/659,576) 1996-06-06

[11] \* 2,258,138  
[13] C

[51] Int.Cl. 6G08G 1/0962 6B60K 15/00  
6G08G 1/127  
[25] EN  
[54] METHOD AND APPARATUS FOR FUEL MANAGEMENT AND FOR PREVENTING FUEL SPILLAGE  
[54] METHODE ET DISPOSITIF DE GESTION DE CARBURANT ET DE PREVENTION DES DEVERSEMENTS  
[72] VON GUEFELD, ROBERT JACOB, US  
[72] KANE, WILLIAM FRANCIS, US  
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 1999-01-06  
[30] US (09/033,734) 1998-03-03

[11] 2,259,536  
[13] C

[51] Int.Cl. 6C08G 63/189 6C08L 67/02  
6C08J 5/18 6C08G 63/19 6G03C 1/795  
[25] EN  
[54] BIAXIALLY ORIENTED POLYETHYLENE NAPHTHALATE COPOLYMER FILM  
[54] FILM DE COPOLYMER DE NAPHTALATE DE POLYETHYLENE A ORIENTATION BIAXIALE  
[72] TERAMOTO, MITSURU, JP  
[72] ITO, SEIJI, JP  
[72] KOSUGE, MASAHIKO, JP  
[72] TSUKAMOTO, RYOJI, JP  
[73] TEIJIN LIMITED, JP  
[85] 1999-01-05  
[86] 1998-05-01 (PCT/JP1998/002002)  
[87] (WO1998/050456)  
[30] JP (9/115572) 1997-05-06  
[30] JP (9/173799) 1997-06-30  
[30] JP (9/232431) 1997-08-28

[11] 2,260,835  
[13] C

[51] Int.Cl. 6A23K 1/16 6A61K 39/395  
[25] EN  
[54] METHOD OF IMPROVING THE GROWTH OR THE EFFICIENCY OF FEED CONVERSION OF AN ANIMAL AND COMPOSITIONS FOR USE THEREIN  
[54] PROCEDE D'AMELIORATION DE LA CROISSANCE D'UN ANIMAL OU DE L'INDICE DE CONVERSION DES ALIMENTS CHEZ UN ANIMAL ET COMPOSITIONS UTILISEES SELON CE PROCEDE  
[72] COOK, MARK E., US  
[72] JEROME, DARIA L., US  
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US  
[85] 1999-01-19  
[86] 1997-01-21 (PCT/US1997/001034)  
[87] (WO1998/003081)  
[30] US (08/684,785) 1996-07-22

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,261,129**  
[13] C

[51] Int.Cl. 6H01S 3/22  
[25] EN  
[54] ELECTROSTATIC PRECIPITATOR FOR A GAS DISCHARGE LASER  
[54] FILTRE ELECTROSTATIQUE POUR LASER A GAZ  
[72] CULLUMBER, DAVID I., US  
[73] VISX INCORPORATED, US  
[85] 1999-01-15  
[86] 1997-07-29 (PCT/US1997/012957)  
[87] (WO1998/005106)  
[30] US (08/688,715) 1996-07-31

---

[11] **2,261,677**  
[13] C

[51] Int.Cl. 6D21D 5/24  
[25] EN  
[54] THROUGH-FLOW CLEANER WITH IMPROVED INLET SECTION  
[54] DISPOSITIF DE NETTOYAGE A ECOULEMENT DOTE D'UNE SECTION D'ADMISSION PERFECTIONNEE  
[72] MCCARTHY, CHRISTOPHER E., US  
[73] KADANT BLACK CLAWSON INC., US  
[85] 1999-01-27  
[86] 1997-07-29 (PCT/US1997/013220)  
[87] (WO1998/004356)  
[30] US (08/688,398) 1996-07-30

---

[11] **2,262,383**  
[13] C

[51] Int.Cl. 6C08G 18/80 6C09D 5/03  
6C09D 175/04  
[25] FR  
[54] COMPOSITION UTILE POUR L'OBTENTION DE REVETEMENT MAT OU SATINE, UTILISATION DE CETTE COMPOSITION ET REVETEMENT AINSI OBTENU  
[54] COMPOSITION FOR OBTAINING A MAT OR GLOSSY COATING, USE OF THIS COMPOSITION AND RESULTING COATING  
[72] WILLIAMS, FRANCIS JOHN, ES  
[72] ARDAUD, PIERRE, FR  
[73] RESISA (RESINAS SINTETICAS S.A.), ES  
[73] RHODIA CHIMIE, FR  
[85] 1999-01-26  
[86] 1997-07-30 (PCT/FR1997/001421)  
[87] (WO1998/004608)  
[30] EP (96401703.2) 1996-07-30

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[11] **2,263,539**  
[13] C

[51] Int.Cl. 6G01S 13/89 6G03H 5/00  
6G01N 23/20  
[25] EN  
[54] REAL-TIME WIDEBAND CYLINDRICAL HOLOGRAPHIC SURVEILLANCE SYSTEM  
[54] SYSTEME DE SURVEILLANCE HOLOGRAPHIQUE CYLINDRIQUE A LARGE BANDE ET A TEMPS REEL  
[72] SHEEN, DAVID M., US  
[72] SEVERTSEN, RONALD H., US  
[72] MCMAKIN, DOUGLAS L., US  
[72] HALL, THOMAS E., US  
[73] BATTELLE MEMORIAL INSTITUTE, US  
[85] 1999-02-16  
[86] 1997-09-05 (PCT/US1997/015723)  
[87] (WO1998/011453)  
[30] US (08/714,026) 1996-09-11

---

[11] **2,263,545**  
[13] C

[51] Int.Cl. 6A44B 19/36 6B29D 5/00  
6B65D 33/25  
[25] EN  
[54] CONFORMING END STOPS FOR A PLASTIC ZIPPER  
[54] BUTEES D'ARRET CONFORMES DESTINEES A UNE FERMETURE A GLISSIERE EN PLASTIQUE  
[72] CATCHMAN, VERNON C., US  
[72] BRYNIARSKI, DAVID A., US  
[72] DOBRESKI, DAVID V., US  
[72] MC MANUS, MICHAEL W., US  
[73] PACTIV CORPORATION, US  
[85] 1999-02-15  
[86] 1997-08-14 (PCT/US1997/014301)  
[87] (WO1998/006292)  
[30] US (08/698,955) 1996-08-16

---

[11] **2,263,719**  
[13] C

[51] Int.Cl. 6G06T 1/00 6G06K 15/00  
[25] EN  
[54] HIGH RESOLUTION REAL TIME RASTER IMAGE PROCESSING SYSTEM AND METHOD  
[54] SYSTEME ET PROCEDE DE TRAITEMENT EN TEMPS REEL DE TRAME-IMAGE A HAUTE RESOLUTION  
[72] KERNIN, KEVIN P., JR., US  
[72] TREIS, ANTHONY L., US  
[72] CYMAN, THEODORE F., US  
[72] RECCHIONE, ROBERT J., US  
[73] MOORE WALLACE NORTH AMERICA, INC., US  
[85] 1999-02-18  
[86] 1997-09-02 (PCT/US1997/015350)  
[87] (WO1998/011503)  
[30] US (08/709,848) 1996-09-10

---

[11] **2,263,920**  
[13] C

[51] Int.Cl. 6H05B 37/00 6H01S 3/103  
6G01S 7/484  
[25] EN  
[54] PRE-BIASING TECHNIQUE FOR A TRANSISTOR BASED AVALANCHE CIRCUIT  
[54] TECHNIQUE DE PRE-POLARISATION POUR CIRCUIT A AVALANCHE A TRANSISTORS  
[72] DUNNE, JEREMY G., US  
[73] LASER TECHNOLOGY, INC., US  
[73] KAMA-TECH (HK) LIMITED, CN  
[85] 1999-02-23  
[86] 1997-08-21 (PCT/US1997/014143)  
[87] (WO1998/008051)  
[30] US (08/702,365) 1996-08-23

Brevets canadiens délivrés  
23 novembre 2004

---

[11] 2,263,933  
[13] C

[51] Int.Cl. 6A61F 2/02 6A61L 27/00  
6A61F 2/28 6A61B 17/80  
[25] EN  
[54] RESORBABLE, MACRO-POROUS,  
NON-COLLAPSING AND FLEXIBLE  
MEMBRANE BARRIER FOR  
SKELETAL REPAIR AND  
REGENERATION  
[54] BARRIERE A MEMBRANE  
FLEXIBLE NON REPLIABLE,  
RESORBABLE ET MACROPOREUSE  
POUR LA REPARATION ET LE  
REGENERATION DU SQUELETTE  
[72] LEMPERLE, STEFAN M., US  
[72] CALHOUN, CHRISTOPHER J., US  
[73] MACROPORE, INC., US  
[85] 1999-02-18  
[86] 1997-08-05 (PCT/US1997/013695)  
[87] (WO1998/007384)  
[30] US (08/699,673) 1996-08-19

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[11] 2,264,512  
[13] C

[51] Int.Cl. 6E04G 17/00 6E04G 11/00  
[25] EN  
[54] CONCRETE FORM MEMBER  
[54] PIECE DE COFFRAGE A BETON  
[72] HAYAKAWA, YOSHIYUKI, JP  
[73] HAYAKAWA, YOSHIYUKI, JP  
[22] 1999-03-04  
[30] JP (10-65246) 1998-03-16

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[11] 2,264,614  
[13] C

[51] Int.Cl. 6H02J 9/06  
[25] EN  
[54] METHODS AND APPARATUS FOR  
PROVIDING STARTUP POWER TO A  
GENSET-BACKED  
UNINTERRUPTIBLE POWER SUPPLY  
[54] PROCEDES ET APPAREILS  
DESTINES A FOURNIR UN COURANT  
DE DEMARRAGE A UNE  
ALIMENTATION ELECTRIQUE  
ININTERROMPUE ASSISTEE PAR UN  
GENSET  
[72] PINKERTON, JOSEPH F., US  
[73] ACTIVE POWER, INC., US  
[85] 1999-03-08  
[86] 1997-09-09 (PCT/US1997/015956)  
[87] (WO1998/010503)  
[30] US (08/709,578) 1996-09-09

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[11] 2,264,817  
[13] C

[51] Int.Cl. 6B30B 11/24 6B30B 9/30  
[25] EN  
[54] COMPACTION METHODS AND  
APPARATUS  
[54] PROCEDES ET APPAREIL DE  
COMPACTAGE  
[72] HAMILTON, ROBIN, GB  
[73] HAMILTON, ROBIN, GB  
[85] 1999-03-03  
[86] 1997-09-05 (PCT/GB1997/002387)  
[87] (WO1998/009801)  
[30] GB (9618465.0) 1996-09-05

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[11] 2,265,244  
[13] C

[51] Int.Cl. 6G07F 1/06  
[25] EN  
[54] TOKEN HAVING  
PREDETERMINED OPTICAL  
CHARACTERISTICS  
[54] JETON AYANT DES  
CARACTERISTIQUES OPTIQUES  
PREDETERMINEES  
[72] JUDS, SCOTT, US  
[72] DAUTERMAN, DAVE, US  
[73] IDX, INC., US  
[22] 1999-03-11  
[30] US (09/041,297) 1998-03-12

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[11] 2,265,587  
[13] C

[51] Int.Cl. 6A61K 31/40 6A61K 39/00  
6A61K 39/02 6A61K 38/19 6A61K 39/21  
6A61K 39/35 6G01N 33/569 6G01N 33/574  
[25] EN  
[54] CYANIDIN COMPOSITIONS AND  
THERAPEUTIC AND DIAGNOSTIC  
USES THEREFOR  
[54] COMPOSITIONS DE CYANIDINE  
ET LEURS USAGES  
THERAPEUTIQUES ET  
DIAGNOSTIQUES  
[72] VAN DE WINKEL, JAN G. J., NL  
[73] MEDAREX, INC., US  
[85] 1999-03-05  
[86] 1997-09-02 (PCT/US1997/015426)  
[87] (WO1998/009647)  
[30] US (08/709,411) 1996-09-06

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[11] 2,266,059  
[13] C

[51] Int.Cl. 6B23K 35/363  
[25] EN  
[54] SOLDERLESS ALUMINUM  
BRAZING  
[54] BRASAGE D'ALUMINIUM SANS  
METAL D'APPORT  
[72] BELT, HEINZ-JOACHIM, DE  
[72] BORN, THOMAS, DE  
[73] SOLVAY FLUOR UND DERIVATE  
GMBH, DE  
[85] 1999-03-11  
[86] 1997-09-06 (PCT/EP1997/004851)  
[87] (WO1998/010887)  
[30] DE (196 36 897.9) 1996-09-11

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[11] 2,267,868  
[13] C

[51] Int.Cl. 6H04B 17/00 6H04B 10/08  
6H04B 10/12 6H04B 10/20  
[25] EN  
[54] REMOTE DATA NETWORK  
ACCESS IN A COMMUNICATION  
NETWORK UTILIZING OVERHEAD  
CHANNELS  
[54] ACCES A DISTANCE A UN  
RESEAU DE DONNEES INTEGRE A UN  
RESEAU DE COMMUNICATION  
UTILISANT DES CANAUX  
AUXILIAIRES  
[72] KONG, TAI-BAI, US  
[72] LINDHOLM, WAYNE D., US  
[72] DOMBROWSKI, JOHN J., US  
[73] AT&T CORP., US  
[22] 1999-03-31  
[30] US (09/056,171) 1998-04-07

---

[11] 2,268,109  
[13] C

[51] Int.Cl. 6B07C 5/342  
[25] EN  
[54] HIGH THROUGHPUT SORTING  
SYSTEM  
[54] SYSTEME DE TRI HAUTE  
CAPACITE  
[72] EASON, NEAL P., US  
[73] SRC VISION, INC., US  
[85] 1999-04-07  
[86] 1997-09-30 (PCT/US1997/017685)  
[87] (WO1998/015360)  
[30] US (08/728,615) 1996-10-10

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**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,269,880**  
 [13] C

[51] Int.Cl. 6C09D 5/14  
 [25] EN  
**BIOCIDAL COATING COMPOSITION**  
**COMPOSITION D'ENDUIT**  
**BIOCIDALE**  
 [72] MALLOW, WILLIAM A., US  
 [72] GLYNSON, BRYAN, US  
 [72] ROGERS, LARRY, US  
 [73] ALISTAGEN CORPORATION, US  
 [85] 1999-04-23  
 [86] 1997-04-28 (PCT/US1997/007162)  
 [87] (WO1997/042269)  
 [30] US (08/646,078) 1996-05-09

---

[11] **2,270,418**  
 [13] C

[51] Int.Cl. 6G01S 1/38  
 [25] EN  
**MICROWAVE ENERGY IMPLEMENTED AIRCRAFT LANDING SYSTEM**  
**[54] SYSTEME D'ATERRISSAGE D'AERONEFS A ENERGIE HYPERFREQUENCES**  
 [72] RIDPATH, GEORGE F., US  
 [72] CHAPMAN, AUBREY I., US  
 [73] FOCUSED ENERGY HOLDING INC., US  
 [85] 1999-04-30  
 [86] 1997-09-02 (PCT/US1997/015452)  
 [87] (WO1998/010305)  
 [30] US (08/709,466) 1996-09-03

---

[11] **2,271,045**  
 [13] C

[51] Int.Cl. 6B23B 31/107  
 [25] EN  
**CLAMPING CHUCK FOR ROTATING TOOLS**  
**[54] MANDRIN DE SERRAGE POUR OUTILS ROTATIFS**  
 [72] PREY, MARTIN, DE  
 [72] MULLER, GEBHARD, DE  
 [72] SCHUFFENHAUER, MICHAEL, DE  
 [73] KENNAMETAL INC., US  
 [85] 1999-04-30  
 [86] 1998-03-20 (PCT/EP1998/001645)  
 [87] (WO1998/047649)  
 [30] DE (197 17 005.6) 1997-04-23

---

[11] **2,273,557**  
 [13] C

[51] Int.Cl. 6B23K 9/10  
 [25] EN  
**METHOD AND APPARATUS FOR PRODUCING WELDING POWER**  
**[54] METHODE ET APPAREIL D'ALIMENTATION D'UNE SOUDEUSE A L'ARC**  
 [72] REYNOLDS, JON O., US  
 [72] ZHANG, LIN, US  
 [73] ILLINOIS TOOL WORKS INC., US  
 [22] 1999-05-28  
 [30] US (09/096,436) 1998-06-11

---

[11] **2,274,743**  
 [13] C

[51] Int.Cl. 6B65H 39/10 **6B65H 29/00**  
 [25] EN  
**DOCUMENT COLLECTOR, DIVERTER AND STAGER APPARATUS AND METHOD**  
**[54] APPAREIL ET PROCEDE DE COLLECTE, DE DETOURNEMENT ET DE RASSEMBLEMENT DE DOCUMENTS**  
 [72] LUCAS, GREGORY T., US  
 [72] PARK, DANIEL C., US  
 [72] MIDDELBERG, NEAL J., US  
 [72] BROWN, KEITH A., SR., US  
 [73] BOWE BELL + HOWELL COMPANY, US  
 [85] 1999-06-08  
 [86] 1997-08-27 (PCT/US1997/014151)  
 [87] (WO1998/028215)  
 [30] US (08/771,589) 1996-12-20

---

[11] **2,276,018**  
 [13] C

[51] Int.Cl. 6H01J 49/04 **6G01N 30/72**  
**6G01N 21/73**  
 [25] EN  
**SPRAY CHAMBER WITH DRYER**  
**[54] CHAMBRE DE PULVERISATION AVEC SECHOIR**  
 [72] ETKIN, BERNARD, CA  
 [72] FRENCH, JOHN B., CA  
 [72] JONG, RAYMOND, CA  
 [72] LEGERE, GUY, CA  
 [73] MDS INC., CA  
 [85] 1999-06-25  
 [86] 1997-12-22 (PCT/CA1997/001007)  
 [87] (WO1998/029896)  
 [30] US (08/778,593) 1997-01-03  
 [30] US (08/974,957) 1997-11-20

---

[11] **2,276,887**  
 [13] C

[51] Int.Cl. 6B23Q 3/00 **6B65G 7/00**  
**6B23Q 16/00 6B66F 9/12**  
 [25] EN  
**JIG ASSEMBLY**  
**[54] ASSEMBLAGE DE GABARIT**  
 [72] JOHNSON, SCOTT ANDREW, AU  
 [72] HEDLEY, ROBERT IAN, AU  
 [73] JUSTOY PTY LTD., AU  
 [22] 1999-07-02  
 [30] AU (PP4497/98) 1998-07-03

---

[11] **2,276,973**  
 [13] C

[51] Int.Cl. 6E21B 43/25  
 [25] EN  
**TUBING HEAD SPOOL AND METHOD OF USING SAME**  
**[54] RACCORD DOUBLE-BRIDE POUR TETE DE TIGE ET METHODE D'UTILISATION**  
 [72] DALLAS, L. MURRAY, US  
 [73] DALLAS, L. MURRAY, US  
 [22] 1999-07-07  
 [30] US (09/162,278) 1998-09-29

---

[11] **2,277,346**  
 [13] C

[51] Int.Cl. 6C04B 35/581  
 [25] EN  
**ALUMINUM NITRIDE SINTERED BODY AND METHOD OF PREPARING THE SAME**  
**[54] CORPS FRITTE A NITRURE D'ALUMINIUM ET SON MODE D'OBTENTION**  
 [72] NATSUHARA, MASUHIRO, JP  
 [72] SASAKI, KAZUTAKA, JP  
 [72] NAKATA, HIROHIKO, JP  
 [72] MURASE, YASUHIRO, JP  
 [72] TANAKA, MOTOYUKI, JP  
 [72] YUSHIO, YASUHISA, JP  
 [73] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP  
 [22] 1999-07-14  
 [30] JP (10-206353) 1998-07-22

Brevets canadiens délivrés  
23 novembre 2004

---

[11] **2,278,110**  
[13] C

[51] Int.Cl. 6G02B 27/22 6G02B 5/32  
[25] EN  
[54] HOLOGRAPHIC DISPLAY DEVICE  
WITH A PARABOLOIDAL  
HOLOGRAM  
[54] DISPOSITIF D'AFFICHAGE  
HOLOGRAPHIQUE AVEC  
HOLOGRAMME PARABOLOIDAL  
[72] SUNATORI, GO SIMON, CA  
[73] SUNATORI, GO SIMON, CA  
[22] 1999-07-20

---

[11] **2,278,434**  
[13] C

[51] Int.Cl. 6A47L 17/00 6A47L 15/00  
[25] EN  
[54] COMPACT KITCHENWARE  
WASHING STATION  
[54] POSTE COMPACT DE LAVAGE  
D'ARTICLES DE CUISINE  
[72] SWIFT, WILLIAM M., SR., US  
[72] CRANE, DAVID R., US  
[73] S.C. JOHNSON COMMERCIAL  
MARKETS, INC., US  
[22] 1999-07-22  
[30] US (09/120,401) 1998-07-22

---

[11] **2,279,940**  
[13] C

[51] Int.Cl. 6F41A 9/62  
[25] EN  
[54] AMMUNITION COUNTING SELF-  
CONTAINED MAGAZINE  
[54] CHARGEUR AUTONOME  
COMPTANT LES MUNITIONS  
[72] WRIGHT, BARRY M., SR., US  
[72] BURKO, MITCHELL S., US  
[72] WRIGHT, BARRY M., JR., US  
[73] WRIGHT, BARRY M., SR., US  
[73] BURKO, MITCHELL S., US  
[73] WRIGHT, BARRY M., JR., US  
[85] 1999-08-05  
[86] 1998-02-12 (PCT/US1998/002592)  
[87] (WO1998/035200)  
[30] US (08/798,806) 1997-02-12

---

[11] **2,279,964**  
[13] C

[51] Int.Cl. 6B02C 19/12 6B02C 23/08  
[25] EN  
[54] METAL RECOVERY FROM SALT  
CAKE AND OTHER COMPOSITIONS  
[54] RECUPERATION DE METAL A  
PARTIR D'UN GATEAU DE SEL OU  
D'AUTRES COMPOSITIONS  
[72] CHEEK, RALPH, US  
[72] HARGIS, ROBERT L., US  
[72] GROSSO, PHILIP, US  
[73] IMCO RECYCLING, INC., US  
[85] 1999-08-04  
[86] 1998-02-06 (PCT/US1998/002530)  
[87] (WO1998/034730)  
[30] US (08/797,528) 1997-02-07

---

[11] **2,280,712**  
[13] C

[51] Int.Cl. 6B21B 37/68  
[25] EN  
[54] A ROLLING APPARATUS AND A  
ROLLING METHOD  
[54] APPAREIL DE LAMINAGE ET  
PROCEDE DE LAMINAGE  
[72] SAKO, AKIRA, JP  
[72] TAKEGUCHI, TORU, JP  
[72] YOSHIKAWA, MASASHI, JP  
[72] MANIWA, SYUJI, JP  
[73] MITSUBISHI HEAVY INDUSTRIES,  
LTD., JP  
[85] 1999-08-11  
[86] 1998-12-11 (PCT/JP1998/005594)  
[87] (WO1999/030848)  
[30] JP (9-342483) 1997-12-12  
[30] JP (9-356492) 1997-12-25  
[30] JP (10-5314) 1998-01-14

---

[11] **2,280,907**  
[13] C

[51] Int.Cl. 6H04N 7/04 6H04N 7/00  
[25] EN  
[54] MULTICHANNEL TELEVISION  
SOUND STEREO AND SURROUND  
SOUND ENCODER  
[54] CODEUR DE SON D'AMBIAENCE  
ET DE SON STEREO MULTICANAUX  
[72] KESSLER, ROBERT, US  
[72] KAYLOR, KEN, US  
[72] KAYLOR, ROBERT, US  
[72] AVALOS, SEALTEL, US  
[73] CABLE ELECTRONICS, INC., US  
[85] 1999-08-10  
[86] 1998-02-09 (PCT/US1998/002502)  
[87] (WO1998/035495)  
[30] US (60/037,525) 1997-02-10  
[30] US (08/918,754) 1997-08-25

---

[11] **2,280,919**  
[13] C

[51] Int.Cl. 6F23Q 2/46 6F23Q 2/16 6F23Q  
2/48  
[25] EN  
[54] REDUCED RESISTANCE DEVICE  
FOR PRODUCING IGNITION SPARKS  
[54] DISPOSITIF A RESISTANCE  
REDUITE POUR PRODUIRE DES  
ETINCELLES D'ALLUMAGE  
[72] ADAMS, PAUL H., US  
[72] MONNIER, JEAN MICHEL, US  
[72] McDONOUGH, JAMES M., US  
[73] BIC CORPORATION, US  
[85] 1999-08-10  
[86] 1998-02-05 (PCT/US1998/002381)  
[87] (WO1998/037365)  
[30] US (08/798,579) 1997-02-10

---

[11] **2,281,014**  
[13] C

[51] Int.Cl. 6B32B 7/04 6B32B 3/06 6B32B  
7/14  
[25] EN  
[54] TEAR/PUNCTURE RESISTANT  
SEMI-LAMINATE MATERIAL  
[54] MATERIAU SEMI-STRATIFIE  
RESISTANT A LA DECHIRURE ET A  
LA PERFORATION  
[72] QUINONES, VICTOR MANUEL, US  
[73] QUINONES, VICTOR MANUEL, US  
[22] 1999-08-30

---

[11] **2,281,163**  
[13] C

[51] Int.Cl. 6G01N 27/49 6F17D 5/00  
[25] EN  
[54] IMPROVED HYDROGEN  
PERMEATION PROBE  
[54] SONDE AMELIOREE POUR  
MESURER LA PERMEATION EN  
HYDROGENE  
[72] LEWIS, ARNOLD L., II, SA  
[72] BOAH, JOHN K., SA  
[73] SAUDI ARABIAN OIL COMPANY,  
SA  
[22] 1999-08-25  
[30] US (09/152,570) 1998-09-14

---

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,281,181**  
[13] C

[51] Int.Cl. 6E21B 34/06 6E21B 43/12  
[25] EN  
[54] FAILSAFE CONTROL SYSTEM FOR A SUBSURFACE SAFETY VALVE  
[54] SYSTEME DE CONTROLE A SECURITE INTEGREE POUR UNE SOUPAPE DE SECURITE SOUTERRAINE  
[72] BEALL, CLIFFORD H., US  
[73] BAKER HUGHES INCORPORATED, US  
[22] 1999-08-27  
[30] US (09/144,121) 1998-08-31

---

[11] **2,281,255**  
[13] C

[51] Int.Cl. 6B65H 3/08 6B32B 31/04  
**6B65H 29/24**  
[25] EN  
[54] DESTACKING APPARATUS  
[54] APPAREIL DE DESEMPLAGE  
[72] SCHROMGES, GUIDO, DE  
[72] DE WELDIGE, EGGERT, DE  
[72] GOTZ, WOLFGANG, DE  
[73] SIEMPELKAMP MASCHINEN- UND ANLAGENBAU GMBH & CO. KG, DE  
[22] 1999-09-01  
[30] DE (198 39 924.3) 1998-09-02

---

[11] **2,281,453**  
[13] C

[51] Int.Cl. 6H04Q 7/38  
[25] EN  
[54] METHODS AND APPARATUS FOR RETRANSMISSION BASED ACCESS PRIORITY IN A COMMUNICATIONS SYSTEM  
[54] METHODES ET APPAREILS DE DETERMINATION DES PRIORITES D'ACCES PAR RETRANSMISSION DANS UN SYSTEME DE COMMUNICATIONS  
[72] YUE, ON-CHING, US  
[72] CHUAH, MOOI CHOO, US  
[72] ZHANG, QINQING, US  
[73] LUCENT TECHNOLOGIES INC., US  
[22] 1999-09-08  
[30] US (09/172,495) 1998-10-14

---

[11] **2,281,541**  
[13] C

[51] Int.Cl. 6C03B 37/014 6C03B 37/018  
[25] EN  
[54] METHOD OF MAKING A TUBULAR MEMBER FOR OPTICAL FIBER PRODUCTION USING PLASMA OUTSIDE VAPOR DEPOSITION  
[54] PROCEDE DE FABRICATION D'UN ELEMENT TUBULAIRE DESTINE A LA PRODUCTION D'UNE FIBRE OPTIQUE AU MOYEN D'UN PLASMA SANS DEPOT PAR EVAPORATION SOUS VIDE  
[72] ASLAMI, MOHAMMAD AFZAL, US  
[72] DANILOV, EVGUENIE BORISOVICH, RU  
[72] GOUSKOV, MIKHAIL IVANOVICH, RU  
[72] WU, DAU, US  
[73] FIBERCORE, INC., US  
[85] 1999-08-19  
[86] 1998-12-17 (PCT/US1998/027051)  
[87] (WO1999/032412)  
[30] US (08/994,970) 1997-12-19

---

[11] **2,281,638**  
[13] C

[51] Int.Cl. 6B01J 23/00 6C08K 3/10  
**6B01J 23/16 6C08K 3/18 6B32B 27/20**  
**6C08K 3/22 6C08L 23/26 6B32B 5/28**  
[25] EN  
[54] POLYMER COMPOSITES AND METHODS FOR MAKING AND USING SAME  
[54] COMPOSITES POLYMERES, LEURS PROCEDES DE FABRICATION ET D'UTILISATION  
[72] VARGO, TERRENCE G., US  
[72] KOLOSKI, TIMOTHY S., US  
[73] INTEGUMENT TECHNOLOGIES, INC., US  
[85] 1999-08-17  
[86] 1998-02-23 (PCT/US1998/003424)  
[87] (WO1998/037964)  
[30] US (60/039,258) 1997-02-26  
[30] US (08/833,290) 1997-04-04  
[30] US (08/955,901) 1997-10-22  
[30] US (08/997,012) 1997-12-23

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[11] **2,282,848**  
[13] C

[51] Int.Cl. 6C22B 3/18 6C22B 15/00  
**6C22B 23/00 6C22B 3/20**  
[25] EN  
[54] COPPER AND NICKEL RECOVERY  
[54] RECUPERATION DE CUIVRE ET DE NICKEL  
[72] DEW, DAVID WILLIAM, ZA  
[72] MILLER, DEBORAH MAXINE, ZA  
[73] BILLITON SA LIMITED, ZA  
[22] 1999-09-20

---

[11] **2,282,856**  
[13] C

[51] Int.Cl. 6B01D 39/16  
[25] EN  
[54] AIR FILTER  
[54] FILTRE A AIR  
[72] BERKEMANN, RALPH, DE  
[72] HOLLINGSWORTH, ANTHONY, DE  
[72] STAUDENMAYER, OLIVER, DE  
[73] CARL FREUDENBERG KG, DE  
[22] 1999-09-20  
[30] DE (P 19843000.0) 1998-09-21

---

[11] **2,283,051**  
[13] C

[51] Int.Cl. 6A47J 27/04 6F22D 7/04  
**6A23L 1/20**  
[25] EN  
[54] CALDRON  
[54] CHAUDRON  
[72] IMAMURA, KATSUHIKO, JP  
[72] IMAMURA, KAZUHIKO, JP  
[73] YUUGENGAI SYA YAHIMESHOUJI, JP  
[22] 1999-09-09  
[30] JP (10-367184) 1998-12-24

---

[11] **2,283,070**  
[13] C

[51] Int.Cl. 6C21B 13/00  
[25] EN  
[54] INTEGRATED DIRECT REDUCTION IRON SYSTEM  
[54] SYSTEME INTEGRE DE PRODUCTION DE FER SPONGIEUX  
[72] DRNEVICH, RAYMOND FRANCIS, US  
[73] PRAXAIR TECHNOLOGY, INC., US  
[22] 1999-09-09  
[30] US (09/150,245) 1998-09-10

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Brevets canadiens délivrés  
23 novembre 2004

[11] 2,284,125  
[13] C

[51] Int.Cl. 6A01F 12/40  
[25] EN  
[54] STRAW CHOPPER  
[54] BROYEUR DE PAILLE  
[72] BISCHOFF, LUTZ, DE  
[73] DEERE & COMPANY, US  
[22] 1999-09-28  
[30] DE (199 06 454.7) 1999-02-16

[11] 2,284,203  
[13] C

[51] Int.Cl. 6H01M 8/12  
[25] EN  
[54] HIGH-TEMPERATURE FUEL CELLS  
[54] CELLULES A COMBUSTIBLE A HAUTE TEMPERATURE  
[72] LANDES, HARALD, DE  
[72] SCHICHL, HERMANN, DE  
[72] RICHTER, FRANZ, DE  
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[85] 1999-09-17  
[86] 1998-03-05 (PCT/DE1998/000660)  
[87] (WO1998/043308)  
[30] DE (197 11 684.1) 1997-03-20

[11] 2,284,981  
[13] C

[51] Int.Cl. 6G01M 11/02  
[25] EN  
[54] OCULAR OPTICAL SYSTEM SIMULATING METHOD AND SIMULATING APPARATUS  
[54] METHODE DE SIMULATION DU SYSTEME OPTIQUE OCULAIRE ET DISPOSITIF DE SIMULATION  
[72] TANAKA, IKUKA, JP  
[72] QI, HUA, JP  
[73] HOYA CORPORATION, JP  
[22] 1999-09-29  
[30] JP (10-288077) 1998-10-09

[11] 2,286,937  
[13] C

[51] Int.Cl. 6G02B 27/22 6G02F 1/21  
[25] EN  
[54] 3-DIMENSIONAL IMAGE DISPLAY METHOD AND SYSTEM  
[54] METHODE ET DISPOSITIF D'AFFICHAGE D'IMAGES TRIDIMENSIONNELLES  
[72] SUNATORI, GO SIMON, CA  
[73] SUNATORI, GO SIMON, CA  
[22] 1999-09-28

[11] 2,286,960  
[13] C

[51] Int.Cl. 6B27L 11/02  
[25] EN  
[54] GAS FLOW-TYPE CHIPPING MACHINE  
[54] DESINTEGRATEUR DE TYPE A ECOULEMENT DE GAZ  
[72] PALLMANN, WILHELM, DE  
[73] PALLMANN MASCHINENFABRIK GMBH & CO. KG, DE  
[22] 1999-10-20  
[30] DE (198 48 233.7) 1998-10-20

[11] 2,287,225  
[13] C

[51] Int.Cl. 6B65D 35/28  
[25] EN  
[54] DEVICE FOR PRESSING OUT TUBES  
[54] DISPOSITIF POUR EXPRIMER LE CONTENU DE TUBES  
[72] HURLIMANN, PAUL, CH  
[73] HARDMEIER, ARTHUR, CH  
[85] 1999-10-21  
[86] 1998-04-16 (PCT/CH1998/000144)  
[87] (WO1998/047782)  
[30] CH (948/97) 1997-04-23

[11] 2,288,203  
[13] C

[51] Int.Cl. 6C22B 3/18 6C22B 11/08  
[25] EN  
[54] INTEGRATED, TANK/HEAP BIOOXIDATION PROCESS FOR THE LIXIVIATION OF SULFIDE ORES  
[54] PROCEDE DE BIOOXYDATION INTEGRE EN CUVE/EN TAS POUR LA LIXIVIATION DES MINERAIS SULFURES  
[72] SCHAFFNER, MICHAEL R., US  
[72] BATTY, JOHN D., US  
[73] BIOMIN TECHNOLOGIES S.A., CH  
[73] ECHO BAY MINES, LIMITED, CA  
[85] 1999-10-25  
[86] 1998-05-18 (PCT/IB1998/000969)  
[87] (WO1998/051827)  
[30] US (08/857,880) 1997-05-16

[11] 2,289,225  
[13] C

[51] Int.Cl. 6A01D 61/00 6A01D 39/00 6B62D 12/00 6B62D 13/00 6B60K 7/00 6A01F 11/02 6B62D 53/06 6B60K 17/30 6A01F 12/60  
[25] EN  
[54] COMBINE WITH POWERED AND STEERABLE GRAIN TRAILER  
[54] MOISSONNEUSE-BATTEUSE AVEC REMORQUE A CEREALES AUTONOME ET MOTORIZEE  
[72] DILLON, BEN N., US  
[73] DILLON, BEN N., US  
[85] 1999-11-01  
[86] 1998-09-11 (PCT/US1998/019046)  
[87] (WO1999/012408)  
[30] US (927,872) 1997-09-11

[11] 2,289,672  
[13] C

[51] Int.Cl. 7C09K 15/06 7B32B 27/18 7B65D 81/26 7A23L 3/3436  
[25] EN  
[54] LOW MIGRATORY PHOTINITIATORS FOR OXYGEN-SCAVENGING COMPOSITIONS  
[54] PHOTOAMORCEURS A FAIBLE TENDANCE MIGRATOIRE POUR COMPOSITIONS DESOXYGENANTES  
[72] BECRAFT, MICHAEL LEE, US  
[72] MORGAN, CHARLES ROBERT, US  
[72] SPEER, DREW VE, US  
[72] BLINKA, THOMAS ANDREW, US  
[73] CRYOVAC, INC., US  
[85] 1999-11-15  
[86] 1998-05-16 (PCT/US1998/010093)  
[87] (WO1998/051759)  
[30] US (857,226) 1997-05-16

[11] 2,290,006  
[13] C

[51] Int.Cl. 7C02F 1/78 7C22B 11/08  
[25] EN  
[54] METHOD OF PROCESSING CYANIDE IONS BY OZONE  
[54] METHODE DE TRAITEMENT A L'OZONE D'IONS CYANURES  
[72] IMAIZUMI, YUJI, JP  
[72] SASAKI, KOJI, JP  
[72] KIKUTA, NAOKO, JP  
[72] HISATSUNE, MASAYUKI, JP  
[72] SUZUKI, TAKAO, JP  
[72] NAKAMURA, IICHI, JP  
[72] NAKAYAMA, RYOICHI, JP  
[72] USHIO, RYOZO, JP  
[73] SUMITOMO METAL MINING CO., LTD., JP  
[22] 1999-11-17  
[30] JP (H10-328257) 1998-11-18

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,290,848**  
[13] C

[51] Int.Cl. 7C09B 1/26 7A61K 7/13  
[25] FR  
[54] AMINO-DI-ANTHRAQUINONES  
CATIONIQUES, UTILISATION,  
COMPOSITIONS DE TEINTURE LES  
RENFERMANT ET PROCEDES DE  
TEINTURE  
[54] CATIONIC AMINO-DI-  
ANTHRAQUINONES, USE, DYEING  
COMPOSITIONS CONTAINING THEM  
AND DYEING PROCESSES  
[72] GENET, ALAIN, FR  
[72] LAGRANGE, ALAIN, FR  
[73] L'OREAL, FR  
[22] 1999-11-29  
[30] FR (98 15 045) 1998-11-30

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[11] **2,291,368**  
[13] C

[51] Int.Cl. 7B21B 38/00  
[25] EN  
[54] ROLLING DATA COLLECTING  
METHOD AND SYSTEM  
[54] METHODE ET SYSTEME DE  
COLLECTE DE DONNEES DE  
LAMINAGE  
[72] OKITANI, NORIYASU, JP  
[72] TEZUKA, TOMOYUKI, JP  
[73] KABUSHIKI KAISHA TOSHIBA, JP  
[22] 1999-12-02  
[30] JP (344631/1998) 1998-12-03

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[11] **2,292,942**  
[13] C

[51] Int.Cl. 7H04Q 3/52  
[25] EN  
[54] OPTICAL CHANNEL CROSS  
CONNECT FOR  
TELECOMMUNICATION SYSTEMS IN  
WDM TECHNOLOGY (WAVELENGTH  
DIVISION MULTIPLEXING) HAVING A  
DOUBLE SPATIAL SWITCHING  
STRUCTURE OF OPTICAL FLOWS  
STRICTLY NOT BLOCKING AND  
INTERPOSED FUNCTIONAL UNITS  
OPERATING ON SINGLE CHANNELS  
[54] INTERCONNEXION DE CANAL  
OPTIQUE POUR LES SYSTEMES DE  
TELECOMMUNICATIONS DE  
TECHNOLOGIE MLO  
(MULTIPLEXAGE EN LONGUEUR  
D'ONDE) AYANT UNE STRUCTURE DE  
COMMUTATION SPATIAL DOUBLE  
DE FLUX OPTIQUES STRICTEMENT  
NON-BLOQUANTE D'UNITES  
FONCTIONNELS INTERPOSES SUR  
DES CANAUX SIMPLES  
[72] BRUNAZZI, STEFANO, IT  
[72] ROTOLI, SALVATORE, IT  
[73] CNX S.P.A., IT  
[73] STMICROELECTRONICS S.R.L., IT  
[22] 1999-12-22  
[30] EP (98830787.2) 1998-12-28

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[11] **2,293,220**  
[13] C

[51] Int.Cl. 7B24B 21/00 7B24D 18/00  
[25] EN  
[54] MATERIAL PROCESSING BELTS,  
IN PARTICULAR GRINDING, SANDING  
AND/OR POLISHING BELTS, AND A  
METHOD OF MANUFACTURING  
SUCH BELTS  
[54] COURROIES DE TRAITEMENT DE  
MATIERE, EN PARTICULIER  
COURROIES DE BROYAGE, DE  
PONCAGE ET/OU DE POLISSAGE, ET  
METHODE DE FABRICATION DE  
TELLES COURROIES  
[72] EISENBLATTER, GERD, DE  
[73] GERD EISENBLATTER GMBH, DE  
[22] 1999-12-23  
[30] DE (199 31 290.7) 1999-07-07

[11] **2,293,225**  
[13] C

[51] Int.Cl. 7A45D 40/26  
[25] EN  
[54] UNIDIRECTIONAL COSMETIC  
WIPER  
[54] DISPOSITIF NETTOYANT DE  
COSMETIQUE UNIDIRECTIONNEL  
[72] BOUIX, HERVE F., US  
[73] COLOR ACCESS, INC., US  
[85] 1999-12-13  
[86] 1999-04-12 (PCT/US1999/008149)  
[87] (WO1999/053797)  
[30] US (09/065,127) 1998-04-23

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[11] **2,294,158**  
[13] C

[51] Int.Cl. 7C07H 19/06 7C07H 19/073  
7C12N 5/08 7C07H 19/16 7C07H 19/173  
7C12P 19/38 7C12P 19/40 7A61K 31/70  
[25] EN  
[54] NATURAL ANTITUMOR OR  
ANTIVIRAL SUBSTANCES AND USE  
OF THE SAME  
[54] SUBSTANCES NATURELLES  
ANTITUMORALES OU ANTIVIRALES  
ET LEUR UTILISATION  
[72] MORI, TSUNEATSU, JP  
[72] MORI, ETSUKO, JP  
[72] GUO, MAOWU, CA  
[73] MORI, TSUNEATSU, JP  
[73] MORI, TAKAHIDE, JP  
[73] ITOCHU TECHNO-CHEMICAL INC.,  
JP  
[85] 1999-12-02  
[86] 1998-06-02 (PCT/JP1998/002438)  
[87] (WO1998/055493)  
[30] JP (9/159321) 1997-06-03

Brevets canadiens délivrés  
23 novembre 2004

---

[11] 2,295,061  
[13] C

[51] Int.Cl. 7A61K 9/00 7A61K 31/195  
7A61K 31/197  
[25] EN  
[54] STORAGE-STABLE  
OPHTHALMIC COMPOSITIONS  
COMPRISING DICLOFENAC AND  
OFLOXACIN  
[54] COMPOSITIONS OPHTALMIQUES  
STABLES AU STOCKAGE  
CONTENANT DU DICLOFENAC ET DE  
L'OFLOXACINE  
[72] BELLMANN, GUNTHER, DE  
[72] KESSLER, CHRISTOPH, DE  
[72] CLAUS-HERZ, GUDRUN, DE  
[73] DR. GERHARD MANN CHEM.-  
PHARM. FABRIK GMBH, DE  
[85] 1999-12-22  
[86] 1998-07-09 (PCT/EP1998/004267)  
[87] (WO1999/002130)  
[30] DE (197 29 879.6) 1997-07-11

---

[11] 2,295,330  
[13] C

[51] Int.Cl. 7G01S 13/02 7G01S 7/41  
[25] EN  
[54] PROBE MAPPING DIAGNOSTIC  
METHODS  
[54] METHODES DIAGNOSTIQUES  
AVEC CARTOGRAPHIE DE  
POSITIONS DE SONDE  
[72] CUMMINGS, DONALD D., US  
[72] MCCARTHY, WILLIAM PATRICK,  
US  
[72] WARTMANN, GERD, US  
[72] PERDUE, KENNETH L., US  
[73] ENDRESS + HAUSER GMBH + CO.,  
DE  
[22] 2000-01-12  
[30] US (09/229,778) 1999-01-13

---

[11] 2,296,483  
[13] C

[51] Int.Cl. 7A61F 2/44  
[25] EN  
[54] PROSTHETIC SPINAL DISC  
NUCLEUS  
[54] NOYAU DISCAL  
INTERVERTEBRAL PROTHETIQUE  
[72] DICKHUDT, EUGENE A., US  
[72] RAY, CHARLES D., US  
[72] ASSELL, ROBERT L., US  
[73] RAYMEDICA, INC., US  
[85] 2000-01-12  
[86] 1998-06-05 (PCT/US1998/011583)  
[87] (WO1998/055053)  
[30] US (08/870,866) 1997-06-06

---

[11] 2,296,920  
[13] C

[51] Int.Cl. 7H04H 1/02 7H04M 3/487  
[25] EN  
[54] COMMUNITY EMERGENCY  
TELEPHONE NOTIFICATION SYSTEM  
[54] SYSTEME COMMUNAUTAIRE DE  
NOTIFICATION TELEPHONIQUE EN  
CAS D'URGENCE  
[72] ALLPORT, DOUGLAS C., CA  
[73] ALLPORT, DOUGLAS C., CA  
[22] 1996-06-28  
[62] 2,180,220  
[30] US (60/000,649) 1995-06-29

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[11] 2,297,090  
[13] C

[51] Int.Cl. 7G01C 19/56  
[25] EN  
[54] A DIGITAL CONTROL SYSTEM  
FOR A VIBRATING STRUCTURE  
GYROSCOPE  
[54] SYSTEME A COMMANDE  
NUMERIQUE DESTINE A UN  
GYROSCOPE A STRUCTURE  
VIBRANTE  
[72] TOWNSEND, KEVIN, GB  
[73] BAE SYSTEMS PLC, GB  
[85] 2000-01-20  
[86] 1998-09-17 (PCT/GB1998/002819)  
[87] (WO1999/014557)  
[30] GB (9719767.7) 1997-09-18

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[11] 2,297,648  
[13] C

[51] Int.Cl. 7C07C 5/27 7C07C 11/02  
7C07C 303/06 7C07C 303/08 7C07C 15/  
107 7C07C 9/14 7C11D 1/22 7C07C 309/31  
7C07C 5/48 7C07C 2/66  
[25] EN  
[54] IMPROVED PROCESSES FOR  
MAKING  
ALKYLBENZENESULFONATE  
SURFACTANTS AND PRODUCTS  
THEREOF  
[54] PROCEDES AMELIORES DE  
PREPARATION DE TENSIOACTIFS  
ALKYLBENZENESULFONATE ET  
PRODUITS CONTENANT LESDITS  
TENSIOACTIFS  
[72] KOTT, KEVIN LEE, US  
[72] CONNOR, DANIEL STEDMAN, US  
[72] SCHEIBEL, JEFFREY JOHN, US  
[72] BURCKETT-ST. LAURENT, JAMES  
CHARLES THEOPHILE ROGER, US  
[72] CRipe, THOMAS ANTHONY, US  
[73] THE PROCTER & GAMBLE  
COMPANY, US  
[85] 2000-01-20  
[86] 1998-07-20 (PCT/IB1998/001096)  
[87] (WO1999/005082)  
[30] US (60/053,209) 1997-07-21

---

[11] 2,298,136  
[13] C

[51] Int.Cl. 7D06F 39/14 7D06F 39/02  
7A47L 15/42 7A47L 15/44  
[25] EN  
[54] APPARATUS AND METHOD FOR  
ASSEMBLING WASHING MACHINE  
LID ASSEMBLY  
[54] APPAREIL ET METHODE DE  
MONTAGE DE COUVERCLE DE  
MACHINE A LAVER  
[72] LAFRENZ, MICHAEL D., US  
[72] BRUNTZ, JORDAN S., US  
[72] DUNSBERGEN, KIRK M., US  
[72] WUNDERLICH, DANIEL F., US  
[73] MAYTAG CORPORATION, US  
[22] 2000-02-04  
[30] US (09/283,814) 1999-03-31

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**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,299,354**  
 [13] C

[51] Int.Cl. 7B65G 47/64 7B65G 21/16  
 [25] EN  
**[54] AUTOMATED ARRAY SORTER FOR CONVEYORS**  
**[54] TRIEUSE AUTOMATIQUE A ENSEMBLE DESTINATIONS, SERVANT DANS UNE INSTALLATION DE TRANSPORT**  
 [72] BONNET, HENRI, US  
 [73] UNITED PARCEL SERVICE OF AMERICA, INC., US  
 [85] 2000-02-07  
 [86] 1998-08-26 (PCT/US1998/017717)  
 [87] (WO1999/012834)  
 [30] US (08/926,056) 1997-09-09

---

[11] **2,300,188**  
 [13] C

[51] Int.Cl. 7F23C 10/20 7F23C 10/24  
 [25] EN  
**[54] GRATE CONSTRUCTION OF A FLUIDIZED BED BOILER**  
**[54] CONSTRUCTION DE GRILLE D'UNE CHAUDIERE A LIT FLUIDISE**  
 [72] LEHTONEN, PEKKA, FI  
 [72] UTUNEN, PEKKA, FI  
 [73] FOSTER WHEELER ENERGIA OY, FI  
 [85] 2000-02-10  
 [86] 1998-09-14 (PCT/FI1998/000717)  
 [87] (WO1999/014530)  
 [30] FI (973668) 1997-09-12

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[11] **2,300,929**  
 [13] C

[51] Int.Cl. 7A45D 34/04  
 [25] EN  
**[54] HAIR PRODUCT APPLICATION SYSTEM**  
**[54] SYSTEME D'APPLICATION DE PRODUIT CAPILLAIRE**  
 [72] LASKER SOBEL, JOAN, US  
 [73] LASKER SOBEL, JOAN, US  
 [85] 2000-02-18  
 [86] 1998-09-14 (PCT/US1998/019424)  
 [87] (WO1999/012446)  
 [30] US (08/928,270) 1997-09-12

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[11] **2,301,069**  
 [13] C

[51] Int.Cl. 7G08C 15/02 7G01B 9/00  
**7H04J 14/02 7G08C 23/06 7G01B 11/16**  
 [25] EN  
**[54] LARGE SCALE HIGH SPEED MULTIPLEXED OPTICAL FIBER SENSOR NETWORK**  
**[54] RESEAU DE CAPTEURS A FIBRES OPTIQUES A MULTIPLEXAGE RAPIDE SUR GRANDE ECHELLE**  
 [72] HU, YIQUN, GB  
 [72] CHEN, SHIPING, US  
 [73] UNIVERSITY OF MARYLAND, US  
 [85] 2000-02-14  
 [86] 1998-08-19 (PCT/US1998/017142)  
 [87] (WO1999/009370)  
 [30] US (60/056,560) 1997-08-19

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[11] **2,301,447**  
 [13] C

[51] Int.Cl. 7H04Q 7/36 7H04Q 7/24  
 [25] EN  
**[54] SYSTEM FOR PROVIDING LOCATION BASED SERVICE TO A WIRELESS TELEPHONE SET IN A TELEPHONE SYSTEM**  
**[54] SYSTEME DE FOURNITURE DE SERVICE TELEPHONIQUE EN FONCTION DE L'EMPLACEMENT POUR LES TELEPHONES SANS FIL**  
 [72] KIDWELL, ELIZABETH ANN, US  
 [72] PALAMARA, MARIA E., US  
 [72] JACOBSON, TERRY, US  
 [72] MEYER, MICHAEL JOSEPH, US  
 [73] LUCENT TECHNOLOGIES INC., US  
 [22] 2000-03-21  
 [30] US (09/285,208) 1999-04-01

---

[11] **2,301,868**  
 [13] C

[51] Int.Cl. 7B26B 21/22  
 [25] EN  
**[54] RAZOR CARTRIDGE WITH METAL CLIP RETAINING BLADES**  
**[54] CARTOUCHE DE RASOIR COMPRENANT DES BAGUES DE RETENUE METALLIQUES POUR LES LAMES**  
 [72] ANDERSON, KATHERINE ELIZABETH, US  
 [72] APPRILLE, DOMENIC VINCENT JR., US  
 [73] THE GILLETTE COMPANY, US  
 [85] 2000-02-21  
 [86] 1998-09-24 (PCT/US1998/020054)  
 [87] (WO1999/016591)  
 [30] US (08/941,328) 1997-09-30

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[11] **2,302,341**  
 [13] C

[51] Int.Cl. 7F01D 5/22  
 [25] EN  
**[54] COAL MILL EXHAUSTER FAN**  
**[54] VENTILATEUR D'EVACUATION DE PULVERISATEUR DE CHARBON**  
 [72] NARDI, JOHN ANTHONY, US  
 [72] WARK, RICKY E., US  
 [73] SURE ALLOY STEEL CORPORATION, US  
 [85] 2000-02-25  
 [86] 1998-09-25 (PCT/US1998/020004)  
 [87] (WO1999/016999)  
 [30] US (08/938,674) 1997-09-26

---

[11] **2,302,655**  
 [13] C

[51] Int.Cl. 7B01D 53/64  
 [25] EN  
**[54] USE OF SULFIDE-CONTAINING GASES AND LIQUORS FOR REMOVING MERCURY FROM FLUE GASES**  
**[54] UTILISATION DE GAZ ET DE LIQUEURS CONTENANT DES SULFURES POUR ELIMINER LE MERCURE DE GAZ DE COMBUSTION**  
 [72] BAILEY, RALPH T., US  
 [72] NOLAN, PAUL S., US  
 [72] VECCI, STANLEY J., US  
 [72] DOWNS, WILLIAM, US  
 [73] THE BABCOCK & WILCOX COMPANY, US  
 [73] McDERMOTT TECHNOLOGY, INC., US  
 [22] 2000-03-28  
 [30] US (09/282,817) 1999-03-31  
 [30] US (09/464,806) 1999-12-17

Brevets canadiens délivrés  
23 novembre 2004

---

[11] 2,303,456  
[13] C

[51] Int.Cl. 7G06F 17/40 7G06F 7/02  
7G06F 17/30  
[25] EN  
[54] DATA MANAGING METHOD,  
APPARATUS AND RECORDING  
MEDIUM  
[54] METHODE DE GESTION DES  
DONNEES, APPAREIL ET SUPPORT  
D'ENREGISTREMENT  
[72] OHTOMO, YASUO, JP  
[72] OHTOMO, AYAKO, JP  
[72] OOI, TAKAYUKI, JP  
[72] OOYA, SHINGO, JP  
[72] KAGEYAMA, TSUTOMU, JP  
[72] ISHIZAKA, TAKASHI, JP  
[73] BEACON INFORMATION  
TECHNOLOGY INC., JP  
[22] 2000-03-30  
[30] JP (11-94531) 1999-04-01

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[11] 2,304,538  
[13] C

[51] Int.Cl. 7B65D 33/28  
[25] EN  
[54] ELASTIC TOP DRAWSTRING BAG  
AND METHOD OF MANUFACTURING  
THE SAME  
[54] SAC A FERMETURE ELASTIQUE  
A LACET COULISSANT ET METHODE  
DE FABRICATION  
[72] GUELI, CATHERINE E., US  
[72] BELIAS, WILLIAM P., US  
[72] GLOD, LAWRENCE J., SR., US  
[73] PACTIV CORPORATION, US  
[22] 2000-04-10

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[11] 2,304,892  
[13] C

[51] Int.Cl. 7B64C 33/02  
[25] EN  
[54] WING MOVEMENT FOR  
ORNITHOPTERS AND APPARATUS OF  
THE LIKE  
[54] MOUVEMENT D'AILLES POUR  
ORNITHOPTERES ET APPAREILS  
CONNEXES  
[72] TERRIAULT, CLEMENT  
(DECEASED), CA  
[72] TERRIAULT, MICHEL, CA  
[73] SUCCESSION CLEMENT  
TERRIAULT, CA  
[22] 2000-04-05  
[30] CA (2,280,656) 1999-08-25

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[11] 2,306,016  
[13] C

[51] Int.Cl. 7E21B 21/08  
[25] EN  
[54] METHOD AND APPARATUS FOR  
INJECTING ONE OR MORE FLUIDS  
INTO A BOREHOLE  
[54] METHODE ET APPAREIL  
D'INJECTION D'UN OU DE PLUSIEURS  
FLUIDES DANS UN TROU DE FORAGE  
[72] RISPLER, KEVIN, CA  
[72] LILLICO, DOUGLAS ALEXANDER,  
CA  
[72] PERKINS, ERNEST H., CA  
[73] ALBERTA RESEARCH COUNCIL,  
INC., CA  
[22] 2000-04-18

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[11] 2,308,039  
[13] C

[51] Int.Cl. 7A01K 1/01  
[25] FR  
[54] COLLECTEUR D'EXCREMENTS  
DE CHIENS  
[54] DEVICE FOR COLLECTING DOG  
DROPPINGS  
[72] ROBIN, MARTIAL, CA  
[72] IGLESIAS-ROBIN, MARIA JOSEFA,  
CA  
[73] ROBIN, MARTIAL, CA  
[73] IGLESIAS-ROBIN, MARIA JOSEFA,  
CA  
[22] 2000-05-16

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[11] 2,308,878  
[13] C

[51] Int.Cl. 7B23C 5/12  
[25] EN  
[54] MILLING CUTTER AND INSERT  
THEREFOR  
[54] FRAISE A FILETER ET  
PLAQUETTE CONNEXE  
[72] NOGGLE, KENNETH G., US  
[73] VALENITE INC., US  
[22] 2000-05-19  
[30] US (09/465,155) 1999-12-16

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[11] 2,310,745  
[13] C

[51] Int.Cl. 7B01J 20/06 7B65D 81/20  
7C08K 3/22 7C08K 3/30  
[25] EN  
[54] OXYGEN SCAVENGING  
HYDROTALCITE AND  
COMPOSITIONS CONTAINING SAME  
[54] HYDROTALCITE  
DESOXYGENANT ET COMPOSITIONS  
LE CONTENANT  
[72] SPEER, DREW VE, US  
[72] HALLOCK, JOHN SCOTT, US  
[73] CRYOVAC, INC., US  
[85] 2000-05-19  
[86] 1998-09-15 (PCT/US1998/019179)  
[87] (WO1999/027005)  
[30] US (08/975,830) 1997-11-21

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[11] 2,311,212  
[13] C

[51] Int.Cl. 7E05B 65/44  
[25] EN  
[54] MOUNTING CLIP FOR A  
REMOVABLE LOCKING CORE  
[54] PINCE DE FIXATION POUR  
SERRURE AMOVIBLE  
[72] WESTWINDEL, FLORIAN G., CA  
[73] WESKO SYSTEMS LIMITED, CA  
[22] 2000-06-12  
[30] US (09/333,706) 1999-06-16

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[11] 2,312,323  
[13] C

[51] Int.Cl. 7F16H 1/28 7F02C 7/36  
[25] EN  
[54] PLANETARY GEAR  
[54] BOITE PLANETAIRE  
[72] STEGHERR, RUDOLF, DE  
[73] MTU AERO ENGINES GMBH, DE  
[85] 2000-05-29  
[86] 1999-09-29 (PCT/DE1999/003121)  
[87] (WO2000/019124)  
[30] DE (198 44 843.0) 1998-09-30

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**Canadian Patents Issued  
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[11] **2,312,933**  
[13] C

[51] Int.Cl. 6G02F 1/09 6H04B 10/02  
[25] EN  
[54] OPTICAL ATTENUATOR USING ISOLATOR AND OPTICAL COMMUNICATIONS SYSTEM INCLUDING THE SAME  
[54] ATTENUATEUR OPTIQUE A ISOLATEUR ET SYSTEME DE COMMUNICATION OPTIQUE COMPORTEANT L'EDIT ATTENUATEUR  
[72] KIM, SUNG-JUN, KR  
[72] HWANG, SEONG-TAEK, KR  
[72] YOON, SOO-YOUNG, KR  
[72] KIM, JEONG-MEE, KR  
[73] SAMSUNG ELECTRONIC CO., LTD., KR  
[85] 2000-06-02  
[86] 1998-12-08 (PCT/KR1998/000413)  
[87] (WO1999/030205)  
[30] KR (97-67079) 1997-12-09

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[11] **2,314,435**  
[13] C

[51] Int.Cl. 7A45D 34/00 7A45D 40/00  
[25] FR  
[54] APPLICATEUR DE PRODUIT LIQUIDE, PATEUX OU PULVERULENT COMPORTEANT DES FIBRES TORSADEES, ET ENSEMBLE D'APPLICATION AINSI EQUIPE  
[54] APPLICATOR FOR LIQUID, PASTE OR POWDER PRODUCT COMPRISING TWISTED FIBRES AND APPLICATION SYSTEM EQUIPPED WITH SUCH AN APPLICATOR  
[72] GUERET, JEAN-LOUIS H., FR  
[73] L'OREAL, FR  
[22] 2000-07-18  
[30] FR (99 09 527) 1999-07-22

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[11] **2,314,732**  
[13] C

[51] Int.Cl. 7C30B 11/00  
[25] EN  
[54] CRYSTAL GROWTH VESSEL AND CRYSTAL GROWTH METHOD  
[54] REACTEUR ET METHODE POUR LA CROISSANCE CRISTALLINE  
[72] KATO, SHIGETO, JP  
[72] HAGI, YOSHIAKI, JP  
[73] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP  
[22] 2000-07-31  
[30] JP (P1999-218709) 1999-08-02

---

[11] **2,316,157**  
[13] C

[51] Int.Cl. 7C07F 7/18 7C07D 303/32  
7C07D 303/40 7C07C 69/734  
[25] EN  
[54] PROCESS FOR THE PREPARATION OF VITAMIN D ANALOGUES  
[54] PROCESSUS DE PREPARATION D'ANALOGUES DE LA VITAMINE D  
[72] DANIEWSKI, ANDRZEJ ROBERT, US  
[72] RADINOV, ROUMEN NIKOLAEV, US  
[72] KABAT, MAREK MICHAL, US  
[72] OKABE, MASAMI, US  
[73] F. HOFFMANN-LA ROCHE AG, CH  
[22] 2000-08-17  
[30] US (60/150,226) 1999-08-23  
[30] US (60/150,378) 1999-08-23

---

[11] **2,316,263**  
[13] C

[51] Int.Cl. 7H04Q 7/20  
[25] EN  
[54] CHANNEL SPREADING DEVICE AND METHOD IN CDMA COMMUNICATION SYSTEM  
[54] DISPOSITIF ET PROCEDE D'ETALEMENT CANAL DANS UN SYSTEME DE COMMUNICATIONS AMCR  
[72] KIM, JAE-YOEL, KR  
[72] KANG, HEE-WON, KR  
[72] KIM, YOUNG-KY, KR  
[72] MAENG, SEUNG-JOO, KR  
[73] SAMSUNG ELECTRONIC CO., LTD., KR  
[85] 2000-06-27  
[86] 1999-12-08 (PCT/KR1999/000749)  
[87] (WO2000/035207)  
[30] KR (54296/1998) 1998-12-08

---

[11] **2,316,290**  
[13] C

[51] Int.Cl. 6G01N 27/447  
[25] EN  
[54] CAPILLARY ELECTROPHORETIC METHOD TO DETECT TARGET-BINDING LIGANDS AND TO DETERMINE THEIR RELATIVE AFFINITIES  
[54] PROCEDE ELECTROPHORETIQUE CAPILLAIRE PERMETTANT DE DETECTER DES LIGANDS SE LIANT A UNE CIBLE ET DE DETERMINER LEURS AFFINITES  
[72] WATERS, JAMES L., US  
[72] DUNAYEVSKIY, YURIY M., US  
[72] HUGHES, DALLAS E., US  
[73] CETEK CORPORATION, US  
[85] 2000-06-22  
[86] 1998-12-23 (PCT/US1998/027463)  
[87] (WO1999/034203)  
[30] US (60/068,781) 1997-12-24

---

[11] **2,317,106**  
[13] C

[51] Int.Cl. 6A61K 31/495 6A61K 9/14  
[25] EN  
[54] METHOD AND COMPOSITION OF AN ORAL PREPARATION OF ITRACONAZOLE  
[54] PROCEDE ET COMPOSITION D'UNE PREPARATION ORALE D'ITRACONAZOLE  
[72] LEE, SANG HEON, KR  
[72] HONG, JI WOONG, KR  
[72] LEE, KYU HYUN, KR  
[72] PARK, JONG WOO, KR  
[72] JUNG, JAE YOUNG, KR  
[72] KIM, KYE HYUN, KR  
[73] CHOONGWAE PHARMA CORPORATION, KR  
[85] 2000-06-27  
[86] 1998-12-17 (PCT/KR1998/000436)  
[87] (WO1999/033467)  
[30] KR (1997/81947) 1997-12-31  
[30] KR (1998/27730) 1998-07-10

---

Brevets canadiens délivrés  
23 novembre 2004

---

[11] 2,317,236  
[13] C

[51] Int.Cl. 7H04M 3/533 7H04M 11/06  
[25] EN  
[54] TELEPHONE SWITCHING SYSTEM WITH DATA INTEGRATION  
[54] SYSTEME DE COMMUTATEUR TELEPHONIQUE AVEC INTEGRATION DE DONNEES  
[72] SARP, S. MURAD, US  
[72] HEANEY, EOIN, US  
[73] COMDIAL CORPORATION, US  
[22] 2000-08-29  
[30] US (09/393,633) 1999-09-10

---

[11] 2,317,374  
[13] C

[51] Int.Cl. 7B62D 33/027 7B65G 67/02  
7B60P 1/44  
[25] EN  
[54] TRAILER HAVING ACTUATABLE TAIL RAMP  
[54] REMORQUE AYANT UNE RAMPE ARRIERE DECLENCHEABLE  
[72] WASSENBERG, LOREN F., US  
[72] LANDOLL, DONALD R., US  
[73] LANDOLL CORPORATION, US  
[22] 2000-09-05  
[30] US (09/502,192) 2000-02-10

---

[11] 2,317,500  
[13] C

[51] Int.Cl. 7H01R 24/02 7H01R 9/05  
7H01R 12/14  
[25] EN  
[54] COAXIAL CONNECTOR  
[54] CONNECTEUR COAXIAL  
[72] BERGHORN, MANFRED, DE  
[72] HARTING, DIETMAR, DE  
[72] PAPE, GUNTER, DE  
[73] HARTING ELECTRONICS GMBH & CO. KG, DE  
[22] 2000-09-07  
[30] DE (19942579.5) 1999-09-07

---

[11] 2,317,982  
[13] C

[51] Int.Cl. 7H04B 3/23  
[25] EN  
[54] QUADRATURE FILTER AUGMENTATION OF ECHO  
CANCELER BASIS FUNCTIONS  
[54] AMELIORATION PAR FILTRAGE EN QUADRATURE DES FONCTIONS DE BASE D'UN ANNULEUR D'ECHO  
[72] DUTTWEILER, DONALD LARS, US  
[73] LUCENT TECHNOLOGIES INC., US  
[22] 2000-09-08  
[30] US (09/393,948) 1999-09-10

---

[11] 2,318,093  
[13] C

[51] Int.Cl. 6G01D 21/00 6G21C 17/00  
6G01D 1/00  
[25] EN  
[54] ULTRASENSITIVE SURVEILLANCE OF SENSORS AND PROCESSES  
[54] SURVEILLANCE ULTRASENSIBLE DE CAPTEURS ET DE PROCESSUS  
[72] GROSS, KENNETH C., US  
[72] JARMAN, KRISTIN K., US  
[72] WEGERICHS, STEPHAN W., US  
[73] ARCH DEVELOPMENT CORPORATION, US  
[85] 2000-07-12  
[86] 1999-01-14 (PCT/US1999/000956)  
[87] (WO1999/036920)  
[30] US (09/006,713) 1998-01-14

---

[11] 2,318,228  
[13] C

[51] Int.Cl. 6B65D 47/20 6B65D 47/08  
[25] EN  
[54] DISPENSING CLOSURE FOR PACKAGE CONTAINING A CONSUMABLE BEVERAGE  
[54] FERMETURE DE DISTRIBUTION POUR EMBALLAGE CONTENANT UNE BOISSON  
[72] WOOD, CHRISTOPHER J., US  
[72] SOCIER, TIMOTHY R., US  
[72] BROWN, PAUL E., US  
[72] LAMPE, WILLIAM H., US  
[72] RANDALL, JEFFREY T., US  
[73] APTARGROUP, INC., US  
[73] THE COCA-COLA COMPANY, US  
[85] 2000-07-14  
[86] 1999-01-21 (PCT/US1999/001252)  
[87] (WO1999/037552)  
[30] US (09/010074) 1998-01-21

---

[11] 2,319,262  
[13] C

[51] Int.Cl. 6F25D 3/02  
[25] EN  
[54] STORAGE EQUIPMENT AND STORAGE METHOD  
[54] EQUIPEMENT ET PROCEDE DE STOCKAGE  
[72] DOKOSHI, JUN, JP  
[73] DOKOSHI, HITOSHI, JP  
[73] DAICOLO CO., LTD., JP  
[73] DOKOSHI, JUN, JP  
[85] 2000-07-21  
[86] 1999-01-21 (PCT/JP1999/000235)  
[87] (WO1999/037959)  
[30] JP (10/48520) 1998-01-22  
[30] JP (10/1351) 1998-02-02  
[30] JP (11/5257) 1999-01-12

---

[11] 2,319,933  
[13] C

[51] Int.Cl. 7B23K 9/10 7B23K 9/095  
[25] EN  
[54] ELECTRIC ARC WELDER WITH A PLURALITY OF POWER SUPPLIES  
[54] MACHINE A SOUDER A L'ARC AVEC MULTIPLICITE DE BLOCS D'ALIMENTATION  
[72] STAVA, ELLIOTT K., US  
[73] LINCOLN GLOBAL, INC., US  
[22] 2000-09-18  
[30] US (09/406,406) 1999-09-27

---

[11] 2,320,586  
[13] C

[51] Int.Cl. 7B65B 67/12  
[25] EN  
[54] ADJUSTABLE GARBAGE BAG HOLDER  
[54] PORTE-SAC A VIDANGES REGLABLE  
[72] CHANG, WILLIAM NAI-JEN, CA  
[73] CHANG, WILLIAM NAI-JEN, CA  
[22] 2000-09-26  
[30] US (09/531,298) 2000-03-20

---

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,321,412**  
[13] C

[51] Int.Cl. 7H04Q 7/36 7H04M 3/533  
[25] EN  
[54] ALTERNATIVE MESSAGE USAGE  
FOR VOICE MAIL RETRIEVAL VIA  
REVERTIVE CALLING  
[54] UTILISATION DE MESSAGE DE  
RECHARGE POUR RECHERCHE DANS  
UN SYSTEME DE MESSAGERIE  
VOCALE PAR APPEL A UN  
COABONNE  
[72] BOYLE, PATRICK JOSEPH, US  
[72] BOLAND, RICHARD ROBERT, US  
[72] SUERO, SALVATORE, US  
[72] LOPEZ, ISMAEL JR., US  
[72] MCCORMICK, MARK ALAN, US  
[73] LUCENT TECHNOLOGIES INC., US  
[22] 2000-09-29  
[30] US (09/412,282) 1999-10-05

---

[11] **2,325,376**  
[13] C

[51] Int.Cl. 6B29B 7/76  
[25] EN  
[54] MODULAR FOAM DISPENSER  
[54] DISTRIBUTEUR DE MOUSSE  
MODULAIRE  
[72] LEE, WILLIAM, US  
[72] CORRIGAN, JOHN JOSEPH III, US  
[72] BETRAM, GEORGE TEOFILIUS, US  
[72] FLEMING, ROBERT N., US  
[73] SEALED AIR CORPORATION (US),  
US  
[85] 2000-09-21  
[86] 1999-03-12 (PCT/US1999/005476)  
[87] (WO1999/050037)  
[30] US (09/052,640) 1998-03-31

---

[11] **2,326,518**  
[13] C

[51] Int.Cl. 7B65G 17/08  
[25] EN  
[54] CONVEYOR MAT  
[54] TAPIS TRANPORTEUR  
[72] VAN ZIJDERVELD, GEORGE  
JOHANNES, NL  
[72] VAN ESCH, FRANCISCUS  
JOSEPHUS MARIA, NL  
[73] MCC NEDERLAND B.V., NL  
[85] 2000-09-29  
[86] 1999-03-30 (PCT/NL1999/000183)  
[87] (WO1999/050160)  
[30] NL (1008743) 1998-03-30  
[30] US (60/079,962) 1998-03-30

---

[11] **2,326,970**  
[13] C  
[51] Int.Cl. 7C07D 231/12 7A61P 29/00  
7C07D 401/04 7C07D 403/04 7C07D 405/  
10 7C07D 417/10 7C07D 231/14 7C07D  
401/14 7C07D 403/14 7C07D 405/14  
7C07D 409/14 7C07D 417/14 7A61K 31/  
415 7A61K 31/4439 7A61K 31/495 7A61K  
31/5377  
[25] EN  
[54] ACETYLENE DERIVATIVES AS  
ANTI-INFLAMMATORY/ANALGESIC  
AGENTS  
[54] DERIVES D'ACETYLENE EN  
TANT QU'AGENTS ANTI-  
INFLAMMATOIRES ET  
ANALGESIQUES  
[72] CHENG, HENGMAIO, US  
[72] KAWAI, AKIYOSHI, JP  
[73] PFIZER PRODUCTS INC., US  
[22] 2000-11-28  
[30] US (60/168,698) 1999-12-03

---

[11] **2,327,162**  
[13] C  
[51] Int.Cl. 7H04Q 3/42 7H04L 12/20  
7H04L 12/24 7H04L 12/66  
[25] EN  
[54] PROTECTING  
COMMUNICATIONS NETWORK  
INTEGRITY  
[54] PROTECTION DE L'INTEGRITE  
D'UN RESEAU DE COMMUNICATIONS  
[72] ARAVAMUDAN, MURALI, US  
[72] NAQVI, SHAMIM A., US  
[73] LUCENT TECHNOLOGIES INC., US  
[22] 2000-11-30  
[30] US (09/481,951) 2000-01-12

---

[11] **2,327,510**  
[13] C  
[51] Int.Cl. 7H03F 1/32 7H04Q 7/36  
[25] EN  
[54] FEED-FORWARD AMPLIFIER  
AND CONTROLLER OF THE SAME  
[54] AMPLIFICATEUR A  
CORRECTION AVANT ET  
CONTROLEUR CONNEXE  
[72] ITO, AKIRA, JP  
[72] YAMASHITA, KAZUO, JP  
[72] ITO, KEIJIRO, JP  
[72] SAKAMOTO, HIRONORI, JP  
[72] YAMADA, AKIRA, JP  
[72] KAWASUMI, NORIHISA, JP  
[73] JAPAN RADIO CO., LTD., JP  
[22] 2000-12-04  
[30] JP (11-374869) 1999-12-28

---

[11] **2,328,388**  
[13] C

[51] Int.Cl. 6C09D 5/44 6C08G 18/08  
[25] EN  
[54] PROCESS FOR FORMING A TWO-  
COAT ELECTRODEPOSITED  
COMPOSITE COATING  
[54] PROCEDE PERMETTANT DE  
FORMER PAR ELECTRODEPOSITION  
UN REVETEMENT COMPOSITE A  
DEUX COUCHES  
[72] PALAIKA, THOMAS, US  
[72] CORRIGAN, VICTOR G., US  
[72] VAN BUSKIRK, ELLOR J., US  
[72] ZWACK, ROBERT R., US  
[72] SZYMANSKI, CHESTER J., US  
[72] WILSON, CRAIG A., US  
[72] FAUCHER, PHILIPPE, FR  
[72] POOLE, JAMES E., US  
[72] RITTER, KEITH S., US  
[72] SYPUT, RICHARD F., US  
[72] MCCOLLUM, GREGORY J., US  
[72] ESWARAKRISHNAN,  
VENKATACHALAM, US  
[73] PPG INDUSTRIES OHIO, INC., US  
[85] 2000-10-13  
[86] 1999-05-25 (PCT/US1999/011507)  
[87] (WO1999/061532)  
[30] US (60/086,693) 1998-05-26  
[30] US (60/086,707) 1998-05-26  
[30] US (09/309,851) 1999-05-11

---

[11] **2,329,496**  
[13] C

[51] Int.Cl. 7B41F 13/016  
[25] EN  
[54] DEVICE FOR FEEDING A  
PRESSURE MEDIUM TO A CYLINDER  
BEARING A PRINTING PLATE OR A  
RUBBER BLANKET  
[54] DISPOSITIF POUR  
L'ALIMENTATION EN PRESSION  
D'UN CYLINDRE PORTANT UNE  
PLANCHE D'IMPRESSION OU UN  
BLANCHET DE CAOUTCHOUC  
[72] GOTTLING, JOSEF, DE  
[72] PETERSEN, GODBER, DE  
[73] MAN ROLAND DRUCKMASCHINEN  
AG, DE  
[22] 2000-12-22  
[30] DE (199 61 866.6) 1999-12-22

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Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,329,788  
[13] C

- [51] Int.Cl. 6C07D 215/56 6A61K 31/47  
[25] EN  
[54] QUINOLINE DERIVATIVES  
[54] DERIVES DE QUINOLINE  
[72] FEX, TOMAS, SE  
[72] BJORK, ANDERS, SE  
[72] JONSSON, STIG, SE  
[72] HEDLUND, GUNNAR, SE  
[73] ACTIVE BIOTECH AB, SE  
[85] 2000-10-25  
[86] 1999-04-26 (PCT/SE1999/000676)  
[87] (WO1999/055678)  
[30] SE (9801474-9) 1998-04-27
- 

[11] 2,330,643  
[13] C

- [51] Int.Cl. 6G08C 19/16 6G08B 23/00  
6G08C 19/00 6H04M 11/00 6G01R 19/00  
6G01R 21/00 6G08C 15/06 6G08C 19/20  
[25] EN  
[54] WIRELESS AREA NETWORK  
COMMUNICATIONS MODULE FOR  
UTILITY METERS  
[54] MODULE DE COMMUNICATION  
SANS FIL AVEC UN RESEAU DE  
JONCTION, POUR COMPTEURS DE  
CONSOMMATION  
[72] DUNN, DAVID E., US  
[72] MEYER, PETER R., US  
[72] HEMMINGER, RODNEY C., US  
[72] CUNNINGHAM, CHARLES JR., US  
[72] LOY, GARRY M., US  
[73] ELSTER ELECTRICITY, L.L.C., US  
[85] 2000-10-31  
[86] 1999-04-29 (PCT/US1999/009361)  
[87] (WO1999/057697)  
[30] US (60/083,949) 1998-05-01
- 

[11] 2,330,915  
[13] C

- [51] Int.Cl. 6C08G 73/02 6C08G 69/48  
[25] EN  
[54] TERTIARY AMINE  
POLYAMIDOAMINE-  
EPIHALOHYDRIN POLYMERS  
[54] POLYMERES  
D'EPIHALOHYDRINE-  
POLYAMIDOAMINE A AMINE  
TERTIAIRE  
[72] BOWER, BARTON K., US  
[73] HERCULES INCORPORATED, US  
[85] 2000-10-30  
[86] 1999-05-03 (PCT/US1999/006562)  
[87] (WO1999/057175)  
[30] US (09/071,902) 1998-05-04
- 

[11] 2,330,942  
[13] C

- [51] Int.Cl. 7C07D 295/108 7C07D 401/12  
7C07D 403/12 7C07D 295/13 7C07D 241/  
28 7C07D 213/65  
[25] EN  
[54] PIPERAZINE DERIVATIVES AND  
PROCESS FOR THE PREPARATION  
THEREOF  
[54] DERIVES DE PIPERAZINE ET  
LEUR PROCEDE DE PREPARATION  
[72] JOO, JEONG-HO, KR  
[72] KWON, HO-SEOK, KR  
[72] LEE, SUN-HWAN, KR  
[72] KANG, DONG-WOOK, KR  
[72] CHUNG, SUN-GAN, KR  
[72] LEE, YOUNG-HEE, KR  
[72] CHO, EUI-HWAN, KR  
[73] SAMJIN PHARMACEUTICAL CO.,  
LTD., KR  
[85] 2000-10-31  
[86] 2000-03-03 (PCT/KR2000/000164)  
[87] (WO2000/052001)  
[30] KR (1999/6890) 1999-03-03  
[30] KR (1999/7266) 1999-03-05  
[30] KR (1999/8088) 1999-03-11  
[30] KR (1999/11254) 1999-03-31
- 

[11] 2,332,087  
[13] C

- [51] Int.Cl. 7C07D 471/04 7A61P 31/18  
7A61K 31/437 7A61K 31/444  
[25] EN  
[54] ARYL SUBSTITUTED  
AZABENZIMIDAZOLES AND THEIR  
USE IN THE TREATMENT OF HIV AND  
AIDS RELATED DISEASES  
[54] AZABENZIMIDAZOLES ARYLES  
ET LEUR UTILISATION POUR LE  
TRAITEMENT DE MALADIES  
RELIEES AU VIH ET AU SIDA  
[72] GOLDSTEIN, STEVEN WAYNE, US  
[72] STIRTAN, WILLIAM GEORGE, US  
[72] SHERER, BRAIN ALAN, US  
[73] PFIZER PRODUCTS INC., US  
[22] 2001-01-23  
[30] US (60/177,920) 2000-01-25
- 

[11] 2,334,051  
[13] C

- [51] Int.Cl. 7G08C 23/06 7G01D 7/02  
[25] EN  
[54] METHOD AND SENSOR  
ARRANGEMENT FOR MEASURING  
TEMPERATURE AND STRAIN USING  
AN OPTICAL FIBER EMBEDDED IN A  
COVER LAYER ON A SUBSTRATE  
[54] METHODE ET SYSTEME DE  
DETECTION DE LA TEMPERATURE  
ET DE LA TENSION MECANIQUE EN  
UTILISANT DE LA FIBRE OPTIQUE  
ENFONCEE DANS UNE COUCHE  
PROTECTRICE SUR UN SUBSTRAT  
[72] GLEINE, WOLFGANG, DE  
[72] TRUTZEL, MICHAEL, DE  
[73] AIRBUS DEUTSCHLAND GMBH, DE  
[22] 2001-02-02  
[30] DE (100 04 384.4) 2000-02-02
- 

[11] 2,334,356  
[13] C

- [51] Int.Cl. 6A23G 3/30  
[25] EN  
[54] ELASTOMER PROCESSING  
SYSTEM FOR CHEWING GUM  
[54] SYSTEME DE TRAITEMENT  
D'ELASTOMERE POUR GOMME A  
MACHER  
[72] BUNKERS, JOSEPH, US  
[72] UPMANN, ARTHUR W., US  
[72] DEGADY, MARC, US  
[72] DUGGAN, JAMES A., US  
[72] TEBRINKE, KEVIN RICHARD, US  
[73] CADBURY ADAMS USA LLC, US  
[85] 2000-12-05  
[86] 1998-07-22 (PCT/US1998/015046)  
[87] (WO2000/004792)
- 

[11] 2,334,527  
[13] C

- [51] Int.Cl. 6A61K 33/04 6A61K 31/40  
6A61K 31/495  
[25] EN  
[54] COMBINATION OF SELENIUM-  
CONTAINING COMPOUNDS WITH  
CYTOSTATICS  
[54] COMBINAISON DE COMPOSES  
CONTENANT DU SELENIUM AVEC  
DES CYTOSTATIQUES  
[72] STIEFEL, THOMAS, DE  
[72] ROHRER, HELMUT, DE  
[73] BIOSYN ARZNEIMITTEL GMBH, DE  
[85] 2000-12-06  
[86] 1999-05-31 (PCT/EP1999/003771)  
[87] (WO1999/064018)  
[30] DE (198 25 746.5) 1998-06-09
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**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,334,630**  
 [13] C

[51] Int.Cl. 6H01M 8/02  
 [25] EN  
 [54] FUEL CELL GAS SEPARATOR  
 [54] SEPARATEUR DE GAZ POUR PILE  
 A COMBUSTIBLE  
 [72] MIZUNO, SEIJI, JP  
 [72] YOSHIMURA, JOJI, JP  
 [73] TOYOTA JIDOSHA KABUSHIKI  
 KAISHA, JP  
 [85] 2000-12-07  
 [86] 1999-06-15 (PCT/JP1999/003190)  
 [87] (WO1999/066579)  
 [30] JP (10/189927) 1998-06-18

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[11] **2,335,530**  
 [13] C

[51] Int.Cl. 6G09G 5/00  
 [25] EN  
 [54] MULTI-SOURCED VIDEO  
 DISTRIBUTION HUB  
 [54] CONCENTRATEUR DE  
 DISTRIBUTION VIDEO A SOURCES  
 MULTIPLES  
 [72] ODRYNA, VICTOR, US  
 [72] GILGEN, ROBERT L., US  
 [72] DESMARAIS, MARK A., US  
 [73] CYBEX COMPUTER PRODUCTS  
 CORPORATION, US  
 [85] 2000-12-19  
 [86] 1999-06-15 (PCT/US1999/013442)  
 [87] (WO1999/066489)  
 [30] US (09/100,582) 1998-06-19

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[11] **2,335,879**  
 [13] C

[51] Int.Cl. 6C03B 37/018 6C03C 13/04  
 [25] EN  
 [54] OPTICAL FIBER PREFORM  
 HAVING OH BARRIER AND  
 MANUFACTURING METHOD  
 THEREOF  
 [54] PREFORME DE FIBRE OPTIQUE  
 COMPRENANT UNE BARRIERE OH ET  
 PROCEDE DE PRODUCTION  
 [72] OH, SUNG KOOG, KR  
 [72] SEO, MAN-SEOK, KR  
 [72] YANG, JIN-SEONG, KR  
 [72] DO, MUN-HYUN, KR  
 [73] SAMSUNG ELECTRONIC CO., LTD.,  
 KR  
 [85] 2000-12-21  
 [86] 1999-06-22 (PCT/KR1999/000329)  
 [87] (WO1999/067178)  
 [30] KR (1998/24159) 1998-06-25  
 [30] KR (1999/2696) 1999-01-28

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[11] **2,336,169**  
 [13] C

[51] Int.Cl. 7C09C 3/08 7C09D 17/00  
 7C09C 1/02 7C08K 9/04 7C08L 75/04  
 7B29C 44/46  
 [25] FR  
 [54] PROCEDE POUR TRAITER UNE  
 CHARGE MINERALE PAR UN  
 PHOSPHATE, CHARGE MINERALE  
 AINSI TRAITEE, MOUSSES DE  
 POLYURETHANE ET  
 POLYURETHANES COMPOSITES  
 UTILISANT CETTE CHARGE, OBJETS  
 MOULÉS OU NON LES CONTENANT  
 [54] METHOD FOR PROCESSING  
 MINERAL FILLERS WITH A  
 PHOSPHATE, SAID TREATED  
 FILLERS, POLYURETHANE AND  
 COMPOSITE POLYURETHANE  
 FOAMS USING SAID FILLERS,  
 MOLDED OR NON-MOLDED OBJECT  
 CONTAINING THEM

[72] FICHOU, JEAN-PIERRE, FR  
 [72] BLANCHARD, PIERRE, FR  
 [72] HUSSON, MAURICE, FR  
 [72] RAVET, GEORGES, FR  
 [73] OMYA SAS, FR  
 [85] 2000-12-20  
 [86] 1999-06-17 (PCT/FR1999/001456)  
 [87] (WO2000/000553)  
 [30] FR (98/08483) 1998-06-30

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[11] **2,336,347**  
 [13] C

[51] Int.Cl. 6F21V 9/14 6G02B 26/00  
 [25] EN  
 [54] POLYHALIDE PARTICLES AND  
 LIGHT VALVES COMPRISING SAME  
 [54] PARTICULES DE  
 POLYHALOGENURE ET  
 MODULATEURS DE LUMIERE  
 RENFERMANT DE TELLES  
 PARTICULES  
 [72] FANNING, BARRY, US  
 [72] SLOVAK, STEVEN M., US  
 [72] SAXE, ROBERT L., US  
 [73] RESEARCH FRONTIERS  
 INCORPORATED, US  
 [85] 2000-12-29  
 [86] 1999-07-09 (PCT/US1999/015564)  
 [87] (WO2000/003178)  
 [30] US (60/092,331) 1998-07-09

[11] **2,336,600**  
 [13] C

[51] Int.Cl. 7C22C 38/18 7C22C 38/24  
 7C22C 38/32  
 [25] EN  
 [54] MARTENSITIC STAINLESS STEEL  
 FOR SEAMLESS STEEL PIPE  
 [54] ACIER INOXYDABLE  
 MARTENSITIQUE POUR tuyau en  
 ACIER SANS SOUDURE  
 [72] TANIDA, MUTSUMI, JP  
 [72] NAKANISHI, TETSUYA, JP  
 [73] SUMITOMO METAL INDUSTRIES,  
 LTD., JP  
 [85] 2001-01-03  
 [86] 2000-05-17 (PCT/JP2000/003151)  
 [87] (WO2000/070112)  
 [30] JP (11/137782) 1999-05-18

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[11] **2,337,641**  
 [13] C

[51] Int.Cl. 7B41F 13/20  
 [25] EN  
 [54] STAND OF PRINTING UNIT  
 [54] SUPPORT A UNITE  
 D'IMPRESSION  
 [72] GOTTLING, JOSEF, DE  
 [72] PETERSEN, GODBER, DE  
 [73] MANROLAND DRUCKMASCHINEN  
 AG, DE  
 [22] 2001-02-21  
 [30] DE (100 08 220.3) 2000-02-23

---

[11] **2,338,947**  
 [13] C

[51] Int.Cl. 7A22C 25/18  
 [25] EN  
 [54] DEVICE AND METHOD FOR  
 PROCESSING MEAT  
 [54] DISPOSITIF ET PROCEDE POUR  
 LE TRAITEMENT DE LA VIANDE  
 [72] JURS, MICHAEL, DE  
 [72] TORKLER, CONRAD, DE  
 [72] SCHRODER, MATTHIAS, DE  
 [73] NORDISCHER MASCHINENBAU  
 RUD. BAADER GMBH + CO. KG, DE  
 [85] 2001-01-29  
 [86] 1999-07-23 (PCT/EP1999/005283)  
 [87] (WO2000/007452)  
 [30] DE (198 34 524.0) 1998-07-31

Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,340,403  
[13] C

[51] Int.Cl. 6B22F 9/04 6B22F 1/00 6C22C  
1/04  
[25] EN  
[54] PREPARATION OF  
NANOCRYSTALLINE ALLOYS BY  
MECHANICAL ALLOYING CARRIED  
OUT AT ELEVATED TEMPERATURES  
[54] PREPARATION D'ALLIAGES  
NANOCRISTALLINS PAR BROYAGE  
MECANIQUE A TEMPERATURES  
ELEVEES  
[72] HUOT, JACQUES, CA  
[72] BOILY, SABIN, CA  
[72] SCHULZ, ROBERT, CA  
[72] RIOUX, REYNALD, CA  
[73] HYDRO-QUEBEC, CA  
[85] 2001-02-13  
[86] 1998-09-30 (PCT/CA1998/000939)  
[87] (WO2000/018530)

---

[11] 2,340,919  
[13] C

[51] Int.Cl. 7C08G 59/32  
[25] EN  
[54] THERMOSETTING  
COMPOSITIONS CONTAINING  
EPOXY-FUNCTIONAL POLYMERS  
PREPARED USING ATOM TRANSFER  
RADICAL POLYMERIZATION  
[54] COMPOSITIONS  
THERMODURCISSABLES  
CONTENANT DES POLYMERES A  
FONCTIONNALITE EPOXY PREPARES  
PAR POLYMERISATION  
RADICALE A TRANSFERT  
D'ATOME  
[72] O'DWYER, JAMES B., US  
[72] SIMPSON, DENNIS A., US  
[72] OLSON, KURT G., US  
[72] COCA, SIMION, US  
[73] PPG INDUSTRIES OHIO, INC., US  
[85] 2001-02-15  
[86] 1999-08-30 (PCT/US1999/019796)  
[87] (WO2000/012580)  
[30] US (60/098,622) 1998-08-31  
[30] US (09/375,021) 1999-08-16

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[11] 2,342,043  
[13] C

[51] Int.Cl. 7A23C 19/08 7A23C 9/123  
7A23L 1/304  
[25] EN  
[54] CALCIUM FORTIFICATION OF  
CHEESE  
[54] ENRICHISSEMENT DE FROMAGE  
AVEC DU CALCIUM  
[72] MEHNERT, DAVID WEBB, US  
[72] BRAFFORD, KRISTEEN, US  
[73] KRAFT FOODS, INC., US  
[22] 2001-03-26  
[30] US (09/536,115) 2000-03-27

---

[11] 2,343,529  
[13] C

[51] Int.Cl. 6C08F 20/06 6C08G 8/04  
[25] EN  
[54] ANTIMICROBIAL ACRYLIC  
MATERIAL  
[54] MATIERE ACRYLIQUE  
ANTIMICROBIENNE  
[72] WATTERSON, ROBERT S., III, US  
[72] HANRAHAN, WILLIAM D., US  
[73] MICROBAN PRODUCTS COMPANY,  
US  
[85] 2001-03-05  
[86] 1999-09-08 (PCT/US1999/020531)  
[87] (WO2000/014128)  
[30] US (60/099,391) 1998-09-08

---

[11] 2,346,546  
[13] C

[51] Int.Cl. 7E21B 17/00 7E21B 47/12  
7G01V 3/18  
[25] EN  
[54] DOWNHOLE SIGNAL  
COMMUNICATION AND  
MEASUREMENT THROUGH A METAL  
TUBULAR  
[54] COMMUNICATION DE SIGNAUX  
ET MESURE AU FOND DES PUITS PAR  
L'INTERMEDIAIRE D'UN TUBE  
METALLIQUE  
[72] SMITH, DAVID L., US  
[72] CLARK, BRIAN, US  
[72] RAMASWAMY, DHANANJAY, US  
[72] FREY, MARK T., US  
[72] BONNER, STEPHEN D., US  
[72] COLLINS, ANTHONY L., US  
[72] HUNKA, JOHN, US  
[73] SCHLUMBERGER CANADA  
LIMITED, CA  
[22] 2001-05-07  
[30] US (09/576,271) 2000-05-22

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[11] 2,347,280  
[13] C

[51] Int.Cl. 7C07F 9/6512 7C07D 239/47  
[25] EN  
[54] NOVEL PROCESS FOR THE  
PREPARATION OF NUCLEOTIDES  
[54] NOUVEAU PROCEDE POUR LA  
PREPARATION DE NUCLEOTIDES  
[72] VEMISSETTI, PURUSHOTHAM, US  
[72] BRODFUEHRER, PAUL R., US  
[72] HOWELL, HENRY G., US  
[72] SAPINO, CHESTER JR., US  
[73] REGA STICHTING, VZW, BE  
[73] INSTITUTE OF ORGANIC  
CHEMISTRY AND BIOCHEMISTRY OF  
THE ACADEMY OF SCIENCES OF THE  
CZECH REPUBLIC, CS  
[22] 1991-08-06  
[62] 2,088,363  
[30] US (07/566,200) 1990-08-10

---

[11] 2,347,374  
[13] C

[51] Int.Cl. 7C07D 213/26  
[25] EN  
[54] PREPARATION OF  
CHLOROMETHYL PYRIDINE  
HYDROCHLORIDES  
[54] PREPARATION DE  
CHLORHYDRATES DE  
CHLOROMETHYL PYRIDINE  
[72] PHELAN, DIANE, CA  
[72] LEPAGE, OLIVIER, CA  
[72] L'HEUREUX, ALEXANDRE, CA  
[72] WANG, YUAN, CA  
[72] LIU, LU WEI, CA  
[73] DELMAR CHEMICALS INC., CA  
[85] 2001-04-18  
[86] 1999-10-29 (PCT/CA1999/001005)  
[87] (WO2000/027818)  
[30] US (09/187,402) 1998-11-06

---

[11] 2,347,997  
[13] C

[51] Int.Cl. 7E21B 34/00  
[25] EN  
[54] CONTROL SYSTEM FOR DEEP  
SET SUBSURFACE VALVES  
[54] SYSTEME DE COMMANDE POUR  
VANNES SOUTERRAINES GRANDE  
PROFONDEUR  
[72] BEALL, CLIFFORD H., US  
[72] SHAW, BRIAN S., US  
[73] BAKER HUGHES INCORPORATED,  
US  
[22] 2001-05-17  
[30] US (09/574,150) 2000-05-18

---

**Canadian Patents Issued**  
**November 23, 2004**

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[11] 2,350,375  
 [13] C

[51] Int.Cl. 7B60J 5/00  
 [25] EN  
 [54] COVER FOR FLEXIBLE SIGNAL CONNECTION FOR A TRANSIT VEHICLE DOOR  
 [54] Gaine pour connexions de signaux flexibles d'un véhicule de transport en commun  
 [72] GRIFFIS, DAVID C., XX  
 [73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US  
 [22] 2001-06-13  
 [30] US (09/772,230) 2001-01-29

[11] 2,350,697  
 [13] C

[51] Int.Cl. 7B01D 53/04 7B01J 19/12  
 7B01J 20/34  
 [25] EN  
 [54] APPARATUS FOR TREATING GAS CONTAINING SUBSTANCE TO BE DECOMPOSED AND METHOD OF TREATING ITS GAS  
 [54] APPAREIL POUR LE TRAITEMENT DE GAZ CONTENANT UNE SUBSTANCE DEVANT ETRE DECOMPOSEE ET METHODE DE TRAITEMENT DU GAZ  
 [72] KATO, KINYA, JP  
 [73] CANON KABUSHIKI KAISHA, JP  
 [22] 2001-06-14  
 [30] JP (181831/2000) 2000-06-16

[11] 2,351,208  
 [13] C

[51] Int.Cl. 7B23P 19/00  
 [25] EN  
 [54] METHOD FOR THE PRODUCTION OF REINFORCED HOLLOW SECTIONS WITH A CONTINUOUS PERIPHERY  
 [54] METHODE DE PRODUCTION DE PROFILS CREUX RENFORCES A POURTOUR CONTINU  
 [72] HARDTKE, UWE, DE  
 [73] DAIMLERCHRYSLER AG, DE  
 [22] 2001-06-21  
 [30] DE (100 29 467.7) 2000-06-21

[11] 2,351,672  
 [13] C

[51] Int.Cl. 7G02B 17/00 7A63H 33/22  
 [25] FR  
 [54] INSTRUMENT D'OPTIQUE A VISION DU PLAFOND DANS UN MIROIR HORIZONTAL  
 [54] OPTICAL INSTRUMENT WITH UPWARD VIEWING IN A HORIZONTAL MIRROR  
 [72] MAJAX, GERARD, FR  
 [73] MAJAX, GERARD, FR  
 [85] 2001-05-18  
 [86] 1999-10-12 (PCT/FR1999/002454)  
 [87] (WO2001/022145)  
 [30] FR (99/11869) 1999-09-23

[11] 2,353,405  
 [13] C

[51] Int.Cl. 7C06D 5/00 7F42B 3/10 7C06B  
 31/28  
 [25] EN  
 [54] GAS GENERATING COMPOSITION  
 [54] COMPOSITION GENERATRICE DE GAZ  
 [72] SERIZAWA, KAZUYA, JP  
 [72] TAKAHASHI, KATSUHIKO, JP  
 [73] NOF CORPORATION, JP  
 [85] 2001-06-01  
 [86] 1999-10-14 (PCT/JP1999/005666)  
 [87] (WO2001/025169)  
 [30] JP (11/285239) 1999-10-06

[11] 2,353,989  
 [13] C

[51] Int.Cl. 7H04K 1/00  
 [25] EN  
 [54] SECURE SYSTEM USING CONTINUOUSLY-CHANGING FEATURES OF A BODY PART AS A KEY  
 [54] SYSTEME DE SECURITE UTILISANT, COMME CLE, DES CARACTERISTIQUES A VARIATION CONTINUE D'UNE PARTIE DU CORPS  
 [72] BAILEY, KENNETH S., US  
 [73] ECRYP, INC., US  
 [85] 2001-06-05  
 [86] 1999-12-08 (PCT/US1999/029036)  
 [87] (WO2000/035135)  
 [30] US (09/208,283) 1998-12-08

[11] 2,354,105  
 [13] C

[51] Int.Cl. 7B02C 13/02  
 [25] EN  
 [54] REPLACEABLE RAKER ASSEMBLY FOR PROCESSING TOOL OF WASTE PROCESSING MACHINE  
 [54] RATEAU REMPLACABLE POUR OUTIL DE TRAITEMENT D'UNE MACHINE DE TRAITEMENT DES DECHETS  
 [72] SMITH, LEWARD N., US  
 [73] SMITH, LEWARD N., US  
 [22] 2001-07-25  
 [30] US (09/658,481) 2000-09-08

[11] 2,354,981  
 [13] C

[51] Int.Cl. 7B62D 21/20  
 [25] EN  
 [54] VARIABLE HEIGHT GOOSENECK  
 [54] COL DE CYGNE DE HAUTEUR VARIABLE  
 [72] YURGEVICH, HOWARD J., US  
 [73] HYUNDAI PRECISION AMERICA, INC., US  
 [22] 2001-08-13  
 [30] US (09/689,003) 2000-10-12

[11] 2,355,020  
 [13] C

[51] Int.Cl. 7A01D 61/00  
 [25] EN  
 [54] DOUBLE WINDROW ATTACHMENT LIFT MECHANISM FOR HARVESTERS  
 [54] ACCESSOIRE DE MECANISME DE LEVAGE POUR ARRACHEUSE PERMETTANT DE FORMER DEUX ANDAINS  
 [72] LOHRENTZ, RANDY, US  
 [73] HAY & FORAGE INDUSTRIES, US  
 [22] 2001-08-14  
 [30] US (09/642,423) 2000-08-21

Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,355,192  
[13] C

[51] Int.Cl. 7H04Q 7/36 7H04Q 11/02  
7H04L 12/56  
[25] EN  
[54] PACKET DATA  
COMMUNICATION SYSTEM  
[54] SYSTEME DE TRANSMISSION DE  
DONNEES PAR PAQUETS  
[72] TYMES, LAROY, US  
[73] SYMBOL TECHNOLOGIES, INC., US  
[22] 1991-09-12  
[62] 2,051,212  
[30] US (635,859) 1990-12-28

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[11] 2,356,107  
[13] C

[51] Int.Cl. 7B32B 27/06 7B32B 15/08  
7B32B 27/32 7B65D 65/38  
[25] EN  
[54] FLEXIBLE NON-FOIL-BASED  
RETORT PACKAGE  
[54] MATERIAU D'EMBALLAGE  
STERILISABLE, SOUPLE, EXEMPT DE  
FEUILLE D'ALUMINIUM  
[72] BENSUR, FRANCIS J., US  
[73] SONOCO DEVELOPMENT, INC., US  
[22] 2001-08-30  
[30] US (09/782,639) 2001-02-13

---

[11] 2,356,789  
[13] C

[51] Int.Cl. 7B01J 19/32 7F25J 3/02  
[25] EN  
[54] STRUCTURED PACKING WITH  
ASYMMETRIC CRIMP PATTERN  
[54] EMBALLAGE STRUCTURE AVEC  
PATRON ONDULE ASYMETRIQUE  
[72] BILLINGHAM, JOHN FREDRIC, US  
[72] LOCKETT, MICHAEL JAMES, US  
[73] PRAXAIR TECHNOLOGY, INC., US  
[22] 2001-09-06  
[30] US (09/656,943) 2000-09-07

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[11] 2,356,977  
[13] C

[51] Int.Cl. 7A23L 3/00 7B01J 8/46  
[25] EN  
[54] APPARATUS FOR GAS  
TREATMENT OF PRODUCTS  
[54] APPAREIL DE TRAITEMENT  
GAZEUX DE PRODUITS  
[72] MALMBERG, JONNY, SE  
[72] WILSON, RICK, US  
[72] BLIXT, PER, SE  
[72] HOCKER, JON A., US  
[73] FRIGOSCANDIA EQUIPMENT AB,  
SE  
[85] 2001-06-28  
[86] 2000-01-20 (PCT/SE2000/000110)  
[87] (WO2000/042869)  
[30] SE (9900166-1) 1999-01-20

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[11] 2,357,190  
[13] C

[51] Int.Cl. 7F01P 11/12 7F02F 7/00 7F02B  
63/02 7F01P 5/02  
[25] EN  
[54] FOREIGN MATTER  
ENTANGLEMENT-PREVENTING  
DEVICE IN WORKING ENGINE  
[54] DISPOSITIF QUI EMPECHE  
L'ENCHEVETREMENT DE MATIERES  
ETRANGERES DANS UN MOTEUR DE  
SERVICE  
[72] HIGASHI, KENJI, JP  
[72] ITO, KEITA, JP  
[72] NISHIDA, TAKAO, JP  
[72] MAEDA, TAKESHI, JP  
[73] HONDA GIKEN KOGYO  
KABUSHIKI KAISHA (ALSO TRADING  
AS HONDA MOTOR CO., LTD.), JP  
[22] 2001-09-12  
[30] JP (2000-278544) 2000-09-13

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[11] 2,357,191  
[13] C

[51] Int.Cl. 7H04B 1/06 7H04B 1/10  
7H04B 1/16  
[25] EN  
[54] DC RESTORATION CIRCUIT FOR  
A RADIO RECEIVER  
[54] CIRCUIT DE RETABLISSEMENT  
DE COMPOSANTE C.C. POUR  
RECEPTEUR RADIO  
[72] BEAUDIN, ANDRE, CA  
[73] DATARADIO INC., CA  
[22] 2001-09-07  
[30] US (09/659,916) 2000-09-12

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[11] 2,357,368  
[13] C

[51] Int.Cl. 7B21D 7/00 7B21B 1/08  
[25] EN  
[54] PROCESS FOR PRODUCING A  
CIRCUMFERENTIALLY CLOSED  
HOLLOW PROFILE  
[54] PROCEDE POUR PRODUIRE UN  
PROFIL CREUX FERME DANS SA  
CIRCONFERENCE  
[72] DUDZIAK, KAI-UWE, DE  
[73] DAIMLERCHRYSLER AG, DE  
[22] 2001-09-13  
[30] DE (10045938.2-14) 2000-09-16

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[11] 2,357,629  
[13] C

[51] Int.Cl. 7B23B 5/08  
[25] EN  
[54] LATHE ATTACHMENT FOR A  
PORTABLE BANDSAW MILL  
[54] ACCESSOIRE DE TOURNAGE  
POUR SCIE A RUBAN PORTATIVE  
[72] RIOUX, YVES, CA  
[73] RIOUX, YVES, CA  
[22] 2001-09-21  
[30] CA (2,320,648) 2000-09-25

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[11] 2,357,840  
[13] C

[51] Int.Cl. 7E02D 19/00  
[25] EN  
[54] SHEET-LIKE MASONRY BLOCK  
DRAINAGE SYSTEM  
[54] SYSTEME DE DRAINAGE EN  
FORME DE FEUILLE POUR BLOC DE  
MACONNERIE  
[72] STRIEDNIG, JOHN A., US  
[72] BARTLETT, KEITH R., US  
[72] JENKINS, ROBERT F., US  
[72] STARKE, DONALD A., US  
[73] W.R. GRACE & CO.-CONN., US  
[85] 2001-07-04  
[86] 2000-01-03 (PCT/US2000/000036)  
[87] (WO2000/040809)  
[30] US (60/114,780) 1999-01-05

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,357,916**  
[13] C

[51] Int.Cl. 7H04B 1/18 7H04B 7/00  
[25] EN  
[54] ADAPTIVE ANTENNA ARRAY  
FOR MOBILE COMMUNICATION  
[54] RESEAU D'ANTENNES  
ADAPTATIVES POUR  
TELECOMMUNICATION MOBILE  
[72] ZHANG, DEMING, CA  
[73] UNIQUE BROADBAND SYSTEMS,  
INC., CA  
[22] 2001-09-27  
[30] US (09/702,606) 2000-11-01

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[11] **2,358,255**  
[13] C

[51] Int.Cl. 7A22C 13/00 7B29D 22/00  
7B29D 23/00  
[25] EN  
[54] THERMOPLASTIC FOOD CASING  
[54] CONTENANT  
THERMOPLASTIQUE POUR  
ALIMENTS  
[72] YEN, WILLIAM W., US  
[73] YEN, WILLIAM W., US  
[85] 2001-06-29  
[86] 1999-12-29 (PCT/US1999/031206)  
[87] (WO2000/040093)  
[30] US (09/225,023) 1999-01-04

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[11] **2,360,909**  
[13] C

[51] Int.Cl. 7H04B 1/69 7H04Q 7/36  
[25] EN  
[54] SYSTEM AND METHOD FOR  
GENERATING SIGNAL WAVEFORMS  
IN A CDMA CELLULAR TELEPHONE  
SYSTEM  
[54] SYSTEME ET METHODE DE  
GENERATION DE FORMES D'ONDE  
DE SIGNAL DANS UN SYSTEME  
TELEPHONIQUE CELLULAIRE AMDC  
[72] WEAVER, LINDSAY A., JR., US  
[72] PADOVANI, ROBERTO, US  
[72] JACOBS, IRWIN M., US  
[72] GILHOUSEN, KLEIN S., US  
[72] WHEATLEY, CHARLES E., III, US  
[72] VITERBI, ANDREW J., US  
[73] QUALCOMM, INC., US  
[22] 1991-06-21  
[62] 2,085,890  
[30] US (543,496) 1990-06-25

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[11] **2,363,082**  
[13] C

[51] Int.Cl. 7B66D 5/14 7B66D 3/16  
[25] EN  
[54] LIFTING DEVICE  
[54] APPAREIL DE LEVAGE  
[72] STRUCK, DETLEF, DE  
[73] YALE INDUSTRIAL PRODUCTS  
GMBH, DE  
[85] 2001-08-10  
[86] 2000-12-02 (PCT/DE2000/004325)  
[87] (WO2001/044100)  
[30] DE (199 59 999.8) 1999-12-13

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[11] **2,364,293**  
[13] C

[51] Int.Cl. 7G06F 17/60 7G10L 17/00  
7G11B 20/10 7H04L 9/32  
[25] EN  
[54] METHOD AND SYSTEM FOR  
SECURELY RECORDING A VERBAL  
TRANSACTION  
[54] METHODE ET SYSTEME  
D'ENREGISTREMENT SECURISE DE  
TRANSACTION VERBALE  
[72] COCKERILL, CARTER, CA  
[72] CRAIG, JAMES, CA  
[72] OSBURN, ANDREW, CA  
[72] BERNARD, JEREMY, CA  
[72] BOYLE, MARK, CA  
[73] DIAPHONICS, INC., CA  
[22] 2001-12-05  
[30] CA (2,327,610) 2000-12-05

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[11] **2,364,511**  
[13] C

[51] Int.Cl. 7B61F 5/12  
[25] EN  
[54] IMPROVED FRICTION SHOE FOR  
FREIGHT CAR TRUCK  
[54] SABOT DE FRICTION AMELIORE  
POUR BOGIE A MARCHANDISES  
[72] PIERSON, SCOTT K., US  
[72] WRONKIEWICZ, ROBERT D., US  
[73] AMSTED INDUSTRIES  
INCORPORATED, US  
[22] 2001-12-06  
[30] US (09/743,000) 2000-12-20

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[11] **2,366,309**  
[13] C

[51] Int.Cl. 7G01N 33/92  
[25] EN  
[54] METHOD AND DEVICE FOR  
DETECTION OF APO A, APO B AND  
THE RATIO THEREOF IN SALIVA  
[54] METHODE ET APPAREIL DE  
DETECTION D'APO A, D'APO B ET DE  
LEUR TAUX DANS LA SALIVE  
[72] JONES, CHRISTOPHER L., US  
[72] FITZPATRICK, JUDITH, US  
[72] LENDA, REGINA B., US  
[73] SEREX, INC., US  
[85] 2001-09-17  
[86] 2000-03-16 (PCT/US2000/006810)  
[87] (WO2000/055635)  
[30] US (60/124,562) 1999-03-16

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[11] **2,375,281**  
[13] C

[51] Int.Cl. 7B67D 5/56  
[25] EN  
[54] BEVERAGE DISPENSER WITH AN  
IMPROVED COOLING CHAMBER  
CONFIGURATION  
[54] DISTRIBUTEUR DE BOISSON  
PRESENTANT UNE CONFIGURATION  
A CHAMBRE DE REFROIDISSEMENT  
AMELIOREE  
[72] SIMMONS, DARREN W., US  
[72] HAWKINS, JOHN THOMAS JR., US  
[73] LANCER PARTNERSHIP, LTD., US  
[85] 2001-11-27  
[86] 2000-06-02 (PCT/US2000/015347)  
[87] (WO2000/075067)  
[30] US (09/326,527) 1999-06-04

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[11] **2,377,578**  
[13] C

[51] Int.Cl. 7G01M 7/00  
[25] EN  
[54] VIBRATION TESTING  
APPARATUS AND METHOD USING  
ACOUSTICAL WAVES  
[54] PROCEDE ET APPAREIL POUR  
ESSAIS DE VIBRATION UTILISANT  
DES ONDES ACOUSTIQUES  
[72] THOMAS, MARC, CA  
[72] AUBE, JACQUES, CA  
[72] LAVILLE, FREDERIC, CA  
[72] LAFLEUR, FRANCOIS, CA  
[73] CENTRE DE RECHERCHE  
INDUSTRIELLE DU QUEBEC, CA  
[85] 2001-12-21  
[86] 2000-06-28 (PCT/CA2000/000784)  
[87] (WO2001/001103)

Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,377,975  
[13] C

[51] Int.Cl. 7A61M 1/00  
[25] EN  
[54] FAST RESPONSE INTRA-AORTIC BALLOON PUMP  
[54] POMPE A BALLONNET INTRA-AORTIQUE A REACTION RAPIDE  
[72] LESCHINSKY, BORIS, US  
[72] WILLIAMS, JONATHAN R., US  
[73] DATASCOPE INVESTMENT CORPORATION, US  
[85] 2001-12-27  
[86] 2000-05-26 (PCT/US2000/014517)  
[87] (WO2001/005446)  
[30] US (09/356,096) 1999-07-16

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[11] 2,381,282  
[13] C

[51] Int.Cl. 7B63H 9/06  
[25] EN  
[54] MULTISECTION SAIL BODY AND METHOD FOR MAKING  
[54] CORPS DE VOILE  
MULTISECTION ET PROCEDE DE FABRICATION  
[72] BAUDET, JEAN-PIERRE, CH  
[73] BAUDET, JEAN-PIERRE, CH  
[85] 2002-02-04  
[86] 2000-09-08 (PCT/US2000/024812)  
[87] (WO2001/017848)  
[30] US (09/393,132) 1999-09-10

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[11] 2,382,895  
[13] C

[51] Int.Cl. 7H04M 3/56  
[25] FR  
[54] IDENTIFICATION D'INTERVENANT DANS UNE TELEREUNION  
[54] IDENTIFICATION OF PARTICIPANT IN A TELECONFERENCE  
[72] LANIEPCE, SYLVIE, FR  
[72] CHARLET, DELPHINE, FR  
[73] FRANCE TELECOM, FR  
[85] 2002-02-25  
[86] 2000-09-25 (PCT/FR2000/002648)  
[87] (WO2001/028214)  
[30] FR (99/12942) 1999-10-14

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[11] 2,383,464  
[13] C

[51] Int.Cl. 7C08B 15/04  
[25] EN  
[54] HYPOCHLORITE FREE METHOD FOR PREPARATION OF STABLE CARBOXYLATED CARBOHYDRATE PRODUCTS  
[54] METHODE DE PREPARATION SANS HYPOCHLORITE DE PRODUITS STABLES A BASE DE GLUCIDES CARBOXYLES  
[72] KOMEN, JOSEPH LINCOLN, US  
[72] JEWELL, RICHARD A., US  
[72] WEERAWARNA, S. ANANDA, US  
[73] WEYERHAEUSER COMPANY, US  
[22] 2002-04-26  
[30] US (09/875,177) 2001-06-06

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[11] 2,386,477  
[13] C

[51] Int.Cl. 7H04L 27/34 7H04B 1/62  
[25] EN  
[54] FEEDBACK COMPENSATION DETECTOR FOR A DIRECT CONVERSION TRANSMITTER  
[54] DETECTEUR A COMPENSATION PAR REACTION POUR UN EMETTEUR A CONVERSION DIRECTE  
[72] NIELSEN, JORGENSEN S., CA  
[73] RESEARCH IN MOTION LIMITED, CA  
[22] 2002-05-15  
[30] US (60/291,239) 2001-05-15

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[11] 2,388,097  
[13] C

[51] Int.Cl. 7H04S 1/00  
[25] EN  
[54] SIGNAL PROCESSING APPARATUS, SIGNAL PROCESSING METHOD, PROGRAM AND RECORDING MEDIUM  
[54] APPAREIL DE TRAITEMENT DU SIGNAL, PROCEDE DE TRAITEMENT DU SIGNAL, PROGRAMME ET SUPPORT D'ENREGISTREMENT CORRESPONDANT  
[72] KATAYAMA, TAKASHI, JP  
[72] SUEYOSHI, MASAHIRO, JP  
[72] NISHIO, KOSUKE, JP  
[72] MATSUMOTO, MASAHIRO, JP  
[72] FUJITA, TAKESHI, JP  
[72] ABE, KAZUTAKA, JP  
[72] KAWAMURA, AKIHLA, JP  
[73] MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JP  
[85] 2002-04-18  
[86] 2001-08-27 (PCT/JP2001/007341)  
[87] (WO2002/019767)  
[30] JP (2000-258533) 2000-08-29

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[11] 2,385,204  
[13] C

[51] Int.Cl. 7G09B 9/00  
[25] EN  
[54] 3-DIMENSIONAL APPARATUS FOR SELF-PACED INTEGRATED PROCEDURE TRAINING AND METHOD OF USING SAME  
[54] APPAREIL TRIDIMENSIONNEL POUR LA FORMATION PERSONNALISEE EN PROCEDURES INTEGREES, ET METHODE D'UTILISATION  
[72] ASMAR, MICHELE, CA  
[72] QUIMPER, REMI, CA  
[72] ETHIER, LUC, CA  
[73] CAE INC., CA  
[22] 2002-05-07

---

[11] 2,388,391  
[13] C

[51] Int.Cl. 7E21B 33/072  
[25] EN  
[54] RECIPROCATING LUBRICATOR  
[54] LUBRIFICATEUR A MOUVEMENT ALTERNATIF  
[72] DALLAS, L. MURRAY, US  
[73] DALLAS, L. MURRAY, US  
[22] 2002-05-31

**Canadian Patents Issued**  
**November 23, 2004**

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[11] **2,391,813**  
 [13] C

[51] Int.Cl. 7A01C 1/06 7A01H 4/00  
 [25] EN  
**[54] AN END SEAL FOR A MANUFACTURED SEED AND A METHOD OF MANUFACTURING AND ATTACHING THE SAME**  
**[54] EMBOUT OBTURATEUR POUR GRAINE ARTIFICIELLE ET PROCEDE DE FABRICATION ET DE FIXATION DUDIT EMBOUT**  
 [72] HIRAHARA, EDWIN, US  
 [73] WEYERHAEUSER COMPANY, US  
 [85] 2002-01-30  
 [86] 2000-08-22 (PCT/US2000/040719)  
 [87] (WO2001/013701)  
 [30] US (60/150,284) 1999-08-23  
 [30] US (09/644,252) 2000-08-22

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[11] **2,401,926**  
 [13] C

[51] Int.Cl. 7F17C 7/00 7B67D 5/60  
 [25] EN  
**[54] COMBINED LIQUEFIED GAS AND COMPRESSED GAS RE-FUELING STATION AND METHOD OF OPERATING A COMBINED LIQUEFIED GAS AND COMPRESSED GAS RE-FUELING STATION**  
**[54] STATION COMBINEE DE RAVITAILLEMENT EN GAZ LIQUEFIE ET EN GAZ COMPRISE ET METHODE D'EXPLOITATION D'UNE TELLE STATION**  
 [72] URSAN, MIHAI, CA  
 [72] GRAM, ANKER, CA  
 [73] WESTPORT RESEARCH INC., CA  
 [22] 2002-09-06

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[11] **2,403,083**  
 [13] C

[51] Int.Cl. 7B65D 33/25 7A44B 19/26  
 7B29C 47/90  
 [25] EN  
**[54] ZIPPERED RESEALABLE CLOSURE**  
**[54] FERMETURE A GLISIERE A PRESSION**  
 [72] HERRINGTON, F. JOHN JR., US  
 [73] WEBSTER INDUSTRIES DIVISION, US  
 [85] 2002-09-12  
 [86] 2001-03-15 (PCT/US2001/008394)  
 [87] (WO2001/068465)  
 [30] US (60/189,518) 2000-03-15  
 [30] US (09/592,327) 2000-06-13

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[11] **2,410,145**  
 [13] C

[51] Int.Cl. 7A47B 91/00 7B60B 33/00  
 [25] EN  
**[54] STANDARDIZED FURNITURE UNIT AND BRACKET THEREFOR**  
**[54] MOBILIER STANDARDISE ET SUPPORT UTILISE POUR SON ASSEMBLAGE**  
 [72] SCHNELL, CHAD M., US  
 [72] MILLER, GROVER L., US  
 [72] HENRIOTT, JAY M., US  
 [73] KIMBALL INTERNATIONAL, INC., US  
 [22] 1998-09-08  
 [62] 2,246,883  
 [30] US (60/058,311) 1997-09-09  
 [30] US (09/145,768) 1998-09-02

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[11] **2,414,270**  
 [13] C

[51] Int.Cl. 7E03F 5/14 7E03F 5/02 7E02D  
 29/12  
 [25] EN  
**[54] PROTECTOR FOR SEWER SYSTEM INLET**  
**[54] DISPOSITIF PROTECTEUR POUR ENTREE D'EGOUTS**  
 [72] LINDEMULDER, JIM, CA  
 [73] BMP SUPPLIES INC., CA  
 [22] 2002-12-16

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[11] **2,414,286**  
 [13] C

[51] Int.Cl. 7B61D 17/00  
 [25] EN  
**[54] CENTER BEAM CAR WITH DEPRESSED CARGO-CARRYING AREA**

**[54] WAGON LONGERON CENTRAL AVEC ZONE DE TRANSPORT DE FRET SURBAISSEE**  
 [72] SAXTON, GREGORY J., US  
 [72] NIOSI, JOHN N., US  
 [72] JARVIS, JAMES, US  
 [73] GUNDERSON, INC., US  
 [22] 2002-12-13  
 [30] US (10/022601) 2001-12-17  
 [30] US (10/241980) 2002-09-11  
 [30] CA (2,365,736) 2001-12-20

[11] **2,425,463**  
 [13] C

[51] Int.Cl. 7H04B 7/216 7H04J 11/00  
 7H04B 1/69  
 [25] EN  
**[54] POWER CONTROL DEVICE AND METHOD FOR CONTROLLING A REVERSE LINK COMMON CHANNEL IN A CDMA COMMUNICATION SYSTEM**  
**[54] DISPOSITIF ET PROCEDE DE COMMANDE DE PUISSANCE, SERVANT A COMMANDER UN ANAL COMMUN DE LIAISON RETOUR DANS UN SYSTEME DE COMMUNICATION CDMA**  
 [72] MOON, HI CHAN, KR  
 [72] AHN, JAE MIN, KR  
 [72] LEE, HYUN SUK, KR  
 [72] KIM, YOUNG KY, KR  
 [72] CHOI, JIN WOO, KR  
 [73] SAMSUNG ELECTRONIC CO., LTD., KR  
 [22] 1999-03-23  
 [62] 2,324,450  
 [30] KR (1998/10394) 1998-03-23  
 [30] KR (1998/14276) 1998-04-14

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[11] **2,432,893**  
 [13] C

[51] Int.Cl. 7A41D 19/00 7A41D 19/01  
 [25] FR  
**[54] GANT DE PROTECTION**  
**[54] PROTECTIVE GLOVE**  
 [72] BIGNON, LUCAS, FR  
 [72] LION, MATHIEU, FR  
 [73] MASTRAD, FR  
 [85] 2003-06-23  
 [86] 2001-12-19 (PCT/FR2001/004067)  
 [87] (WO2002/051270)  
 [30] FR (00/16910) 2000-12-22

Brevets canadiens délivrés  
23 novembre 2004

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[11] 2,432,945  
[13] C

[51] Int.Cl. 7A61K 31/4415 7A61P 1/08  
7A61K 9/22 7A61K 31/4402  
[25] EN  
[54] USE OF DOXYLAMINE  
SUCCINATE AND PYRIDOXINE  
HYDROCHLORIDE FOR  
PROPHYLAXIS AND TREATMENT OF  
POST-SURGICAL VOMITING  
[54] UTILISATION D'UN SUCCINATE  
DE DOXYLAMINE ET DE  
CHLORHYDRATE DE PYRIDOXINIUM  
POUR LA PROPHYLAXIE ET LE  
TRAITEMENT DES NAUSEES POST-  
CHIRURGICAL  
[72] REEVE, BRENDA, CA  
[73] DUCHESNAY INC., CA  
[22] 2003-07-10

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[11] 2,433,303  
[13] C

[51] Int.Cl. 7B21D 5/14 7B21D 1/02 7B21D  
13/04  
[25] EN  
[54] ROLL-FORMING MACHINE  
[54] MACHINE A PROFILER LES  
FEUILLARDS  
[72] VOTH, KARL E., US  
[72] FISHER, WAYNE, US  
[72] BRADBURY, PHILIP E., US  
[73] THE BRADBURY COMPANY, INC.,  
US  
[22] 2000-01-18  
[62] 2,296,240  
[30] US (09/235,539) 1999-01-22

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[11] 2,433,908  
[13] C

[51] Int.Cl. 7B32B 27/30 7B32B 31/26  
7B65D 75/36  
[25] EN  
[54] THREE PART HIGH MOISTURE  
BARRIER FOR PACKAGES  
[54] BARRIERE D'HUMIDITE ELEVEE  
TRIPARTITE POUR PAQUETS  
[72] CARTER, KEVIN JUNIOR, US  
[72] MILLER, MARK RALPH, US  
[73] KLOECKNER PENTAPLAST OF  
AMERICA, INC., US  
[85] 2003-07-21  
[86] 2002-05-17 (PCT/US2002/015599)  
[87] (WO2003/086754)  
[30] US (10/117,519) 2002-04-05

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[11] 2,439,494  
[13] C

[51] Int.Cl. 7A01G 23/14  
[25] EN  
[54] NAIL SPOUT  
[54] BEC A CLOU  
[72] LABRECQUE, LAURIER, CA  
[73] LABRECQUE, LAURIER, CA  
[22] 2003-09-04

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[11] 2,445,790  
[13] C

[51] Int.Cl. 7G06F 17/40 7G01M 15/00  
7G05B 23/02 7G05B 19/048 7G06F 17/11  
7H04L 12/16 7G05B 19/406 7G06F 17/60  
[25] EN  
[54] SELF-CONTAINED SYSTEM AND  
METHOD FOR REMOTELY  
MONITORING MACHINES  
[54] METHODE ET SYSTEME  
AUTONOME POUR LA  
SURVEILLANCE A DISTANCE DE  
MACHINES  
[72] CELESTINI, STEFANO, CA  
[73] SHOPLOGIX INC., CA  
[22] 2003-11-05

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[11] 2,458,576  
[13] C

[51] Int.Cl. 7E21B 33/138 7E21B 33/10  
[25] EN  
[54] METHODS OF SEALING  
SUBTERRANEAN ZONES  
[54] METHODES POUR OBTURER DES  
ZONES SOUTERRAINES  
[72] SWEATMAN, RONALD E., US  
[73] HALLIBURTON ENERGY  
SERVICES, INC., US  
[22] 1998-03-12  
[62] 2,231,904  
[30] US (08/818,146) 1997-03-14

**Canadian Patents Issued  
November 23, 2004**

# Canadian Applications Open to Public Inspection

October 31, 2004 to November 6, 2004

## Demandes canadiennes mises à la disponibilité du public

31 octobre 2004 au 6 novembre 2004

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[21] 2,426,768  
[13] A1

[51] Int.Cl. 7B63C 9/08  
[25] FR  
[54] VETEMENT DE FLOTTAISON INDIVIDUEL GS-BB  
[54] GS-BB PERSONAL FLOTATION DEVICE  
[72] JONCAS, MANON, CA  
[71] JONCAS, MANON, CA  
[22] 2003-05-01  
[41] 2004-11-01

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[21] 2,427,292  
[13] A1

[51] Int.Cl. 7B60R 1/08  
[25] EN  
[54] BIAS REFLECTION UNIT  
[54] UNITE POLARISEE DE REFLEXION  
[72] FENG, ZHIDE, US  
[71] FENG, ZHIDE, CA  
[22] 2003-05-02  
[41] 2004-11-02

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[21] 2,427,392  
[13] A1

[51] Int.Cl. 7E01F 13/02  
[25] EN  
[54] RETRACTABLE BARRIER  
[54] BARRIERE RETRACTABLE  
[72] LAMB, THOMAS MURRAY, CA  
[72] HOPP, ROBERT WERNER, CA  
[72] RATTAI, ROBERT HERMAN, CA  
[71] LAMB, THOMAS MURRAY, CA  
[71] HOPP, ROBERT WERNER, CA  
[71] RATTAI, ROBERT HERMAN, CA  
[22] 2003-05-01  
[41] 2004-11-01

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[21] 2,427,400  
[13] A1

[51] Int.Cl. 7G06F 17/00 7G06F 9/44  
[25] EN  
[54] A UNIVERSAL PARSER TO RELATE USER'S SPECIFIED PROGRAM AND DATA OBJECTS FOR ANY APPLICATION SYSTEM WRITTEN IN ANY PROGRAMMING LANGUAGE(S)  
[54] ANALYSEUR UNIVERSEL METTANT EN RELATION LES PROGRAMMES ET OBJETS DE donnees SPECIFIES PAR L'UTILISATEUR POUR N'IMPORTE QUEL SYSTEME D'APPLICATION DANS UN LANGAGE DE PROGRAMMATION QUELCONQUE  
[72] IOSSIPHIDIS, JOSEPH, CA  
[71] IOSSIPHIDIS, JOSEPH, CA  
[22] 2003-05-01  
[41] 2004-11-01

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[21] 2,427,405  
[13] A1

[51] Int.Cl. 7G01C 9/12 7G01C 5/00 7B66F 11/00 7G05D 1/04  
[25] EN  
[54] A LEVELING INSTRUMENT, AN ELECTROMECHANICAL LIFTER AND A SELF LEVELING INTEGRATED LIFTING SYSTEM USING BOTH OF THEM  
[54] INSTRUMENT DE CORRECTION DE NIVEAU, APPAREIL ELECTROMECANIQUE DE LEVAGE ET SYSTEME INTEGRE DE LEVAGE A CORRECTION AUTOMATIQUE DE NIVEAU UTILISANT CET INSTRUMENT ET CET APPAREIL  
[72] MAGGIORI, ROBERTO, IT  
[71] MAGGIORI, ROBERTO, IT  
[22] 2003-05-01  
[41] 2004-11-01

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[21] 2,427,409  
[13] A1

[51] Int.Cl. 7F27D 23/00 7F27D 15/02  
[25] EN  
[54] COOLING SYSTEM FOR A TRUNNION RING AND METALLURGICAL FURNACE VESSEL  
[54] SYSTEME DE REFROIDISSEMENT D'ANNEAU A TOURILLON ET DE CONVERTISSEUR DE FOUR METALLURGIQUE  
[72] DUNCAN, WAYNE, CA  
[72] KROEKER, H-RUDI, CA  
[71] WHITING EQUIPMENT CANADA INC., CA  
[22] 2003-05-01  
[41] 2004-11-01

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[21] 2,427,410  
[13] A1

[51] Int.Cl. 7F02G 5/00 7F24H 1/00  
[25] EN  
[54] FLAMELESS HOT OILER  
[54] RECHAUFFEUR SANS COMBUSTION  
[72] FOSTER, DOROTHY, CA  
[72] FOSTER, ROBERT JOSEPH, CA  
[71] LEADER ENERGY SERVICES CORP., CA  
[22] 2003-05-01  
[41] 2004-11-01

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[21] 2,427,416  
[13] A1

[51] Int.Cl. 7A01B 69/00  
[25] EN  
[54] STEERING DEVICE FOR TOWED IMPLEMENTS  
[54] DISPOSITIF DE DIRECTION POUR OUTILS REMORQUES  
[72] HOWELLS, PENNY, CA  
[72] WILTON, BRUCE, CA  
[72] BEAUJOT, PAT, CA  
[72] DEAN, BRIAN, CA  
[72] KENT, BRIAN, CA  
[71] 101039130 SASKATCHEWAN LTD., CA  
[22] 2003-05-01  
[41] 2004-11-01

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**Canadian Applications Open to Public Inspection**  
**October 31, 2004 to November 6, 2004**

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[21] 2,427,437  
 [13] A1

[51] Int.Cl. 7E05F 11/34 7E05F 11/24  
 [25] EN  
**CASEMENT WINDOW OPERATING ASSEMBLY**  
 [54] MECANISME DE FENETRE A BATTANTS  
 [72] CLAVET, ALAIN, CA  
 [71] 2641-4391 QUEBEC INC., CA  
 [22] 2003-05-01  
 [41] 2004-11-01

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[21] 2,427,438  
 [13] A1

[51] Int.Cl. 7A45F 3/16 7A63B 57/00  
 7A63B 71/00 7B62J 9/00 7A45F 3/20  
 [25] FR  
**DISTRIBUTEUR-RESERVOIR D'EAU PERSONNEL**  
 [54] PERSONAL WATER DISPENSER-TANK  
 [72] JAUVIN, MICHEL, CA  
 [71] JAUVIN, MICHEL, CA  
 [22] 2003-05-02  
 [41] 2004-11-02

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[21] 2,427,443  
 [13] A1

[51] Int.Cl. 7A62B 7/12 7B01D 53/04  
 7A62B 7/10 7A61L 9/16 7B01J 20/20  
 [25] FR  
**SYSTEME DE DESINFECTION DE L'AIR**  
 [54] AIR DISINFECTION SYSTEM  
 [72] JAUVIN, MICHEL, CA  
 [71] JAUVIN, MICHEL, CA  
 [22] 2003-05-02  
 [41] 2004-11-02

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[21] 2,427,447  
 [13] A1

[51] Int.Cl. 7A45F 5/10  
 [25] FR  
**PINCES ET HARNAIS POUR LA MANUTENTION DE BUCHES DE BOIS**  
 [54] GRIPPERS AND HARNESS FOR HANDLING WOOD LOGS  
 [72] VINCENT, STEPHANE, CA  
 [71] VINCENT, STEPHANE, CA  
 [22] 2003-05-02  
 [41] 2004-11-02

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[21] 2,427,468  
 [13] A1

[51] Int.Cl. 7G06F 17/30 7G06F 17/20  
 [25] EN  
**METHOD OF PRODUCING A DATABASE HAVING INPUT FROM A SCANNED DOCUMENT**  
 [54] METHODE DE PRODUCTION D'UNE BASE DE DONNEES A PARTIR D'UN DOCUMENT BALAYE  
 [72] JANSONS, GIRTS, CA  
 [72] TIGWELL, ROB, CA  
 [71] JANSONS, GIRTS, CA  
 [71] TIGWELL, ROB, CA  
 [22] 2003-05-02  
 [41] 2004-11-02

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[21] 2,427,479  
 [13] A1

[51] Int.Cl. 7A41D 13/12 7A41D 1/02  
 [25] FR  
**JACKET JETTABLE**  
 [54] DISPOSABLE JACKET  
 [72] TOUTAH, ABDULLAH, CA  
 [71] TOUTAH, ABDULLAH, CA  
 [22] 2003-05-02  
 [41] 2004-11-02

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[21] 2,427,494  
 [13] A1

[51] Int.Cl. 7A01G 23/04 7A01C 5/00  
 [25] EN  
**METHOD AND DEVICES AND PRODUCT FOR PLANTING TREES ENABLING EASE OF WATERING AND SUPPRESSION OF WEEDS**  
 [54] METHODE ET DISPOSITIFS AINSI QUE PRODUIT POUR LA PLANTATION D'ARBRES QUI FACILITENT L'ARROSAGE ET LA SUPPRESSION DES MAUVAISES HERBES  
 [72] LEAKOS, MARK A., CA  
 [71] LEAKOS, MARK A., CA  
 [22] 2003-05-02  
 [41] 2004-11-02

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[21] 2,427,503  
 [13] A1

[51] Int.Cl. 7A61B 5/05 7A61B 6/04 7A61B 5/05  
 [25] EN  
**FERROMAGNETIC SENSING METHOD AND APPARATUS**  
 [54] APPAREIL ET METHODE DE DETECTION FERROMAGNETIQUE  
 [72] MASSENGILL, R. KEMP, US  
 [72] AVRIN, WILLIAM F., US  
 [72] MCCLURE, RICHARD J., US  
 [71] MASSENGILL, R. KEMP, US  
 [71] AVRIN, WILLIAM F., US  
 [71] MCCLURE, RICHARD J., US  
 [22] 2003-05-01  
 [41] 2004-11-01

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[21] 2,427,514  
 [13] A1

[51] Int.Cl. 7B32B 17/04 7C09J 7/04  
 7C09J 129/04 7C09J 131/04 7C09J 125/06  
 [25] EN  
**DRYWALL TAPE AND JOINT**  
 [54] RUBAN ET JOINT A CLOISON SECHE  
 [72] NEWTON, MARK JOSEPH, CA  
 [72] ROBERTS, DAVID GERAINT, US  
 [71] SAINT-GOBAIN TECHNICAL FABRICS CANADA, LTD., CA  
 [22] 2003-05-01  
 [41] 2004-11-01

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[21] 2,427,543  
 [13] A1

[51] Int.Cl. 7A61L 27/14 7A61F 6/20  
 7A61L 27/50 7A61L 27/52  
 [25] EN  
**THERMALLY REVERSIBLE IMPLANT AND FILLER**  
 [54] CHARGE ET IMPLANT A COMPORTEMENT THERMIQUE REVERSIBLE  
 [72] CHENG, YU-LING, CA  
 [72] SEMPLE, JOHN L., CA  
 [72] MAY, MICHAEL, CA  
 [72] LIN, HAI-HUI, US  
 [71] CHENG, YU-LING, CA  
 [71] SEMPLE, JOHN L., CA  
 [71] MAY, MICHAEL, CA  
 [71] LIN, HAI-HUI, US  
 [22] 2003-05-02  
 [41] 2004-11-02

**Demandes canadiennes mises à la disponibilité du public**  
**31 octobre 2004 au 6 novembre 2004**

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[21] **2,427,544**  
[13] A1

[51] Int.Cl. 7F16L 53/00 7F17D 1/18  
[25] EN  
[54] METHOD OF SHEAR HEATING OF  
HEAVY OIL TRANSMISSION  
PIPELINES  
[54] METHODE DE CHAUFFAGE DE  
CISAILLEMENT POUR RESEAUX DE  
DISTRIBUTION DE PETROLE LOURD  
[72] PERRY, GLEN F., CA  
[71] PERRY, GLEN F., CA  
[22] 2003-05-02  
[41] 2004-11-02

---

[21] **2,427,545**  
[13] A1

[51] Int.Cl. 7A46B 3/00  
[25] EN  
[54] SECTORAL RING BRUSH  
[54] BROSSE SECTORIELLE EN  
FORME D'ANNEAU  
[72] UEBERALL, PETER, DE  
[71] TROJAN TECHNOLOGIES INC., CA  
[22] 2003-05-02  
[41] 2004-11-02

---

[21] **2,427,663**  
[13] A1

[51] Int.Cl. 7B65D 88/28  
[25] EN  
[54] COLLAPSIBLE GRAIN HOPPER  
BOTTOM  
[54] TREMIE A GRAINS A FOND  
MODIFIABLE  
[72] STEPHENSON, DALE D., CA  
[71] STEPHENSON, DALE D., CA  
[22] 2003-05-05  
[41] 2004-11-05

---

[21] **2,427,667**  
[13] A1

[51] Int.Cl. 7A47C 7/00 7A47C 1/00  
[25] EN  
[54] THE DISPOSABLE SAUNA SEAT  
[54] SIEGE DE SAUNA JETABLE  
[72] MACKENZIE, DIYAN, CA  
[71] MACKENZIE, DIYAN, CA  
[22] 2003-05-06  
[41] 2004-11-06

---

[21] **2,427,668**  
[13] A1

[51] Int.Cl. 7B65D 25/44  
[25] EN  
[54] EZPOUR5  
[54] EZPOUR5  
[72] MAGILL, TRACY, CA  
[71] MCNAUGHTON, DEBBIE, CA  
[71] MAGILL, TRACY, CA  
[22] 2003-05-05  
[41] 2004-11-05

---

[21] **2,427,688**  
[13] A1

[51] Int.Cl. 7G06F 3/14 7G09G 5/34  
[25] EN  
[54] METHOD OF DISPLAYING A  
DOCUMENT  
[54] METHODE D'AFFICHAGE D'UN  
DOCUMENT  
[72] BROWN, HANS-FREDERICK, CA  
[72] DROUIN, SYLVIO, CA  
[71] MAZ LABORATORY, CA  
[22] 2003-05-01  
[41] 2004-11-01

---

[21] **2,427,694**  
[13] A1

[51] Int.Cl. 7A63B 47/02  
[25] EN  
[54] APPARATUS FOR PICKING UP  
AND STORING GOLF BALLS  
[54] DISPOSITIF DE RAMASSAGE ET  
D'ENTREPOSAGE DE BALLES DE  
GOLF  
[72] HONG, THOMAS K., CA  
[71] HONG, THOMAS K., CA  
[22] 2003-05-05  
[41] 2004-11-05

---

[21] **2,427,697**  
[13] A1

[51] Int.Cl. 7G06F 9/54 7G06F 11/36  
7G06F 9/44 7G06F 9/52  
[25] EN  
[54] METHOD OF EXECUTING A  
COMPUTER PROGRAM  
[54] METHODE D'EXECUTION D'UN  
PROGRAMME D'ORDINATEUR  
[72] DROUIN, SYLVIO, CA  
[72] BROWN, HANS-FREDERICK, CA  
[71] MAZ LABORATORY, CA  
[22] 2003-05-01  
[41] 2004-11-01

---

[21] **2,427,700**  
[13] A1

[51] Int.Cl. 7G06F 9/54 7G06F 3/14  
[25] EN  
[54] VISUAL INTERFACE FOR  
OBJECT-ORIENTED PROGRAMMING  
[54] INTERFACE VISUELLE DE  
PROGRAMMATION ORIENTEE  
OBJET  
[72] BRAEN, BRUNO, CA  
[72] DROUIN, SYLVIO, CA  
[72] BROWN, HANS-FREDERICK, CA  
[71] MAZ LABORATORY, CA  
[22] 2003-05-01  
[41] 2004-11-01

---

[21] **2,427,703**  
[13] A1

[51] Int.Cl. 7A47G 33/12  
[25] EN  
[54] SAFETY TREE STAND  
[54] SUPPORT DE SECURITE POUR  
ARBRE  
[72] BROWN, NORMA, US  
[71] BROWN, NORMA, US  
[22] 2003-05-05  
[41] 2004-11-05

---

[21] **2,427,711**  
[13] A1

[51] Int.Cl. 7B60P 7/02  
[25] EN  
[54] MORPHEUS  
[54] CAPOT DE CAISSE « MORPHEUS »  
[72] IACOVITTI, GERARDO, CA  
[72] MARTELLA, DARRYL, CA  
[71] IACOVITTI, GERARDO, CA  
[71] MARTELLA, DARRYL, CA  
[22] 2003-05-05  
[41] 2004-11-05

---

[21] **2,427,725**  
[13] A1

[51] Int.Cl. 7F17C 1/00  
[25] EN  
[54] HYDROGEN STORAGE  
CONTAINER  
[54] RECIPIENT DE STOCKAGE  
D'HYDROGÈNE  
[72] SCHULZ, ROBERT, CA  
[72] LAROCHELLE, PATRICK, CA  
[72] GAGNON, FREDERIC, CA  
[72] GENDRON, STEPHANE, CA  
[71] HERA, HYDROGEN STORAGE  
SYSTEMS INC., CA  
[22] 2003-05-01  
[41] 2004-11-01

---

**Canadian Applications Open to Public Inspection**  
**October 31, 2004 to November 6, 2004**

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**[21] 2,427,733**  
[13] A1

[51] Int.Cl. 7C22C 23/00 7C01B 3/00  
[25] EN  
[54] MAGNESIUM BASED ALLOYS FOR HYDROGEN STORAGE  
[54] ALLIAGES A BASE DE MAGNESIUM POUR LE STOCKAGE D'HYDROGÈNE  
[72] LIANG, GUOXIAN, CA  
[71] HERA, HYDROGEN STORAGE SYSTEMS INC., CA  
[22] 2003-05-01  
[41] 2004-11-01

---

**[21] 2,427,734**  
[13] A1

[51] Int.Cl. 7G01V 1/16 7E21B 47/12  
7G01V 1/22  
[25] EN  
[54] METHOD FOR ACQUIRING SEISMIC DATA WHILE TRIPPING  
[54] METHODE D'ACQUISITION DE DONNEES SISMIQUES DURANT UNE REMONTEE  
[72] JACKSON, JAMES C., US  
[71] BAKER HUGHES INCORPORATED, US  
[22] 2003-05-01  
[41] 2004-11-01

---

**[21] 2,427,755**  
[13] A1

[51] Int.Cl. 7A01D 47/00 7A01D 82/00  
[25] EN  
[54] WINDROW FORMING SYSTEM FOR A CROP HARVESTING HEADER  
[54] SYSTEME DE FORMATION D'ANDAINS POUR BEC CUEILLEUR DE RECOLTE  
[72] SNIDER, GEOFFREY U., CA  
[71] MACDON INDUSTRIES LTD., CA  
[22] 2003-05-05  
[41] 2004-11-05

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**[21] 2,427,758**  
[13] A1

[51] Int.Cl. 7B43L 19/00 7B65H 37/00  
7B43K 29/00  
[25] EN  
[54] CORRECTION TAPE  
[54] RUBAN CORRECTEUR  
[72] YANG, CHE-PIN, XX  
[71] YANG, CHE-PIN, XX  
[22] 2003-05-05  
[41] 2004-11-05

**[21] 2,427,761**  
[13] A1

[51] Int.Cl. 7B65B 35/56 7B65B 35/58  
[25] EN  
[54] IMPROVED METHOD AND APPARATUS FOR HIGH SPEED PLASTIC CONTAINER UNSCRAMBLING  
[54] DISPOSITIF ET METHODE AMELIORES DE DEMELAGE A GRANDE VITESSE DE CONTENANTS EN PLASTIQUE  
[72] REGULA, KENNETH, US  
[72] KROOSS, ROBERT J., US  
[71] PACE PACKAGING CORP., US  
[22] 2003-05-05  
[41] 2004-11-05

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**[21] 2,427,766**  
[13] A1

[51] Int.Cl. 7B42F 1/02  
[25] EN  
[54] CLIP  
[54] PINCE  
[72] CASSADAY, TERRY, CA  
[71] CASSADAY, TERRY, CA  
[22] 2003-05-02  
[41] 2004-11-02

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**[21] 2,427,786**  
[13] A1

[51] Int.Cl. 7G09B 7/00 7G06F 17/00  
7G06F 17/60  
[25] EN  
[54] SYSTEM, METHOD AND COMPUTER PROGRAM FOR STUDENT ASSESSMENT  
[54] SYSTEME, METHODE ET PROGRAMME D'ORDINATEUR SERVANT A L'EVALUATION DES ETUDIANTS  
[72] HATTIE, JOHN, NZ  
[71] AUCKLAND UNISERVICES LIMITED, NZ  
[22] 2003-05-02  
[41] 2004-11-02

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**[21] 2,427,885**  
[13] A1

[51] Int.Cl. 7G09F 19/00 7G09F 21/02  
[25] EN  
[54] DISPLAY DEVICE  
[54] DISPOSITIF D'AFFICHAGE  
[72] KOCHAN, WILLIAM, CA  
[72] AUGUSTINE, GENE ANTHONY, CA  
[72] AUGUSTINE, RAY WAYNE, CA  
[71] KOCHAN, WILLIAM, CA  
[71] AUGUSTINE, GENE ANTHONY, CA  
[71] AUGUSTINE, RAY WAYNE, CA  
[22] 2003-05-01  
[41] 2004-11-01

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**[21] 2,427,892**  
[13] A1

[51] Int.Cl. 7H05K 5/03 7G11B 33/02  
7H04R 1/02 7H04B 1/08 7H04N 5/64  
[25] EN  
[54] WEATHERPROOF RETRACTABLE MULTI-MEDIA ENTERTAINMENT CENTER  
[54] CENTRE DE DIVERTISSEMENT MULTIMEDIA RETRACTABLE A L'EPREUVE DES INTEMPERIES  
[72] LAMBERT, MARC, CA  
[71] 687335 ONTARIO LTD. 0/A HYDROPOOL INDUSTRIES, CA  
[22] 2003-05-05  
[41] 2004-11-05

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**[21] 2,427,894**  
[13] A1

[51] Int.Cl. 7B22D 9/00 7B22D 7/12  
[25] EN  
[54] ALUMINIUM INGOT CASTING MACHINE  
[54] MACHINE A LINGOTER L'ALUMINIUM  
[72] BEALE, DAVID J., CA  
[72] HOLMES, MATTHEW JAMES ASTILL, CA  
[71] OUTOKUMPU OYJ, FI  
[22] 2003-05-05  
[41] 2004-11-05

**Demandes canadiennes mises à la disponibilité du public**  
**31 octobre 2004 au 6 novembre 2004**

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[21] **2,427,901**  
 [13] A1

[51] Int.Cl. 7A22C 21/00 7A22C 17/04  
 7A23L 1/315  
 [25] EN  
 [54] PROCESS FOR DEBONING A TURKEY  
 [54] PROCEDE DE DESOSSAGE DE DINDE  
 [72] HIROKANE, BRIAN, US  
 [71] HIROKANE, BRIAN, US  
 [22] 2003-05-05  
 [41] 2004-11-05

[21] **2,427,930**  
 [13] A1

[51] Int.Cl. 7B60K 31/00  
 [25] EN  
 [54] ADVANCED CRUISE CONTROL  
 [54] REGULATEUR DE VITESSE PERFECTIONNE  
 [72] RUSSELL, LARRY R., CA  
 [72] RUSSELL, ELEANOR D., CA  
 [71] RUSSELL, LARRY R., CA  
 [71] RUSSELL, ELEANOR D., CA  
 [22] 2003-05-05  
 [41] 2004-11-05

[21] **2,427,932**  
 [13] A1

[51] Int.Cl. 7E04B 1/343 7E04H 1/12  
 [25] EN  
 [54] EMERGENCY FOLDABLE SHELTER  
 [54] ABRI PLIANT DE SECOURS  
 [72] NICE, ROBERT, CA  
 [71] NICE, ROBERT, CA  
 [22] 2003-05-06  
 [41] 2004-11-06

[21] **2,427,937**  
 [13] A1

[51] Int.Cl. 7E21B 43/10 7E21B 23/00  
 7E21B 43/08  
 [25] EN  
 [54] DEBRIS SCREEN FOR A DOWNHOLE TOOL  
 [54] GRILLE A DEBRIS POUR MATERIEL DE PUITS D'EXTRACTION  
 [72] CRAM, BRUCE A., CA  
 [71] PRECISION DRILLING TECHNOLOGY SERVICES GROUP INC., CA  
 [22] 2003-05-06  
 [41] 2004-11-06

[21] **2,427,957**  
 [13] A1

[51] Int.Cl. 7A01G 25/00 7B05B 3/04  
 [25] EN  
 [54] SPRAYING DEVICE FOR LAWN SPRINKLER  
 [54] DISPOSITIF DE PULVERISATION POUR TOURNIQUET D'ARROSAGE  
 [72] WANG, KING YUAN, XX  
 [71] YUAN MEI CORP., XX  
 [22] 2003-05-06  
 [41] 2004-11-06

[21] **2,427,979**  
 [13] A1

[51] Int.Cl. 7A63D 15/08  
 [25] EN  
 [54] AN IMPROVED SHAFT FOR BILLIARD CUE  
 [54] MANCHON AMELIORE POUR QUEUE DE BILLARD  
 [72] CHANG, JUNG-SHIH, XX  
 [71] CHANG, JUNG-SHIH, XX  
 [22] 2003-05-06  
 [41] 2004-11-06

[21] **2,427,963**  
 [13] A1

[51] Int.Cl. 7A61M 31/00 7A61F 6/00  
 [25] EN  
 [54] DRUG DELIVERY DEVICE  
 [54] DISPOSITIF D'ADMINISTRATION DE MEDICAMENTS  
 [72] HUANG, DEBORAH, XX  
 [71] HUANG, DEBORAH, XX  
 [22] 2003-05-06  
 [41] 2004-11-06

[21] **2,428,154**  
 [13] A1

[51] Int.Cl. 7F16B 12/14  
 [25] FR  
 [54] SYSTEME ET METHODE POUR SUSPENDRE UN ELEMENT DE RANGEMENT HORIZONTAL A UN ELEMENT SUPPORT  
 [54] SYSTEM AND METHOD FOR SUSPENDING A HORIZONTAL STORAGE UNIT TO A SUPPORT UNIT  
 [72] AUBRY, DOMINIC, CA  
 [71] GROUPE LACASSE INC., CA  
 [22] 2003-05-06  
 [41] 2004-11-06

[21] **2,427,969**  
 [13] A1

[51] Int.Cl. 7F24B 1/185  
 [25] EN  
 [54] AIR CIRCULATING FIREPLACE  
 [54] FOYER A CIRCULATION D'AIR  
 [72] MCDONALD, BRIAN A., CA  
 [71] MCDONALD, BRIAN A., CA  
 [22] 2003-05-06  
 [41] 2004-11-06

[21] **2,428,281**  
 [13] A1

[51] Int.Cl. 7A41B 9/12  
 [25] EN  
 [54] RE-USABLE AND WASHABLE PROTECTIVE PANTY  
 [54] CULOTTE DE PROTECTION LAVABLE ET REUTILISABLE  
 [72] LONN, HARVEY, CA  
 [72] RAINVILLE-LONN, FRANCINE, CA  
 [71] LONN, HARVEY, CA  
 [71] RAINVILLE-LONN, FRANCINE, CA  
 [22] 2003-05-06  
 [41] 2004-11-06

[21] **2,427,975**  
 [13] A1

[51] Int.Cl. 7A63B 59/12  
 [25] EN  
 [54] HOCKEY STICK BLADE  
 [54] LAME DE BATON DE HOCKEY  
 [72] HONG, ARTHUR, XX  
 [71] HONG, ARTHUR, XX  
 [22] 2003-05-06  
 [41] 2004-11-06

**Canadian Applications Open to Public Inspection**  
**October 31, 2004 to November 6, 2004**

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[21] **2,428,609**  
 [13] A1

[51] Int.Cl. 7H04L 12/18 7H04N 7/025  
 [25] FR  
 [54] SYSTEME DE DIFFUSION DE MESSAGES PUBLICITAIRES DE PROXIMITE EN SEMI-DIFFERENT  
 [54] SYSTEM FOR BROADCASTING SEMI-PRE-RECORDED PROXIMITY ADVERTISING MESSAGES  
 [72] DJUNGU-SUNGU, THIERRY, CA  
 [72] MUNTU, GHISLAIN, CA  
 [71] DJUNGU-SUNGU, THIERRY, CA  
 [71] MUNTU, GHISLAIN, CA  
 [22] 2003-05-06  
 [41] 2004-11-06

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[21] **2,428,625**  
 [13] A1

[51] Int.Cl. 7E01H 5/08  
 [25] FR  
 [54] SOUFFLEUR A NEIGE A DOS TOURNANT  
 [54] SNOW BLOWER WITH PIVOTING REAR SECTION  
 [72] GIROUARD, MICHEL, CA  
 [71] GIROUARD, MICHEL, CA  
 [22] 2003-05-05  
 [41] 2004-11-05

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[21] **2,428,675**  
 [13] A1

[51] Int.Cl. 7E05C 7/04 7E05B 15/02  
 [25] EN  
 [54] FORCED ENTRY RESISTANCE DEVICE FOR SASH WINDOW ASSEMBLY  
 [54] DISPOSITIF ANTI-EFFRACTION POUR FENETRE A GUILLOTINE  
 [72] PETTIT, DEAN, US  
 [71] ASHLAND PRODUCTS, INC., US  
 [22] 2003-05-13  
 [41] 2004-11-06  
 [30] US (10/430,803) 2003-05-06

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[21] **2,428,883**  
 [13] A1

[51] Int.Cl. 7B64C 39/00  
 [25] EN  
 [54] ATMOSPHERIC REENTRY LANDER VEHICLE  
 [54] VEHICULE DE DESCENTE POUR RENTREE DANS L'ATMOSPHERE  
 [72] BREEN, LEO JOSEPH, CA  
 [71] BREEN, LEO JOSEPH, CA  
 [22] 2003-05-06  
 [41] 2004-11-06

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[21] **2,432,247**  
 [13] A1

[51] Int.Cl. 7E06B 9/303  
 [25] EN  
 [54] COMBINATION WINDOW COVERING  
 [54] COUVRE-FENETRE COMBINE  
 [72] NIEN, MING, XX  
 [71] NIEN MADE ENTERPRISE CO. LTD., XX  
 [22] 2003-06-13  
 [41] 2004-11-06  
 [30] TW (92208270) 2003-05-06

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[21] **2,435,540**  
 [13] A1

[51] Int.Cl. 7G06F 17/60  
 [25] EN  
 [54] MEASURING CUSTOMER INTEREST TO FORECAST PRODUCT CONSUMPTION  
 [54] MESURE DE L'INTERET DES CLIENTS AFIN DE PREVOIR LA CONSOMMATION DE PRODUITS  
 [72] BROADY, GEORGE VINCENT, US  
 [72] BEDARD, SCOTT R., US  
 [71] CNET NETWORKS, INC., US  
 [22] 2003-07-17  
 [41] 2004-11-05  
 [30] US (10/429,929) 2003-05-05

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[21] **2,437,055**  
 [13] A1

[51] Int.Cl. 7B60R 3/02 7B62D 25/22  
 [25] EN  
 [54] IMPROVED ATTACHMENT MEANS FOR FACILITATING USER ACCESS TO VEHICLE PLATFORMS  
 [54] DISPOSITIFS DE FIXATION AMELIORES POUR FACILITER L'ACCES D'UN UTILISATEUR A DES PLATES-FORMES DE VEHICULE  
 [72] FOSTER, ALLAN EUGENE, CA  
 [71] FOSTER, ALLAN EUGENE, CA  
 [22] 2003-08-14  
 [41] 2004-11-02  
 [30] US (10/428,242) 2003-05-02

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[21] **2,441,150**  
 [13] A1

[51] Int.Cl. 7B60T 13/36  
 [25] EN  
 [54] TRACTOR TRAILER AIR BRAKES  
 [54] FREINS A AIR COMPRIME POUR CAMION GROS PORTEUR  
 [72] COSTA, JACK, CA  
 [71] COSTA, JACK, CA  
 [22] 2003-09-16  
 [41] 2004-11-06  
 [30] US (10/429,770) 2003-05-06

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[21] **2,445,936**  
 [13] A1

[51] Int.Cl. 7E06B 9/30 7E06B 9/38  
 [25] EN  
 [54] ROMAN STYLE SHADE  
 [54] STORE DE STYLE ROMAIN  
 [72] HUANG, CHIN-TIEN, CN  
 [72] YU, FUL-LAI, CN  
 [72] YU, SHUN-CHI, CN  
 [71] TEH-YOR INDUSTRIAL CO. LTD., XX  
 [22] 2003-10-21  
 [41] 2004-11-01  
 [30] US (10/427,829) 2003-05-01

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[21] **2,449,360**  
 [13] A1

[51] Int.Cl. 7F22D 7/04 7B05B 1/00  
 [25] EN  
 [54] FEEDWATER APPARATUS  
 [54] APPAREIL D'ALIMENTATION EN EAU  
 [72] SUN, NANSHENG, CA  
 [71] BABCOCK & WILCOX CANADA LTD., CA  
 [22] 2003-11-13  
 [41] 2004-11-05  
 [30] US (10/429,360) 2003-05-05

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**Demandes canadiennes mises à la disponibilité du public**  
**31 octobre 2004 au 6 novembre 2004**

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[21] **2,450,061**  
[13] A1

[51] Int.Cl. 7A41D 19/015 7A62B 17/00  
[25] EN  
[54] PROTECTIVE GLOVE, AS FOR FIREFIGHTER, WITH WRISTLET HAVING WATER-REPELLANT FINISH  
[54] GANT DE PROTECTION, POUR POMPIERS PAR EXEMPLE, AVEC POIGNET AYANT UN FINI HYDROFUGE  
[72] GRILLIOT, WILLIAM L., US  
[72] GRILLIOT, MARY I., US  
[71] MORNING PRIDE MANUFACTURING, L.L.C., US  
[22] 2003-11-18  
[41] 2004-11-02  
[30] US (10/428,737) 2003-05-02

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[21] **2,450,281**  
[13] A1

[51] Int.Cl. 7B27N 3/12 7B27N 3/08  
[25] EN  
[54] METHOD AND SYSTEM FOR HOT PRESSING CELLULOSIC AND LIGNOCELLULOSIC MATS  
[54] METHODE ET SYSTEME DE PRESSAGE A CHAUD DE MATS CELLULOSIQUES ET LIGNOCELLULOSIQUES  
[72] XIE, YONGQUN, CA  
[72] DENG, XIXIAN, CA  
[71] FORINTEK CANADA CORP., CA  
[22] 2003-11-19  
[41] 2004-11-06  
[30] US (10/429722) 2003-05-06

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[21] **2,453,708**  
[13] A1

[51] Int.Cl. 7H02H 9/00 7H01B 13/26  
7B64D 37/32  
[25] EN  
[54] APPARATUS FOR AND METHOD OF PROTECTING THE SAFE SIDE WIRING OF A PROTECTIVE BARRIER AGAINST TRANSFERRING FAULT ENERGY INTO A POTENTIALLY EXPLOSIVE ENVIRONMENT  
[54] APPAREIL ET METHODE DE PROTECTION DU CABLAGE SITUE DU COTE PROTEGE D'UN ECRAN PROTECTEUR CONTRE LE TRANSFERT D'ENERGIE DE FUITE DANS UN MILIEU POTENTIELLEMENT EXPLOSIF  
[72] MAIER, LAWRENCE CARL, US  
[71] SIMMONDS PRECISION PRODUCTS, INC., US  
[22] 2003-12-17  
[41] 2004-11-01  
[30] US (10/427,460) 2003-05-01

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[21] **2,453,940**  
[13] A1

[51] Int.Cl. 7A43B 13/04 7A43B 13/14  
7A43B 13/18 7A43B 7/34 7A43B 7/36  
7A43B 13/41  
[25] EN  
[54] COMPOSITE PLATE  
[54] PLAQUE COMPOSITE  
[72] HUNG, SHENG CHUNG, CA  
[71] LINEAR INTERNATIONAL FOOTWEAR INC., CA  
[22] 2003-12-17  
[41] 2004-11-06  
[30] TW (92210405) 2003-05-06  
[30] CN (03267840) 2003-07-22

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[21] **2,454,883**  
[13] A1

[51] Int.Cl. 7C23C 4/12 7B22F 1/00 7C23F 11/00 7B05D 1/02 7C22C 19/05 7C23C 4/06  
[25] EN  
[54] WEAR-RESISTANT, CORROSION-RESISTANT NI-CR-MO THERMAL SPRAY METHOD AND COMPONENT COATED THEREBY  
[54] METHODE DE PROJECTION A CHAUD DE REVETEMENT DE NI-CR-MO RESISTANT A L'USURE ET A LA CORROSION ET COMPOSANT REVETU OBTENU PAR LADITE METHODE  
[72] YAO, MATTHEW X., CA  
[72] WU, JAMES B.C., US  
[71] DELORO STELLITE HOLDINGS CORPORATION, US  
[22] 2004-01-06  
[41] 2004-11-02  
[30] US (10/429,010) 2003-05-02

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[21] **2,454,975**  
[13] A1

[51] Int.Cl. 7H04B 3/54  
[25] EN  
[54] CONCURRENT PHASE COMMUNICATION IN TWACS  
[54] COMMUNICATION SIMULTANEE SUR TOUTES LES PHASES EN TWACS  
[72] LAGERSTROM, KRISTER, US  
[72] HAMMOND, BENJAMIN A., US  
[72] HESSLING, JOHN B., JR., US  
[71] DISTRIBUTION CONTROL SYSTEMS, INC., US  
[22] 2004-01-12  
[41] 2004-11-06  
[30] US (10/430,786) 2003-05-06

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[21] **2,455,353**  
[13] A1

[51] Int.Cl. 7B67D 5/08 7C03C 25/12  
7B67D 5/48  
[25] EN  
[54] CONTROLLED DISPENSING OF MATERIAL  
[54] DISTRIBUTION CONTROLEE DE MATERIAU  
[72] BRIESE, WILLIAM A., US  
[72] MCGLINCHY, TIMOTHY BRYAN, US  
[71] GLASS EQUIPMENT DEVELOPMENT, INC., US  
[22] 2004-01-16  
[41] 2004-11-06  
[30] US (10/430,662) 2003-05-06

**Canadian Applications Open to Public Inspection**  
**October 31, 2004 to November 6, 2004**

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[21] **2,456,755**  
 [13] A1

[51] Int.Cl. 7C01B 3/16 7C01B 3/02  
 [25] EN  
**[54] PROCESS AND CATALYST FOR TREATMENT OF SYNTHESIS GAS**  
**[54] METHODE DE TRAITEMENT DU GAZ DE SYNTHESE ET CATALYSEUR CONNEXE**  
 [72] LEHRMANN, PETER, DK  
 [72] NIELSEN, POUL ERIK HOEJLUND, DK  
 [72] SCHIOEDT, NIELS CHRISTIAN, DK  
 [71] HALDOR TOPSOE A/S, DK  
 [22] 2004-02-02  
 [41] 2004-11-02  
 [30] DK (PA 2003 00160) 2003-05-02

[21] **2,458,012**  
 [13] A1

[51] Int.Cl. 7E04B 1/41 7F16B 13/00  
 [25] EN  
**[54] WALL ANCHOR CONSTRUCTS AND SURFACE-MOUNTED ANCHORING SYSTEMS UTILIZING THE SAME**  
**[54] COMPOSANTS D'ANCRAGE AU MUR ET DISPOSITIFS D'ANCRAGE MONTES EN SURFACE UTILISANT CES COMPOSANTS**  
 [72] HOHMANN, RONALD P., JR., US  
 [72] HOHMANN, RONALD P., US  
 [71] HOHMANN BARNARD INC, US  
 [22] 2004-02-17  
 [41] 2004-11-01  
 [30] US (10/427,502) 2003-05-01

[21] **2,458,491**  
 [13] A1

[51] Int.Cl. 7F21L 4/02 7F21S 9/02 7B63B  
 45/04  
 [25] EN  
**[54] SIGNALING DEVICE FOR SIGHTING SYSTEMS, FOR EXAMPLE FOR RESCUE CRAFTS IN THE NAUTICAL FIELD AND THE LIKE**  
**[54] DISPOSITIF DE SIGNALISATION POUR SYSTEMES DE VISEE, PAR EXEMPLE POUR LES EMBARCATIONS DE SAUVETAGE DANS LE DOMAINE MARITIME**  
 [72] AGUGLIA, JORGUE MIGUEL, IT  
 [71] S.I.E.M. S.R.L., IT  
 [22] 2004-02-24  
 [41] 2004-11-06  
 [30] EP (03425288.2) 2003-05-06

[21] **2,457,182**  
 [13] A1

[51] Int.Cl. 7A61G 7/00 7B60B 33/00  
 7B62D 51/00 7A47C 17/86  
 [25] EN  
**[54] FIFTH WHEEL FOR BED**  
**[54] CINQUIEME ROUE DE LIT**  
 [72] LEMIRE, GUY, CA  
 [71] STRYKER CORPORATION, US  
 [22] 2004-02-10  
 [41] 2004-11-06  
 [30] US (10/430,565) 2003-05-06

[21] **2,458,190**  
 [13] A1

[51] Int.Cl. 7F24H 9/20 7F23N 5/00  
 [25] EN  
**[54] FUEL-FIRED HEATING APPLIANCE WITH TEMPERATURE-BASED FUEL SHUTOFF SYSTEM**  
**[54] APPAREIL CHAUFFANT A COMBUSTIBLE COMPRENNANT UN SYSTEME D'ARRET DE COMBUSTIBLE CONTROLE PAR LA TEMPERATURE**  
 [72] KIDD, LARRY D., US  
 [72] GORDON, MICHAEL W., US  
 [72] MARTIN, JAMES M., US  
 [72] MEARS, JAMES W., US  
 [72] CAMPBELL, JAMES T., US  
 [72] LANNES, ERIC M., US  
 [72] STRETCH, GORDON W., US  
 [72] DOSS, GARRETT, US  
 [72] ARCHIBALD, THOMAS E., US  
 [72] ELDER, GARY A., US  
 [72] SCANLON, JOHN H., US  
 [72] HOTTON, BRUCE A., US  
 [71] THE WATER HEATER INDUSTRY JOINT RESEARCH AND DEVELOPMENT CONSORTIUM, US  
 [22] 2004-02-20  
 [41] 2004-11-05  
 [30] US (10/430,022) 2003-05-05

[21] **2,461,252**  
 [13] A1

[51] Int.Cl. 7G06F 12/14 7G06F 17/60  
 [25] EN  
**[54] METHODS, DATA STORES, DATA STRUCTURES, AND SYSTEMS FOR ELECTRONIC IDENTITY AGGREGATION**  
**[54] METHODES, MEMOIRES DE DONNEES, STRUCTURES DE DONNEES ET SYSTEMES POUR L'AGREGATION D'IDENTITE ELECTRONIQUE**  
 [72] NUTT, FRANK ALLAN, US  
 [72] ISAACSON, SCOTT ALAN, US  
 [72] CARTER, STEPHEN R., US  
 [71] NOVELL, INC., US  
 [22] 2004-03-18  
 [41] 2004-11-06  
 [30] US (10/430,542) 2003-05-06

[21] **2,457,580**  
 [13] A1

[51] Int.Cl. 7H01M 2/10 7H02J 7/00  
 [25] EN  
**[54] MODULAR BATTERY PACK**  
**[54] BLOC-BATTERIE MODULAIRE**  
 [72] MORRISON, TIM, US  
 [72] SCHMELING, DAVE, US  
 [72] SCHARF, RICH, US  
 [72] HAUCK, ERIC W., US  
 [71] HARMONIC DESIGN, INC., US  
 [22] 2004-02-12  
 [41] 2004-11-01  
 [30] US (10/428,588) 2003-05-01

[21] **2,461,301**  
 [13] A1

[51] Int.Cl. 7F16L 55/18 7F16L 55/1645  
 [25] EN  
**[54] PROCESS AND APPARATUS FOR REPAIRING PIPES**  
**[54] PROCEDE ET APPAREIL POUR LA REPARATION DES TUYAUX**  
 [72] KAMPBELL, NORMAN E., US  
 [72] CUBA, LEE R., US  
 [71] INLINER TECHNOLOGIES, LLC, US  
 [22] 2004-03-16  
 [41] 2004-11-05  
 [30] US (10/441,504) 2003-05-05

**Demandes canadiennes mises à la disponibilité du public**  
**31 octobre 2004 au 6 novembre 2004**

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[21] **2,461,790**  
[13] A1

[51] Int.Cl. 7A01D 34/13  
[25] EN  
[54] SICKLE KNIFE WITH DOUBLE OVERLAPPING OUT OF PHASE SICKLES  
[54] BARRE DE COUPE A DOUBLES LAMES DEPHASEES CHEVAUCHANTES  
[72] TALBOT, FRANCOIS R., CA  
[71] MACDON INDUSTRIES LTD., CA  
[22] 2004-03-24  
[41] 2004-11-01  
[30] US (60/466,781) 2003-05-01

[21] **2,461,810**  
[13] A1

[51] Int.Cl. 7B23K 37/00 7B23K 9/10  
[25] EN  
[54] METHOD AND APPARATUS FOR WELDING WITH HIGH FREQUENCY PROTECTION  
[54] METHODE ET APPAREIL DE SOUDAGE PROTEGE CONTRE LES HAUTES FREQUENCES  
[72] BUNKER, THOMAS A., US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2004-03-24  
[41] 2004-11-02  
[30] US (10/428,391) 2003-05-02

[21] **2,462,197**  
[13] A1

[51] Int.Cl. 7B67D 5/58 7B01D 29/11  
[25] EN  
[54] FUEL DISPENSER FILTER WITH REMOVABLE FILTER MEDIA  
[54] FILTRE DE DISTRIBUTEUR DE CARBURANT A MATERIAU FILTRANT AMOVIBLE  
[72] GRUCA, MICHAEL J., US  
[72] HAHN, DAVID E., US  
[72] ATTEBERRY, W. SCOTT, US  
[71] CHAMPION LABORATORIES, INC., US  
[22] 2004-03-29  
[41] 2004-11-02  
[30] US (10/428,563) 2003-05-02

[21] **2,462,393**  
[13] A1

[51] Int.Cl. 7H01Q 1/14  
[25] EN  
[54] RADIAL PLATE FOR AN ANTENNA  
[54] PLATEAU RADIAL POUR UNE ANTENNE  
[72] SERGI, PAUL D., US  
[71] SERGI, PAUL D., US  
[22] 2004-03-24  
[41] 2004-11-06  
[30] US (10/429,409) 2003-05-06

[21] **2,462,550**  
[13] A1

[51] Int.Cl. 7B32B 5/22 7B32B 27/30 7A61F 13/38  
[25] EN  
[54] MULTI-LAYER SEALED SWAB  
[54] COTON-TIGE MULTICOUCHE ETANCHE  
[72] BLAIR, PAUL, US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2004-03-30  
[41] 2004-11-02  
[30] US (10/428,619) 2003-05-02

[21] **2,462,996**  
[13] A1

[51] Int.Cl. 7C10M 103/06 7C10M 101/00 7C10M 137/06 7C10M 105/22  
[25] EN  
[54] LOW SULFUR, LOW ASH, AND LOW PHOSPHORUS LUBRICANT ADDITIVE PACKAGE USING OVERBASED CALCIUM OLEATE  
[54] ADDITIFS LUBRIFIANTS A FAIBLES TENEURS EN SOUFRE, EN CENDRES ET EN PHOSPHORE, ELABORES A PARTIR D'OLEATE DE CALCIUM SURBASE  
[72] ESCHE, CARL K., US  
[71] ETHYL CORPORATION, US  
[22] 2004-04-01  
[41] 2004-11-01  
[30] US (10/428,194) 2003-05-01

[21] **2,463,248**  
[13] A1

[51] Int.Cl. 7G07F 17/32 7A63F 13/00 7G07F 17/34  
[25] EN  
[54] GAMING MACHINE WITH INTERACTIVE POP-UP WINDOWS  
[54] MACHINE A JEUX DE HASARD AVEC FENETRES INSTANTANÉES INTERACTIVES  
[72] CASEY, MICHAEL P., US  
[72] HORNICK, JEREMY M., US  
[72] FIDEN, DANIEL P., US  
[72] JAFFE, JOEL R., US  
[71] WMS GAMING INC., US  
[22] 2004-04-05  
[41] 2004-11-01  
[30] US (10/428,516) 2003-05-01

[21] **2,463,572**  
[13] A1

[51] Int.Cl. 7G09B 5/04 7G09B 19/00 7G10L 11/00 7G10L 15/06  
[25] EN  
[54] DYNAMIC PRONUNCIATION SUPPORT FOR JAPANESE AND CHINESE SPEECH RECOGNITION TRAINING  
[54] AIDE DYNAMIQUE A LA PRONONCIATION POUR L'APPRENTISSAGE DE LA RECONNAISSANCE DE LA PAROLE EN JAPONAIS ET EN CHINOIS  
[72] JU, YUN-CHENG, US  
[72] HON, HSIAO-WUEN, US  
[72] SENJU, KAZUHIRO, US  
[71] MICROSOFT CORPORATION, US  
[22] 2004-04-07  
[41] 2004-11-01  
[30] US (10/427,216) 2003-05-01

**Canadian Applications Open to Public Inspection**  
**October 31, 2004 to November 6, 2004**

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**[21] 2,463,645**  
[13] A1

[51] Int.Cl. 7H01L 23/373 7B32B 15/01  
[25] EN  
[54] SOLDER FILM MANUFACTURING METHOD, HEAT SINK FURNISHED WITH SOLDER FILM, AND SEMICONDUCTOR-DEVICE-AND-HEAT-SINK JUNCTION  
[54] METHODE D'ELECTRODEPOSITION DE FILM DE METAL, DISPOSITIF DE FUSION DU FILM DE METAL ET JONCTION DU DISPOSITIF DE FUSION AU SEMICONDUCTEUR  
[72] ITAKURA, KATSUHIRO, JP  
[72] FUJII, SATOSHI, JP  
[72] CHIBA, YUKIFUMI, JP  
[71] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP  
[22] 2004-04-07  
[41] 2004-11-01  
[30] JP (2003-126616) 2003-05-01

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**[21] 2,463,716**  
[13] A1

[51] Int.Cl. 7C07H 21/02 7C07H 21/00  
7C07H 1/06 7B01D 15/08 7C07H 1/08  
7C12N 15/10 7C12Q 1/68  
[25] EN  
[54] RAPID EXTRACTION OF RNA FROM CELLS AND TISSUES  
[54] EXTRACTION RAPIDE D'ARN PRESENT DANS DES CELLULES ET DES TISSUS  
[72] TONER, JACQUELINE, US  
[72] BACKUS, JOHN, US  
[72] BELLY, ROBERT, US  
[71] VERIDEX, LLC, US  
[22] 2004-04-30  
[41] 2004-11-01  
[30] US (10/427,217) 2003-05-01

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**[21] 2,463,799**  
[13] A1

[51] Int.Cl. 7C10M 103/06 7C10M 101/00  
[25] EN  
[54] LOW SULFUR, LOW ASH AND LOW PHOSPHORUS LUBRICANT ADDITIVE PACKAGE USING OVERBASED CALCIUM PHENATE  
[54] ADDITIF POUR LUBRIFIANT A FAIBLE TENEUR EN SOUFRE, EN CENDRES ET EN PHOSPHORE COMPORANT DU PHENATE DE CALCIUM SURBASE  
[72] ESCHE, CARL K., US  
[71] ETHYL CORPORATION, US  
[22] 2004-04-07  
[41] 2004-11-06  
[30] US (10/430,057) 2003-05-06

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**[21] 2,464,495**  
[13] A1

[51] Int.Cl. 7A63H 33/00  
[25] EN  
[54] ROTATABLE ENTERTAINMENT DEVICE  
[54] APPAREIL DE DIVERTISSEMENT ROTATIF  
[72] SONNER, ROBERT J., US  
[72] RHEIN, JOHN F., US  
[72] VAN HUYSTEE, MAARTEN, US  
[72] BAPST, DAVID M., US  
[71] MATTEL, INC., US  
[22] 2004-04-15  
[41] 2004-11-01  
[30] US (60/466,737) 2003-05-01  
[30] US (10/691,663) 2003-10-24

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**[21] 2,464,496**  
[13] A1

[51] Int.Cl. 7A47D 13/02 7A47D 13/00  
[25] EN  
[54] AN INFANT SEAT  
[54] SIEGE D'ENFANT  
[72] KANE, MICHAEL THOMAS, US  
[72] RHEIN, JOHN F., US  
[72] PIWKO, ROBERT D., JR., US  
[71] MATTEL, INC., US  
[22] 2004-04-15  
[41] 2004-11-01  
[30] US (60/466,735) 2003-05-01  
[30] US (10/718,565) 2003-11-24

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**[21] 2,464,557**  
[13] A1

[51] Int.Cl. 7B65B 13/18  
[25] EN  
[54] IMPROVED ANVIL AND VIBRATOR PAD SUPPORT FOR STRAPPING MACHINE  
[54] ENCLUME AMELIOREE ET SUPPORT TAMPON D'APPAREIL VIBRANT POUR CERCLEUSE  
[72] LOPEZ, JONATHAN, US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2004-04-15  
[41] 2004-11-02  
[30] US (10/428,512) 2003-05-02

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**[21] 2,464,285**  
[13] A1

[51] Int.Cl. 7B60N 2/02 7E04H 15/06  
7E04H 15/32 7B60P 3/36  
[25] EN  
[54] CAMPER SLIDE-OUT HAVING PIVOTABLE CHAIRS  
[54] RALLONGE COUILLANTE DE CARAVANE AVEC FAUTEUILS PIVOTANTS  
[72] MEHRER, ROBERT, CA  
[71] MEHRER, ROBERT, CA  
[22] 2004-03-31  
[41] 2004-11-05  
[30] US (60/467,622) 2003-05-05

**Demandes canadiennes mises à la disponibilité du public**  
**31 octobre 2004 au 6 novembre 2004**

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[21] **2,464,588**  
[13] A1

[51] Int.Cl. 7G08B 21/00 7G08B 7/06  
[25] EN  
[54] MONITOR WITH IMPROVED LIGHT DISPLAY AND LIGHT DISPLAY TEST SWITCH  
[54] MONITEUR AVEC AFFICHAGE LUMINEUX AMELIORE ET COMMUTATEUR D'ESSAI DE L'AFFICHAGE LUMINEUX  
[72] FITZGERALD, KAREN, US  
[72] ARMBRUSTER, MICHAEL D., US  
[71] MATTEL, INC., US  
[22] 2004-04-15  
[41] 2004-11-01  
[30] US (60/466,736) 2003-05-01  
[30] US (10/822,728) 2004-04-13

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[21] **2,464,803**  
[13] A1

[51] Int.Cl. 7C08L 35/02 7C08L 63/00  
[25] FR  
[54] MATERIAU A HAUTE TENACITE A BASE D'UNE RESINE VINYLESTER ET/OU D'UNE RESINE EPOXYDE, SON PROCEDE DE FABRICATION, MATERIAU COMPOSITE LE COMPRENANT ET SES UTILISATIONS  
[54] HIGH TENACITY VINYL ESTER AND/OR EPOXY RESIN-BASED MATERIAL, ITS MANUFACTURING PROCESS, THE COMPOSITE MATERIAL IN IT AND ITS USES  
[72] DEFOORT, BRIGITTE, FR  
[72] CHAURAY, ESTELLE, FR  
[72] BOURSEREAU, FREDERIC, FR  
[72] SOUM, ALAIN, FR  
[71] EADS SPACE TRANSPORTATION SA, FR  
[22] 2004-04-30  
[41] 2004-11-02  
[30] FR (03 50138) 2003-05-02

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[21] **2,464,828**  
[13] A1

[51] Int.Cl. 7G06F 1/32 7G06F 15/00  
[25] EN  
[54] METHOD AND SYSTEM FOR AUXILIARY PROCESSING OF INFORMATION FOR A COMPUTING DEVICE  
[54] METHODE ET SYSTEME DE TRAITEMENT AUXILIAIRE DE DONNEES POUR UN DISPOSITIF DE CALCUL  
[72] BEAR, ERIC GOULD, US  
[72] CHANDLEY, ADRIAN M., US  
[72] MAGENDANZ, CHAD, US  
[72] SCHOPPA, CHRIS, US  
[72] KANEKO, STEVE, US  
[72] CROSIER, DALE C., US  
[72] WESTERINEN, WILLIAM J., US  
[72] ADAMS, ADITHA MAY, US  
[72] LEDBETTER, CARL, US  
[71] MICROSOFT CORPORATION, US  
[22] 2004-04-22  
[41] 2004-11-05  
[30] US (10/429,930) 2003-05-05

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[21] **2,464,854**  
[13] A1

[51] Int.Cl. 7A61M 5/32 7A61M 5/31  
[25] EN  
[54] MEDICAL DEVICE HAVING RELEASABLE RETAINER  
[54] DISPOSITIF MEDICAL AVEC ELEMENT DE RETENUE DEGAGEABLE  
[72] CAIZZA, RICHARD J., US  
[71] BECTON, DICKINSON AND COMPANY, US  
[22] 2004-04-23  
[41] 2004-11-02  
[30] US (10/428,648) 2003-05-02

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[21] **2,464,874**  
[13] A1

[51] Int.Cl. 7C12Q 1/68 7A61B 10/00 7C12Q 1/04 7G01N 33/574  
[25] EN  
[54] INTRAOPERATIVE LYMPH NODE ASSAY  
[54] ESSAI PEROOPERATOIRE DU GANGLION LYMPHATIQUE  
[72] ROSEN, STEVEN, US  
[72] BELLY, ROBERT, US  
[72] ATKINS, DAVID, US  
[72] BACKUS, JOHN, US  
[72] WHITE, ROBERT, US  
[71] VERIDEX, LLC, US  
[22] 2004-04-30  
[41] 2004-11-01  
[30] US (10/427,243) 2003-05-01

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[21] **2,464,899**  
[13] A1

[51] Int.Cl. 7A61B 18/12 7A61B 18/08 7A61B 18/10 7A61B 17/12  
[25] EN  
[54] METHOD AND SYSTEM FOR CONTROLLING OUTPUT OF RF MEDICAL GENERATOR  
[54] METHODE ET SYSTEME DE CONTROLE DE SORTIE DE GENERATEUR MEDICAL DE RADIOFRQUENCES  
[72] TETZLAFF, PHILIP M., US  
[72] SHIELDS, CHELSEA, US  
[72] SCHECHTER, DAVID A., US  
[72] BUYSSE, STEVEN P., US  
[72] MEAGHER, EDWARD C., US  
[72] FELTON, BRET, US  
[72] HEARD, DAVID N., US  
[72] LAWES, KATE R., US  
[72] KEPPEL, DAVID, US  
[72] PODHAJSKY, RONALD J., US  
[72] SCHMALTZ, DALE F., US  
[72] WHAM, ROBERT H., US  
[71] SHERWOOD SERVICES AG, CH  
[22] 2004-04-20  
[41] 2004-11-01  
[30] US (10/427,832) 2003-05-01

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[21] **2,464,962**  
[13] A1

[51] Int.Cl. 7A47C 27/00 7A47C 31/00  
[25] EN  
[54] ADJUSTABLE PAD/PLIABLE-FLEXIBLE SUPPORT  
[54] SUPPORT/COUSSIN SOUPLE/PLIABLE ET REGLABLE  
[72] SMITH, NATHANIEL, US  
[71] SMITH, NATHANIEL, US  
[22] 2004-04-21  
[41] 2004-11-05  
[30] US (10/429,396) 2003-05-05

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[21] **2,464,967**  
[13] A1

[51] Int.Cl. 7F01D 25/30  
[25] EN  
[54] COMBUSTION AND EXHAUST HEADS FOR FLUID TURBINE ENGINES  
[54] TETES DE COMBUSTION ET D'ECHAPPEMENT POUR MOTEURS DE TURBINES A FLUIDES  
[72] PATTERSON, DAVID G., CA  
[72] PATTERSON, ALBERT W., CA  
[71] PATTERSON, DAVID G., CA  
[71] PATTERSON, ALBERT W., CA  
[22] 2004-04-21  
[41] 2004-11-06  
[30] US (10/429,881) 2003-05-06

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**Canadian Applications Open to Public Inspection**  
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[21] 2,464,979
[13] A1
[51] Int.Cl. 7A01H 4/00 7A01H 7/00
7C12N 5/04
[25] EN
[54] EMBRYOGENIC CULTURE INITIATION OF DOUGLAS FIR BY MALTOSE
[54] CULTURE EMBRYOGENIQUE DE DOUGLAS TAXIFOLIE A L'AIDE DE MALTOSE
[72] BUDWORTH, DORIS, US
[72] HOLMSTROM, DIANE G., US
[72] GUPTA, PRAMOD K., US
[71] WEYERHAEUSER COMPANY, US
[22] 2004-04-21
[41] 2004-11-05
[30] US (60/468,304) 2003-05-05

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[21] 2,465,198
[13] A1
[51] Int.Cl. 7C07F 5/02
[25] EN
[54] PROCESS FOR THE FLUORINATION OF BORON HYDRIDES
[54] METHODE DE FLUORATION D'HYDRURES DE BORE
[72] CASTEEL, WILLIAM JACK, JR., US
[72] IVANOV, SERGI VLADIMIROVICH, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2004-04-26
[41] 2004-11-01
[30] US (10/427,341) 2003-05-01

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[21] 2,465,255
[13] A1
[51] Int.Cl. 7G06F 12/02 7G06F 12/10
[25] EN
[54] IMPLEMENTATION OF MEMORY ACCESS CONTROL USING OPTIMIZATIONS
[54] MISE EN OEUVRE DE CONTROLE D'ACCES A LA MEMOIRE BASE SUR DES OPTIMISATIONS
[72] ENGLAND, PAUL, US
[72] PEINADO, MARCUS, US
[71] MICROSOFT CORPORATION, US
[22] 2004-04-27
[41] 2004-11-02
[30] US (60/467,343) 2003-05-02
[30] US (10/610,666) 2003-06-30

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[21] 2,465,095
[13] A1
[51] Int.Cl. 7A23C 19/08 7A23C 19/06
7A23C 19/076
[25] EN
[54] ACID WHEY TEXTURE SYSTEM
[54] SYSTEME DE TEXTURE DE LACTOSERUM ACIDE
[72] CHA, ALICE S., US
[72] NELLENBACK, TIMOTHY, US
[72] LOH, JIMBAY, US
[71] KRAFT FOODS HOLDINGS, INC., US
[22] 2004-04-20
[41] 2004-11-01
[30] US (10/427,567) 2003-05-01

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[21] 2,465,246
[13] A1
[51] Int.Cl. 7G06F 13/38 7G06F 12/14
7H04L 9/28
[25] EN
[54] DYNAMIC SUBSTITUTION OF USB DATA FOR ON-THE-FLY ENCRYPTION/DECRYPTION
[54] SUBSTITUTION DYNAMIQUE DE DONNEES USB POUR LE CRYPTAGE/DECRYPTAGE A LA VOLEE
[72] KEHL, THEODORE, US
[72] RAY, KENNETH, US
[71] MICROSOFT CORPORATION, US
[22] 2004-04-27
[41] 2004-11-02
[30] US (10/428,251) 2003-05-02

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[21] 2,465,270
[13] A1
[51] Int.Cl. 7G06F 13/38 7G06F 3/023
7H04L 9/28
[25] EN
[54] SECURE COMMUNICATION WITH A KEYBOARD OR RELATED DEVICE
[54] COMMUNICATION PROTEGEE AVEC UN CLAVIER OU UN DISPOSITIF CONNEXE
[72] PEINADO, MARCUS, US
[72] BENALOH, JOSH, US
[71] MICROSOFT CORPORATION, US
[22] 2004-04-27
[41] 2004-11-02
[30] US (10/428,675) 2003-05-02

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[21] 2,465,164
[13] A1
[51] Int.Cl. 7A61M 5/32 7A61M 5/00
[25] EN
[54] CONTROLLED RELEASE STRUCTURE FOR ATTACHING MEDICAL DEVICES
[54] STRUCTURE DE DEGAGEMENT CONTROLEE POUR FIXATION DE DISPOSITIFS MEDICAUX
[72] GRADY, WILLIAM N., US
[72] CAIZZA, RICHARD J., US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2004-04-23
[41] 2004-11-02
[30] US (10/428,720) 2003-05-02

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[21] 2,465,252
[13] A1
[51] Int.Cl. 7E06C 7/00 7E06C 1/00 7F16C 11/00 7E05D 7/00
[25] EN
[54] HINGE AND LOCKING ASSEMBLY FOR A CENTER-FOLDING LADDER
[54] ENSEMBLE D'ARTICULATION ET DE VERROUILLAGE POUR UNE ECHELLE PLIABLE AU CENTRE
[72] BEAVER, JEFFREY, US
[71] COSCO MANAGEMENT, INC., US
[22] 2004-04-27
[41] 2004-11-01
[30] US (60/467,220) 2003-05-01

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[21] 2,465,332
[13] A1
[51] Int.Cl. 7H03M 13/45
[25] EN
[54] SOFT INPUT DECODING FOR LINEAR CODES
[54] DECODAGE DE DONNEES D'ENTREE TEMPORAIRES POUR CODES LINEAIRES
[72] GUINAND, PAUL, CA
[72] LODGE, JOHN, CA
[72] KERR, RON, CA
[71] GUINAND, PAUL, CA
[71] LODGE, JOHN, CA
[71] KERR, RON, CA
[22] 2004-04-28
[41] 2004-11-05
[30] US (60/467,564) 2003-05-05

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**Demandes canadiennes mises à la disponibilité du public**  
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[21] **2,465,389**  
[13] A1

[51] Int.Cl. 7H05B 41/02  
[25] EN  
[54] OPERATING DEVICE AND  
METHOD FOR OPERATING GAS  
DISCHARGE LAMPS  
[54] DISPOSITIF ET METHODE  
D'EXPLOITATION DE LAMPES A  
DECHARGE GAZEUSE  
[72] BREUER, CHRISTIAN, DE  
[72] WEIDEMANN, RALF, DE  
[72] HUBER, ANDREAS, DE  
[71] PATENT-TREUHAND-  
GESELLSCHAFT FUER ELEKTRISCHE  
GLUEHLAMPEN MBH, DE  
[22] 2004-04-28  
[41] 2004-11-02  
[30] DE (103 19 950.0) 2003-05-02

[21] **2,465,392**  
[13] A1

[51] Int.Cl. 7B65D 83/60  
[25] EN  
[54] APPARATUS FOR DELIVERING  
SENSITIVE LIQUID MEDIA  
[54] APPAREIL POUR  
L'ADMINISTRATION DE SUPPORT  
LIQUIDE SENSIBLE  
[72] BOBST, BENJAMIN, DE  
[71] ARZNEIMITTEL GMBH  
APOTHEKER VETTER & CO.  
RAVENSBURG, DE  
[22] 2004-04-16  
[41] 2004-11-03  
[30] DE (103 19 874.1) 2003-05-03

[21] **2,465,411**  
[13] A1

[51] Int.Cl. 7E21B 31/107  
[25] EN  
[54] HYDRAULIC JAR LOCK  
[54] VERROUILLAGE DE COULISSE  
DE FORAGE HYDRAULIQUE  
[72] LEACH, DONALD L., US  
[72] STREATER, JAMES R., US  
[71] NATIONAL-OILWELL, L.P., US  
[22] 2004-04-28  
[41] 2004-11-01  
[30] US (10/427,773) 2003-05-01

[21] **2,465,433**  
[13] A1

[51] Int.Cl. 7E04B 2/74 7E06B 3/94  
[25] EN  
[54] VERTICALLY MOVABLE  
PARTITIONS  
[54] CLOISONS VERTICALEMENT  
MOBILES  
[72] PETERSON, MILES E., CA  
[71] PETERSON, MILES E., CA  
[22] 2004-04-27  
[41] 2004-11-06  
[30] US (10/430,528) 2003-05-06  
[30] US (10/806,883) 2004-03-23

[21] **2,465,453**  
[13] A1

[51] Int.Cl. 7F04D 29/34 7F04D 25/08  
[25] EN  
[54] QUICK CONNECT CEILING FAN  
BLADE  
[54] PALE DE VENTILATEUR DE  
PLAFOND A RACCORD RAPIDE  
[72] TSUJI, MASAO, US  
[72] BIRD, GREGORY MICHAEL, US  
[71] HUNTER FAN COMPANY, US  
[22] 2004-04-28  
[41] 2004-11-01  
[30] US (10/427,248) 2003-05-01

[21] **2,465,474**  
[13] A1

[51] Int.Cl. 7B65G 41/02 7B65G 35/06  
[25] EN  
[54] CONVEYANCE APPARATUS  
USING MOVABLE BODIES  
[54] APPAREIL DE TRANSPORT  
UTILISANT DES CORPS MOBILES  
[72] NISHIHARA, SHIGEYOSHI, JP  
[72] IBA, TOSHIYUKI, JP  
[71] DAIFUKU CO., LTD., JP  
[22] 2004-04-28  
[41] 2004-11-01  
[30] JP (2003-126093) 2003-05-01  
[30] JP (2003-126094) 2003-05-01  
[30] JP (2003-126095) 2003-05-01

[21] **2,465,555**  
[13] A1

[51] Int.Cl. 7C01B 3/00  
[25] EN  
[54] HYDROGEN STORAGE BY  
REVERSIBLE HYDROGENATION OF  
PI-CONJUGATED SUBSTRATES  
[54] STOCKAGE D'HYDROGÈNE PAR  
HYDROGENATION IRREVERSIBLE  
DE SUBSTRATS CONJUGUES PI  
[72] PEZ, GUIDO PETER, US  
[72] SCOTT, AARON RAYMOND, US  
[72] COOPER, ALAN CHARLES, US  
[72] CHENG, HANSONG, US  
[71] AIR PRODUCTS AND CHEMICALS,  
INC., US  
[22] 2004-04-29  
[41] 2004-11-06  
[30] US (10/430,246) 2003-05-06

[21] **2,465,591**  
[13] A1

[51] Int.Cl. 7B26B 19/14  
[25] EN  
[54] AN ELECTRIC ROTARY SHAVER  
[54] RASOIR ELECTRIQUE ROTATIF  
[72] MIYASAKA, TOSHIHIDE, JP  
[71] IZUMI PRODUCTS COMPANY, JP  
[22] 2004-04-29  
[41] 2004-11-06  
[30] JP (2003-127991) 2003-05-06

[21] **2,465,623**  
[13] A1

[51] Int.Cl. 7G01N 33/86  
[25] EN  
[54] METHOD AND APPARATUS FOR  
DETERMINING ANTICOAGULANT  
THERAPY FACTORS  
[54] METHODE ET APPAREIL POUR  
DETERMINATION DE FACTEURS  
D'ANTICOAGULOTHERAPIE  
[72] JACKSON, R. DAVID, US  
[72] CARROLL, WALLACE E., US  
[71] WADA, INC., US  
[22] 2004-04-30  
[41] 2004-11-02  
[30] US (10/428,708) 2003-05-02  
[30] US (C.I.P. 10/662,043) 2003-09-12

**Canadian Applications Open to Public Inspection**  
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[21] **2,465,631**  
[13] A1

[51] Int.Cl. 7B05D 1/12 7C09D 127/12  
[25] EN  
[54] PROCESS AND APPARATUS FOR THE APPLICATION OF FLUROPOLYMER COATING TO A THREADED FASTENER  
[54] PROCEDE ET APPAREIL POUR APPLIQUER UN REVETEMENT EN FLUROPOLYMER SUR UN DISPOSITIF DE FIXATION FILETE  
[72] SESSA, EUGENE, US  
[72] DUFFY, RICHARD J., US  
[71] NYLOK CORPORATION, US  
[22] 2004-04-29  
[41] 2004-11-01  
[30] US (10/428,162) 2003-05-01

[21] **2,465,656**  
[13] A1

[51] Int.Cl. 7C09D 175/04 7C09D 5/03  
[25] EN  
[54] LOW-TEMPERATURE-CURABLE, SOLID POLYURETHANE POWDER COATING COMPOSITIONS CONTAINING URETDIONE GROUPS  
[54] COMPOSITIONS SOLIDES DE REVETEMENT A BASE DE POUDRE DE POLYURETHANE DURCISSABLE A BASSE TEMPERATURE RENFERMANT DES GROUPES URETDIONES  
[72] LOESCH, HOLGER, DE  
[72] WEISS, JORN VOLKER, DE  
[72] WENNING, ANDREAS, DE  
[72] SPYROU, EMMANOUIL, DE  
[72] GRENDIA, WERNER, DE  
[71] DEGUSSA AG, DE  
[22] 2004-04-30  
[41] 2004-11-03  
[30] DE (103 20 267.6) 2003-05-03

[21] **2,465,657**  
[13] A1

[51] Int.Cl. 7B01D 67/00  
[25] EN  
[54] MEMBRANE FILTER WITH DEAERATION AND METHOD FOR THE MANUFACTURE THEREOF  
[54] FILTRE A MEMBRANE A DESAERATION, ET METHODE DE FABRICATION  
[72] FLEUREN, MARC JOHANNES, NL  
[72] KOUTERS, LUCAS JOHANNES CORNELIS, NL  
[72] BLUME, INGO, NL  
[71] FILTRIX B.V., NL  
[22] 2004-04-30  
[41] 2004-11-02  
[30] NL (1023332) 2003-05-02

[21] **2,465,739**  
[13] A1

[51] Int.Cl. 7C07F 7/18 7C08K 3/04 7C08J 3/22  
[25] EN  
[54] ORGANOSILANE MASTERBATCH  
[54] MELANGE MAITRE D'ORGANOSILANE  
[72] WU, LU-LIANG, CN  
[71] EVERMORE TRADING CORPORATION, CN  
[71] DEGUSSA AG, DE  
[22] 2004-04-30  
[41] 2004-11-02  
[30] EP (03 010 018.4) 2003-05-02

[21] **2,465,743**  
[13] A1

[51] Int.Cl. 7E21B 47/14  
[25] EN  
[54] ADJUSTABLE DEPLOYMENT APPARATUS FOR AN ACTIVELY CLAMPED TUBING-CONVEYED IN-WELL SEISMIC STATION  
[54] APPAREIL DE DEPLOIEMENT REGLABLE POUR STATION SISMIQUE A SERRAGE ACTIF EN TUBAGE DE PUITS  
[72] BERG, ARNE, NO  
[72] KNUDSEN, SVERRE, NO  
[72] FOSTER, MICHAEL, US  
[72] COON, ROBERT, US  
[72] BOSTICK, FRANCIS XAVIER III, US  
[72] KIPPOLA, KEVIN S., US  
[71] WEATHERFORD/LAMB, INC., US  
[22] 2004-04-30  
[41] 2004-11-02  
[30] US (60/467,511) 2003-05-02  
[30] US (10/641,402) 2003-08-14

[21] **2,465,692**  
[13] A1

[51] Int.Cl. 7G01V 15/00  
[25] EN  
[54] RETRACTABLE COIL UNIT FOR TAGS  
[54] BOBINE A FIL RENTRANT POUR ETIQUETTES  
[72] GARNER, GLEN WALTER, CA  
[71] GARNER, GLEN WALTER, CA  
[22] 2004-04-29  
[41] 2004-11-02  
[30] US (60/467,160) 2003-05-02

[21] **2,465,734**  
[13] A1

[51] Int.Cl. 7C10M 135/18 7C10L 3/00  
7C10M 101/00 7C10M 137/02 7C10M 129/10 7C10M 135/12

[25] EN  
[54] ASHLESS LUBRICATING OIL COMPOSITION WITH LONG LIFE  
[54] COMPOSITION D'HUILE LUBRIFIANTE EXEMPTE DE CENDRE ET A LONGUE DUREE DE VIE  
[72] CARTWRIGHT, STANLEY JAMES, CA  
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
[22] 2004-04-30  
[41] 2004-11-02  
[30] US (60/467,338) 2003-05-02  
[30] US (10/830,771) 2004-04-23

[21] **2,465,805**  
[13] A1

[51] Int.Cl. 7A23K 1/06 7A61P 9/00 7A23K 1/16  
[25] EN  
[54] BENEFICIAL EFFECT OF DISTILLERS GRAIN IN CARDIOVASCULAR DISEASE  
[54] EFFET BENEFIQUE DE DRECHES DE DISTILLERIE POUR SUJETS ATTEINTS DE MALADIES CARDIOVASCULAIRES  
[72] SETHI, RAJAT, CA  
[71] SETHI, RAJAT, CA  
[22] 2004-04-27  
[41] 2004-11-01  
[30] US (60/466,782) 2003-05-01  
[30] US (60/471,363) 2003-05-19  
[30] US (60/492,993) 2003-08-07

**Demandes canadiennes mises à la disponibilité du public**  
**31 octobre 2004 au 6 novembre 2004**

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[21] **2,465,865**  
 [13] A1

[51] Int.Cl. 7E21B 33/06  
 [25] EN  
 [54] BOP HANDLING SYSTEM  
 [54] SYSTEME DE MANOEUVRE DE BOP  
 [72] KAINER, BRYAN, US  
 [72] ZAHN, BALDWIN, US  
 [71] NATIONAL-OILWELL, L.P., US  
 [22] 2004-04-30  
 [41] 2004-11-02  
 [30] US (60/467,508) 2003-05-02

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[21] **2,465,867**  
 [13] A1

[51] Int.Cl. 7A61B 17/56  
 [25] EN  
 [54] A TRACTION APPARATUS  
 [54] APPAREIL DE TRACTION  
 [72] STUTZ, HEINRICH, CH  
 [72] DOMINATI, SIMON-PAUL, FR  
 [72] CASTELLI, CLAUDIO, IT  
 [72] HOUDEMER, HERVE, CH  
 [72] ROMERO, JOSE, CH  
 [72] GYSSLER, BERNHARD, CH  
 [71] CENTERPULSE ORTHOPEDICS LTD., CH  
 [22] 2004-04-30  
 [41] 2004-11-06  
 [30] EP (03 010 177.8) 2003-05-06  
 [30] DE (103 60 433.2) 2003-12-22

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[21] **2,465,872**  
 [13] A1

[51] Int.Cl. 7A63H 29/22 7A63H 29/00  
 [25] EN  
 [54] INTERACTIVE TOY  
 [54] JOUET INTERACTIF  
 [72] CESA, JOSEPH A., US  
 [71] THE FIRST YEARS INC., US  
 [22] 2004-04-30  
 [41] 2004-11-01  
 [30] US (10/427,333) 2003-05-01

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[21] **2,465,873**  
 [13] A1

[51] Int.Cl. 7H04M 3/42 7H04M 11/06  
 7H04L 12/16 7H04L 12/54  
 [25] EN  
 [54] MULTICASTING NOTIFICATION SYSTEM  
 [54] SYSTEME DE NOTIFICATION MULTIDIFFUSION  
 [72] WALTERS, STEPHEN, US  
 [72] CLARK, JOSEPH E., III, US  
 [72] TESINK, KAJ, US  
 [71] TELCORDIA TECHNOLOGIES, INC., US  
 [22] 2004-04-30  
 [41] 2004-11-06  
 [30] US (10/430,140) 2003-05-06

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[21] **2,465,878**  
 [13] A1

[51] Int.Cl. 7A61J 17/02 7A61C 19/00  
 7A61J 17/00  
 [25] EN  
 [54] PRESSURE-ACTIVATED VIBRATING TEETHER  
 [54] JOUET-DENTITION VIBRANT COMMANDE PAR LA PRESSION  
 [72] DESOURA, VASCO, US  
 [72] BREWIN, JOSEPH F., US  
 [72] BRITTO, JAMES J., US  
 [72] SALVO, LAWRENCE J., US  
 [72] MERIANOS, MARSHA, US  
 [71] THE FIRST YEARS INC., US  
 [22] 2004-04-30  
 [41] 2004-11-01  
 [30] US (10/428,530) 2003-05-01

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[21] **2,465,929**  
 [13] A1

[51] Int.Cl. 7H01M 8/02 7H01M 8/04  
 7H01M 8/24  
 [25] EN  
 [54] FUEL CELL POWER GENERATOR  
 [54] GENERATEUR ELECTRIQUE A PILE A COMBUSTIBLE  
 [72] GYOTEN, HISAAKI, JP  
 [72] KANBARA, TERUHISA, JP  
 [72] TOMIZAWA, TAKESHI, JP  
 [71] MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JP  
 [22] 2004-04-30  
 [41] 2004-11-02  
 [30] JP (2003-127266) 2003-05-02

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[21] **2,465,933**  
 [13] A1

[51] Int.Cl. 7E21B 29/00  
 [25] EN  
 [54] METHODS AND APPARATUS FOR REFORMING AND EXPANDING TUBULARS IN A WELLBORE  
 [54] METHODES ET APPAREIL POUR REFORMER ET ALLONGER DES TUBES DANS UN PUITS  
 [72] HAUGEN, DAVID, US  
 [72] METCALFE, PAUL DAVID, GB  
 [72] TILTON, FREDERICK T., GB  
 [72] HARRALL, SIMON JOHN, GB  
 [71] WEATHERFORD/LAMB, INC., US  
 [22] 2004-04-30  
 [41] 2004-11-02  
 [30] US (10/725,340) 2003-12-01  
 [30] US (60/467,503) 2003-05-02

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[21] **2,465,934**  
 [13] A1

[51] Int.Cl. 7E21B 23/00 7E21B 33/14  
 [25] EN  
 [54] HYDRAULIC TOOLS FOR SETTING LINER TOP PACKERS AND FOR CEMENTING LINERS  
 [54] OUTILS HYDRAULIQUES POUR LA MISE EN PLACE DE PACKERS SUPERIEURS DE COLONNE PERDUE ET POUR LA CIMENTATION DES COLONNES PERDUES  
 [72] HIRTH, DAVID E., US  
 [72] PEDERSEN, GERALD D., US  
 [71] WEATHERFORD/LAMB, INC., US  
 [22] 2004-04-30  
 [41] 2004-11-01  
 [30] US (10/427,726) 2003-05-01

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[21] **2,465,936**  
 [13] A1

[51] Int.Cl. 7E21B 23/01  
 [25] EN  
 [54] METHODS AND APPARATUS FOR ANCHORING DOWNHOLE TOOLS IN A WELLBORE  
 [54] METHODES ET APPAREIL POUR L'ANCRAGE D'OUTILS DE FOND DE PUITS  
 [72] HIRTH, DAVID E., US  
 [71] WEATHERFORD/LAMB, INC., US  
 [22] 2004-04-30  
 [41] 2004-11-02  
 [30] US (10/429,168) 2003-05-02

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[21] **2,465,942**  
 [13] A1

[51] Int.Cl. 7E21B 43/116 7F42B 33/00  
 7B21D 53/00 7B23P 15/22  
 [25] EN  
**PERFORATING GUN**  
**PERFORATEUR**  
 [54] BARLOW, DARREN R., US  
 [72] GILBERT, WILLIAM J., JR., US  
 [72] CROWDIS, DENNIS R., US  
 [71] HALLIBURTON ENERGY  
 SERVICES, INC., US  
 [22] 2004-04-30  
 [41] 2004-11-02  
 [30] US (10/428,576) 2003-05-02

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[21] **2,465,967**  
 [13] A1

[51] Int.Cl. 7F16J 15/06 7F16L 41/08  
 [25] EN  
**PIPE JOINT GASKET WITH  
 CLOSED END FACE**  
**GARNITURE DE RACCORD DE  
 TUYAU A FACE D'EXTREMITE  
 FERMEE**  
 [72] SKINNER, JAMES W., US  
 [71] PRESS-SEAL GASKET  
 CORPORATION, US  
 [22] 2004-04-30  
 [41] 2004-11-05  
 [30] US (10/461,725) 2003-05-05

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[21] **2,465,977**  
 [13] A1

[51] Int.Cl. 7C09D 175/04  
 [25] EN  
**SOLID POLYURETHANE  
 POWDER COATING COMPOSITIONS  
 CONTAINING URETDIONE GROUPS  
 THAT ARE HARDENABLE AT LOW  
 TEMPERATURES**  
**COMPOSITIONS SOLIDES DE  
 REVETEMENT A BASE DE Poudre de  
 POLYURETHANE RENFERMANT DES  
 GROUPES URETDIONES,  
 DURCISSABLES A BASSE  
 TEMPERATURE**  
 [72] LOESCH, HOLGER, DE  
 [72] WENNING, ANDREAS, DE  
 [72] SPYROU, EMMANOUIL, DE  
 [71] DEGUSSA AG, DE  
 [22] 2004-04-30  
 [41] 2004-11-03  
 [30] DE (103 20 266.8) 2003-05-03

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[21] **2,465,983**  
 [13] A1

[51] Int.Cl. 7A47D 15/00 7A47D 13/00  
 [25] EN  
**SWADDLING BLANKET**  
**COUVERTURE**  
**D'EMMAILLOTEMENT**  
 [72] BLACKBURN, NIJOLE, US  
 [71] THE FIRST YEARS INC., US  
 [22] 2004-04-30  
 [41] 2004-11-01  
 [30] US (10/428,596) 2003-05-01

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[21] **2,465,993**  
 [13] A1

[51] Int.Cl. 7E21B 29/00  
 [25] EN  
**EXPANDABLE HANGER WITH  
 COMPLIANT SLIP SYSTEM**  
[b54] SUPPORT EXTENSIBLE AVEC  
 SYSTEME COULISSANT FLEXIBLE  
 [72] MAGUIRE, PATRICK G., US  
 [71] WEATHERFORD/LAMB, INC., US  
 [22] 2004-04-30  
 [41] 2004-11-01  
 [30] US (10/428,163) 2003-05-01  
 [30] US (10/458,064) 2003-06-10

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[21] **2,466,003**  
 [13] A1

[51] Int.Cl. 7B29C 65/00 7B32B 7/12  
 7B64C 3/18 7B64C 1/38 7G01N 21/88  
 [25] EN  
**METHOD FOR AVOIDING AIR  
 POCKETS IN A JOINT BETWEEN TWO  
 STRUCTURAL COMPONENTS**  
[b54] METHODE POUR EVITER LES  
 BULLES D'AIR DANS LES JOINTS  
 ENTRE DEUX COMPOSANTS  
**STRUCTURAUX**  
 [72] WEISSER, TILMAN, DE  
 [71] WEISSER, TILMAN, DE  
 [22] 2004-05-03  
 [41] 2004-11-02  
 [30] DE (103 19 926.8) 2003-05-02

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[21] **2,466,014**  
 [13] A1

[51] Int.Cl. 7E21B 43/34 7C10G 1/04  
 7E21B 43/16  
 [25] EN  
**TREATMENT OF CRUDE OIL  
 FROM A WELL INCLUDING  
 EXTRACTION OF PARTICULATES  
 THEREFROM**  
**TRAITEMENT DU PETROLE  
 BRUT D'UN PUITS, Y COMPRIS  
 L'EXTRACTION DES PARTICULES  
 QU'IL CONTIENT**  
 [72] KING, WAYNE, CA  
 [71] SAND CONTROLS SYSTEMS LTD.,  
 CA  
 [22] 2004-04-30  
 [41] 2004-11-02  
 [30] US (60/467,139) 2003-05-02

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[21] **2,466,067**  
 [13] A1

[51] Int.Cl. 7A47L 11/20 7A47L 11/40  
 [25] EN  
**FLOOR CLEANING MACHINE  
 WITH DUST CONTROL APPARATUS  
 AND ASSOCIATED METHOD OF USE**  
[b54] MACHINE A NETTOYER LES  
 PLANCHERS AVEC APPAREIL  
 DEPOUSSIEREUR, ET METHODE  
 D'UTILISATION  
 [72] GROSZE, SCOTT F., US  
 [72] OBENSHAIN, JOHN L., US  
 [72] PETTY, JOHN S., US  
 [71] ALTO U.S. INC., US  
 [22] 2004-05-03  
 [41] 2004-11-05  
 [30] US (10/249,741) 2003-05-05

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[21] **2,466,070**  
 [13] A1

[51] Int.Cl. 7G09B 19/00 7G09B 7/00  
 [25] EN  
**ADAPTIVE ASSESSMENT SYSTEM  
 WITH SCAFFOLDED ITEMS**  
[b54] SYSTEME D'EVALUATION  
 ADAPTABLE AVEC ELEMENTS  
 ECHAFAUDES  
 [72] KAHL, STUART R., US  
 [72] BECHARD, SUE, US  
 [72] HILL, MARGARET, US  
 [71] MEASURED PROGRESS, INC., US  
 [22] 2004-05-03  
 [41] 2004-11-01  
 [30] US (60/466,970) 2003-05-01

**Demandes canadiennes mises à la disponibilité du public**  
**31 octobre 2004 au 6 novembre 2004**

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[21] **2,466,125**  
 [13] A1

[51] Int.Cl. 7H01R 24/10 7H01R 13/629  
 [25] EN  
 [54] COMBINATION SLEEVE AND SPRING CAGE INCORPORATED INTO A ONE-PIECE FEMALE TERMINAL FOR INTERENGAGING A CORRESPONDING MALE TERMINAL AND METHOD OF CONFIGURING SUCH A SLEEVE AND SPRINGCAGE FROM A BLANK SHAPE  
 [54] MANCHON ET CAGE DE RESSORT COMBINES FORMANT UNE BORNE FEMELLE MONOBLOC ET PERMETTANT UNE INTERLIAISON AVEC LA BORNE MALE CORRESPONDANTE, ET METHODE DE CONFIGURATION DU MANCHON ET DE LA CAGE DE RESSORT A PARTIR D'UNE EBAUCHE  
 [72] WEIPING, ZHAO, US  
 [71] ALCOA FUJIKURA LIMITED, US  
 [22] 2004-05-03  
 [41] 2004-11-01  
 [30] US (10/428,528) 2003-05-01

[21] **2,466,127**  
 [13] A1

[51] Int.Cl. 7G07C 9/00 7B66B 1/00  
 [25] EN  
 [54] SYSTEM FOR SECURITY CHECKING OR TRANSPORT OF PERSONS BY A LIFT INSTALLATION AND METHOD FOR OPERATING THIS SYSTEM  
 [54] SYSTEME DE VERIFICATION DE SECURITE OU DE TRANSPORT DE PERSONNES PAR ASCENSEUR, ET METHODE D'EXPLOITATION DE CE SYSTEME  
 [72] GAUSSMANN, ANDREAS, CH  
 [72] FRIEDLI, PAUL, CH  
 [71] INVENTIO AG, CH  
 [22] 2004-05-03  
 [41] 2004-11-05  
 [30] EP (03 405313.2) 2003-05-05

[21] **2,466,131**  
 [13] A1

[51] Int.Cl. 7G05D 23/19  
 [25] EN  
 [54] PROGRAMMABLE THERMOSTAT INCORPORATING AIR QUALITY PROTECTION  
 [54] THERMOSTAT PROGRAMMABLE INCORPORANT UNE FONCTION DE PROTECTION DE LA QUALITE DE L'AIR  
 [72] DELUCA, MICHAEL R., US  
 [71] LUX PRODUCTS CORPORATION, US  
 [22] 2004-05-03  
 [41] 2004-11-05  
 [30] US (60/467,942) 2003-05-05  
 [30] US (10/657,461) 2003-09-08

[21] **2,466,134**  
 [13] A1

[51] Int.Cl. 7E01B 11/54  
 [25] EN  
 [54] RAIL JOINT BARS AND RAIL JOINT ASSEMBLIES  
 [54] BARRES DE JOINT DE RAIL ET ENSEMBLES DE JOINTS DE RAIL  
 [72] DOWNEY, JOHN M., US  
 [72] MOSPAN, JOHN W., US  
 [72] URMSON, W. THOMAS, JR., US  
 [71] PORTEC RAIL PRODUCTS, INC., US  
 [22] 2004-05-03  
 [41] 2004-11-02  
 [30] US (60/467,451) 2003-05-02

[21] **2,466,137**  
 [13] A1

[51] Int.Cl. 7E01B 11/00  
 [25] EN  
 [54] PROFILED BAR  
 [54] BARRE PROFILEE  
 [72] MOSPAN, JOHN W., US  
 [72] URMSON, W. THOMAS, JR., US  
 [71] PORTEC RAIL PRODUCTS, INC., US  
 [22] 2004-05-03  
 [41] 2004-11-02  
 [30] US (60/467,988) 2003-05-02

[21] **2,466,139**  
 [13] A1

[51] Int.Cl. 7E21B 43/27  
 [25] EN  
 [54] DOWNHOLE TOOL AND METHOD FOR FRACTURING A SUBTERRANEAN WELL FORMATION  
 [54] OUTIL DE FOND ET METHODE DE FRACTURATION D'UNE FORMATION SOUTERRAINE  
 [72] SURJAATMADJA, JIM B., US  
 [71] HALLIBURTON ENERGY SERVICES, INC., US  
 [22] 2004-05-03  
 [41] 2004-11-06  
 [30] US (10/430,763) 2003-05-06

[21] **2,466,142**  
 [13] A1

[51] Int.Cl. 7A61M 25/01 7A61F 2/06  
**7A61M 25/09 7A61M 25/10**  
 [25] EN  
 [54] MEANS AND METHOD FOR STENTING BIFURCATED VESSELS  
 [54] MOYENS ET METHODE DE MISE EN PLACE D'ENDOPROTHESES DANS DES VAISSEAUX DEDOUBLES  
 [72] BURGERMEISTER, ROBERT, US  
 [72] FISCHELL, DAVID R., US  
 [72] SIDWALL, SCOTT, US  
 [72] FISCHELL, TIM A., US  
 [72] TROTTA, THOMAS N., US  
 [72] FISCHELL, ROBERT E., US  
 [71] CORDIS CORPORATION, US  
 [22] 2004-05-03  
 [41] 2004-11-05  
 [30] US (60/467,934) 2003-05-05

[21] **2,466,192**  
 [13] A1

[51] Int.Cl. 7H04N 5/262  
 [25] EN  
 [54] AUTOMATIC VIDEO-CONTENTS REVIEWING SYSTEM AND METHOD  
 [54] SYSTEME ET METHODE DE REVUE AUTOMATIQUE DE CONTENU VIDEO  
 [72] JUN, SUNG BAE, KR  
 [72] HYUN, JIN HO, KR  
 [72] YOON, KYOUNG RO, KR  
 [71] LG ELECTRONICS INC., KR  
 [22] 2004-05-03  
 [41] 2004-11-02  
 [30] KR (28334-2003) 2003-05-02

**Canadian Applications Open to Public Inspection**  
**October 31, 2004 to November 6, 2004**

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[21] **2,466,195**  
 [13] A1

[51] Int.Cl. 7E01H 5/06 7A01B 15/00  
**7E02F 3/76**  
 [25] EN  
 [54] **ADJUSTABLE WING PLOW**  
 [54] **CHARRUE LATERALE**  
**REGLABLE**  
 [72] NIEMELA, NELS A., US  
 [72] NIEMELA, CAL G., US  
 [72] QUENZI, PHILIP J., US  
 [71] BLIZZARD CORPORATION, US  
 [22] 2004-05-03  
 [41] 2004-11-02  
 [30] US (60/467,712) 2003-05-02  
 [30] US (10/835,429) 2004-04-29

[21] **2,466,209**  
 [13] A1

[51] Int.Cl. 7E02F 9/28 7E02F 9/00  
 [25] EN  
 [54] **SQUEEGEE BLADE**  
 [54] **LAME DE RACLETTE**  
 [72] BIRDSONG, DUANE, US  
 [72] HILL, GILES III, US  
 [71] SETCO, INC., US  
 [22] 2004-05-03  
 [41] 2004-11-01  
 [30] US (60/467,438) 2003-05-01

[21] **2,466,211**  
 [13] A1

[51] Int.Cl. 7B65F 1/12  
 [25] EN  
 [54] **REFUSE RECEPTACLE HAVING A CHARGING HOPPER AND MOVING FLOOR AND METHOD THEREFOR**  
 [54] **RECIPIENT A DECHETS AYANT UNE CHAMBRE DE BROYAGE ET UN PLANCHER MOBILE ET METHODE CONNEXE**  
 [72] THOBE, HELMUT OTTO BRUNO, AU  
 [72] THOBE, MICHAEL, AU  
 [71] THOBE, HELMUT OTTO BRUNO, AU  
 [71] THOBE, MICHAEL, AU  
 [22] 2004-05-03  
 [41] 2004-11-06  
 [30] US (10/430,625) 2003-05-06

[21] **2,466,212**  
 [13] A1

[51] Int.Cl. 7C22C 29/02 7C22C 29/08  
 [25] EN  
 [54] **COMPOSITIONS HAVING ENHANCED WEAR RESISTANCE**  
 [54] **COMPOSITIONS AYANT UNE RESISTANCE AMELIOREE A L'USURE**  
 [72] GRIFFO, ANTHONY, US  
 [72] LIANG, DA-BEN, US  
 [72] LOCKWOOD, GREG, US  
 [71] SMITH INTERNATIONAL, INC., US  
 [22] 2004-05-03  
 [41] 2004-11-02  
 [30] US (60/467,347) 2003-05-02

[21] **2,466,224**  
 [13] A1

[51] Int.Cl. 7A61G 7/10  
 [25] EN  
 [54] **DEVICE FOR LIFTING PATIENT OR DISABLED PERSON**  
 [54] **DISPOSITIF DE LEVAGE POUR PATIENT OU PERSONNE HANDICAPEE**  
 [72] VAN RAEMDONCK, RENE, BE  
 [71] HANDI-MOVE INTERNATIONAL N.V., BE  
 [22] 2004-05-04  
 [41] 2004-11-06  
 [30] EP (03447105.2) 2003-05-06

[21] **2,466,245**  
 [13] A1

[51] Int.Cl. 7B05C 19/00  
 [25] EN  
 [54] **A SPRAY APPARATUS FOR COATING MATERIALS, IN PARTICULAR COATING POWDERS**  
 [54] **PULVERISATEUR DE MATERIAUX DE REVETEMENT, EN PARTICULIER LES POUDRES DE REVETEMENT**  
 [72] VIELI, HANSPIETER, CH  
 [72] MICHAEL, HANSPIETER, CH  
 [72] MAUCHLE, FELIX, CH  
 [71] ITW GEMA AG, CH  
 [22] 2004-05-04  
 [41] 2004-11-05  
 [30] DE (103 19 916.0) 2003-05-05

[21] **2,466,246**  
 [13] A1

[51] Int.Cl. 7H04M 1/725 7H04B 1/40  
 [25] EN  
 [54] **SYSTEM AND METHOD FOR AVOIDING INTERFERENCE AMONG MULTIPLE WIRELESS SYSTEMS**  
 [54] **SYSTEME ET METHODE PERMETTANT D'EVITER LE BROUILLAGE ENTRE PLUSIEURS SYSTEMES SANS FIL**  
 [72] KOPRIVICA, MILOSH, CA  
 [72] HUNDAL, SUKHDEEP S., CA  
 [71] VTECH TELECOMMUNICATIONS LIMITED, HK  
 [22] 2004-05-04  
 [41] 2004-11-06  
 [30] US (10/429,760) 2003-05-06

[21] **2,466,293**  
 [13] A1

[51] Int.Cl. 7H04M 1/725 7H04B 1/40  
 [25] EN  
 [54] **SYSTEMS AND METHODS FOR AVOIDING INTERFERENCE BETWEEN TWO COMMUNICATIONS SYSTEMS**  
 [54] **SYSTEMES ET METHODES PERMETTANT D'EVITER LE BROUILLAGE ENTRE DEUX SYSTEMES DE COMMUNICATION**  
 [72] HUNDAL, SUKHDEEP S., CA  
 [72] KOPRIVICA, MILOSH, CA  
 [71] VTECH TELECOMMUNICATIONS LIMITED, HK  
 [22] 2004-05-04  
 [41] 2004-11-06  
 [30] US (10/429,763) 2003-05-06

[21] **2,466,312**  
 [13] A1

[51] Int.Cl. 7D21H 21/14 7D21H 17/55  
 [25] EN  
 [54] **A RETENTION AND DRAINAGE SYSTEM RECOMMENDED FOR THE MANUFACTURING OF PAPER, PAPERBOARD, CARDBOARD AND OTHER SIMILAR PRODUCTS**  
 [54] **SYSTEME DE RETENTION ET D'EGOUTTAGE RECOMMANDÉ POUR LA FABRICATION DU PAPIER, DU CARTON ET AUTRES PRODUITS SEMBLABLES**  
 [72] LOPEZ VERGARA, GERMAN, CL  
 [71] LOPEZ VERGARA, GERMAN, CL  
 [22] 2004-05-04  
 [41] 2004-11-05  
 [30] CL (CL 904-2003) 2003-05-05

**Demandes canadiennes mises à la disponibilité du public**  
**31 octobre 2004 au 6 novembre 2004**

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[21] **2,466,329**  
[13] A1

[51] Int.Cl. 7A01G 23/081  
[25] EN  
**FELLING HEAD ACCUMULATOR ARM**  
[54] **BRAS D'ACCUMULATEUR DE TETE D'ABATTAGE**  
[72] MAUCHLEN, LESLIE, CA  
[71] TIMBERJACK INC., CA  
[22] 2004-05-05  
[41] 2004-11-05  
[30] US (60/467,982) 2003-05-05

[21] **2,466,384**  
[13] A1

[51] Int.Cl. 7A01G 23/081  
[25] EN  
**BUTT PLATE FOR FELLER BUNCHER**  
[54] **PLAQUE DE BUTEE POUR ABATTEUSE-EMPILEUSE**  
[72] DISABATINO, BENJAMIN, CA  
[71] TIMBERJACK INC., CA  
[22] 2004-05-05  
[41] 2004-11-05  
[30] US (60/467,980) 2003-05-05

[21] **2,466,394**  
[13] A1

[51] Int.Cl. 7A61F 2/44  
[25] EN  
**ARTIFICIAL INTERVERTEBRAL DISC**  
[54] **DISQUE INTERVERTEBRAL ARTIFICIEL**  
[72] RICHELSOPH, MARC, US  
[71] SPINAL INNOVATIONS, INC., US  
[22] 2004-05-05  
[41] 2004-11-06  
[30] US (10/430,861) 2003-05-06

[21] **2,466,370**  
[13] A1

[51] Int.Cl. 7B65D 5/52 7B65D 5/18  
[25] EN  
**WRAPAROUND-STYLE SHIPPING CONTAINERS CONVERTIBLE TO DISPENSING OR DISPLAY CONTAINERS**  
[54] **EMBALLAGES ENVELOPPANTS DE TRANSPORT SE TRANSFORMANT EN CONTENANTS DE DISTRIBUTION OU DE PRESENTATION**  
[72] ROCHEFORT, OSCAR, US  
[72] MCLEOD, MICHAEL B., US  
[71] STONE CONTAINER CORPORATION, US  
[22] 2004-05-05  
[41] 2004-11-05  
[30] US (10/429,510) 2003-05-05

[21] **2,466,386**  
[13] A1

[51] Int.Cl. 7B66C 13/54 7E21B 19/22  
[25] EN  
**ELEVATING OPERATOR CABIN FOR COILED TUBING INJECTOR**  
[54] **CABINE DE COMMANDE ELEVATRICE POUR INJECTEUR DE TUBES ENROULES**  
[72] MCCULLOCH, DAVID W., US  
[72] CAIN, TROY D., US  
[71] VARCO I/P, INC., US  
[22] 2004-05-05  
[41] 2004-11-05  
[30] US (60/468,240) 2003-05-05

[21] **2,466,397**  
[13] A1

[51] Int.Cl. 7A01F 15/10  
[25] EN  
**RECTANGULAR BALING PRESS**  
[54] **PRESSE A BALLES RECTANGULAIRES**  
[72] DUBOIS, JEAN-YVES, FR  
[71] DEERE & COMPANY, US  
[22] 2004-05-05  
[41] 2004-11-06  
[30] DE (103 19 985.3) 2003-05-06

[21] **2,466,371**  
[13] A1

[51] Int.Cl. 7G08C 17/00  
[25] EN  
**MOBILE ROBOT HYDRID COMMUNICATION LINK**  
[54] **LIAISON DE COMMUNICATIONS HYBRIDE POUR ROBOT MOBILE**  
[72] KUZAN, PAWEŁ, CA  
[72] GRYNIEWSKI, LAWRENCE, CA  
[72] GOLDENBERG, ANDREW A., CA  
[72] SCOTT, GORDON DOUGLAS, CA  
[71] ENGINEERING SERVICES INC., CA  
[22] 2004-05-05  
[41] 2004-11-05  
[30] US (60/467,550) 2003-05-05

[21] **2,466,393**  
[13] A1

[51] Int.Cl. 7G01N 33/15 7G01N 30/00  
7G01N 30/02  
[25] EN  
**IN VITRO METHOD FOR DETERMINING DRUG PERMEABILITY USING IMMOBILIZED ARTIFICIAL MEMBRANE CHROMATOGRAPHY**  
[54] **METHODE IN VITRO DE DETERMINATION DE LA PERMEABILITE D'UN MEDICAMENT PAR CHROMATOGRAPHIE A MEMBRANE ARTIFICIELLE IMMOBILISEE**  
[72] YANG, STEVE Y., CA  
[72] GUO, JUNAN, CA  
[72] ANIK, SHABBIR, CA  
[72] QU, ANTHONY Y., CA  
[72] HE, PING, CA  
[71] PATHÉON INC., CA  
[22] 2004-05-05  
[41] 2004-11-06  
[30] US (60/468,099) 2003-05-06

[21] **2,466,404**  
[13] A1

[51] Int.Cl. 7B26D 7/32  
[25] EN  
**METHOD AND DEVICE FOR REDUCING WEB BREAKAGE IN A WEB CUTTER**  
[54] **METHODE ET DISPOSITIF PERMETTANT DE REDUIRE LA CASSE DE BANDE DANS UN DISPOSITIF DE COUPE DE BANDE**  
[72] WILLIAMS, DANIEL J., US  
[72] SUSSMEIER, JOHN W., US  
[72] SKINGER, GREGORY P., US  
[71] PITNEY BOWES INC., US  
[22] 2004-05-05  
[41] 2004-11-06  
[30] US (10/431,237) 2003-05-06

**Canadian Applications Open to Public Inspection**  
**October 31, 2004 to November 6, 2004**

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[21] **2,466,409**  
[13] A1

[51] Int.Cl. 7B01J 29/064 7B01J 37/04  
7B01J 37/08 7B01D 53/94  
[25] EN  
[54] CATALYST FOR PURIFYING  
DIESEL ENGINE EXHAUST GAS AND  
METHOD FOR PRODUCTION THEREOF  
[54] CATALYSEUR POUR PURIFIER  
LES GAZ D'ECHAPPEMENT DE  
MOTEURS DIESELS ET METHODE  
POUR SA PRODUCTION  
[72] YOSHIKAWA, TATSUYA, JP  
[72] NAKANE, TAKUJI, JP  
[72] FUKUMOTO, ATSUSHI, JP  
[72] HORI, MASAO, JP  
[72] HIRUCHI, MAKOTO, JP  
[71] ICT CO., LTD., JP  
[71] INTERNATIONAL CATALYST  
TECHNOLOGY, INC., US  
[22] 2004-05-05  
[41] 2004-11-06  
[30] JP (2003-127910) 2003-05-06

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[21] **2,466,451**  
[13] A1

[51] Int.Cl. 7B32B 27/28 7B65D 1/00  
7C08J 5/00  
[25] EN  
[54] MULTILAYER CONTAINER  
[54] CONTENEUR MULTICOUCHE  
[72] MARUYAMA, KATSUYA, JP  
[72] MARUO, KAZUNOBU, JP  
[72] NANBA, HIROYUKI, JP  
[71] MITSUBISHI GAS CHEMICAL  
COMPANY INC., JP  
[22] 2004-05-05  
[41] 2004-11-06  
[30] JP (2003-128372) 2003-05-06

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[21] **2,466,452**  
[13] A1

[51] Int.Cl. 7E01B 3/00  
[25] EN  
[54] CROSS-TIE  
[54] TRAVERSE  
[72] SKOBLENICK, HARRY, CA  
[72] STEGLICH, BERNARD, CA  
[71] BOMBARDIER TRANSPORTATION  
GMBH, DE  
[22] 2004-05-05  
[41] 2004-11-06  
[30] US (60/468,096) 2003-05-06

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[21] **2,466,460**  
[13] A1

[51] Int.Cl. 7B32B 27/28 7B32B 31/00  
7B65D 65/40  
[25] EN  
[54] STATIC COF DIFFERENTIAL  
POLY FILM REAM WRAP  
[54] EMBALLAGE DE POLYFILM EN  
RAMES A DIFFERENTIEL DE  
COEFFICIENT DE FROTTEMENT  
STATIQUE  
[72] ARENT, WENDY L., US  
[72] NOWAK, MICHAEL R., US  
[72] MUELLER, LOU ANN, US  
[71] COATING EXCELLENCE  
INTERNATIONAL, US  
[22] 2004-05-05  
[41] 2004-11-05  
[30] US (10/430,108) 2003-05-05

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[21] **2,466,471**  
[13] A1

[51] Int.Cl. 7A47G 27/04  
[25] EN  
[54] FASTENING DEVICE  
[54] DISPOSITIF D'ATTACHE  
[72] LAZARUK, JAMES A., CA  
[72] HAMMERSCHMIDT, MICHAEL J.,  
CA  
[71] SWAMP MATS INC., CA  
[22] 2004-05-05  
[41] 2004-11-05  
[30] US (10/429255) 2003-05-05

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[21] **2,466,541**  
[13] A1

[51] Int.Cl. 7C23C 22/00 7C22B 1/00  
[25] EN  
[54] PASSIVATION OF SULFIDIC  
IRON-CONTAINING ROCK  
[54] PASSIVATION DE ROCHES  
SULFUREES CONTENANT DU FER  
[72] FUERSTENAU, MAURICE C., US  
[72] BECK, STEFAN, US  
[72] MISRA, MANORANJAN, US  
[71] FUERSTENAU, MAURICE C., US  
[71] BECK, STEFAN, US  
[71] MISRA, MANORANJAN, US  
[22] 2004-05-06  
[41] 2004-11-06  
[30] US (60/468,725) 2003-05-06

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[21] **2,466,546**  
[13] A1

[51] Int.Cl. 7B29C 47/00  
[25] EN  
[54] PRESSURE CONTROLLED FLUID  
PRESSURE EXTRUSION METHOD  
[54] METHODE D'EXTRUSION AU  
MOYEN D'UN FLUIDE SOUS  
PRESSION CONTROLEE  
[72] KOBAYASHI, KAZUTO, JP  
[72] KANAMARU, HISANOBU, JP  
[71] AIDA ENGINEERING CO., LTD., JP  
[22] 2004-05-06  
[41] 2004-11-06  
[30] US (10/431,114) 2003-05-06

---

[21] **2,466,549**  
[13] A1

[51] Int.Cl. 7C09K 7/02  
[25] EN  
[54] COLLOIDAL AND COLLOIDAL-LIKE SYSTEMS IN AQUEOUS, CLAY-BASED FLUIDS  
[54] SYSTEMES COLLOIDAUX ET DE TYPES COLLOIDAUX DANS DES FLUIDES AQUEUX A BASE D'ARGILE  
[72] KILCHRIST, MIKE, US  
[72] GROWCOCK, FRED, US  
[72] REA, TONY, US  
[72] BROKEY, TOMMY F., US  
[72] COWAN, JACK, US  
[71] MASI TECHNOLOGIES L.L.C., US  
[22] 2004-05-06  
[41] 2004-11-06  
[30] US (60/468,405) 2003-05-06

---

[21] **2,466,597**  
[13] A1

[51] Int.Cl. 7B60P 7/04 7B60J 11/00  
[25] EN  
[54] COVER FOR AN OBJECT  
SUBJECTED TO AN AIRSTREAM  
[54] COUVERCLE POUR UN OBJET  
SOUMIS A UN COURANT D'AIR  
[72] MORIN, ANDRE, CA  
[72] MORIN, MARC-ANDRE, CA  
[71] BOMBARDIER RECREATIONAL  
PRODUCTS INC., CA  
[22] 2004-05-06  
[41] 2004-11-06  
[30] US (60/468,075) 2003-05-06

**Demandes canadiennes mises à la disponibilité du public**  
**31 octobre 2004 au 6 novembre 2004**

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[21] **2,466,687**  
[13] A1

[51] Int.Cl. 7B41F 27/00

[25] EN

[54] APPARATUS FOR EXPOSING  
PRINTING PLATES FOR A PRINTING  
MECHANISM

[54] DISPOSITIF D'EXPOSITION DE  
PLAQUES D'IMPRESSION POUR  
MECANISME D'IMPRESSION

[72] DAUWE, MARKUS, DE

[72] STEFFEN, VOLKER, DE

[71] WERNER KAMMANN

MASCHINENFABRIK GMBH, DE

[22] 2004-04-30

[41] 2004-11-02

[30] DE (103 19 685.4) 2003-05-02

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[21] **2,466,689**  
[13] A1

[51] Int.Cl. 7A47J 17/02 7A23N 7/00

[25] EN

[54] FOOD PEELER

[54] PELEUSE D'ALIMENTS

[72] ESCOBAR, JUAN, US

[72] GARCIA, ARSENIO, US

[72] LOZEAU, KEVIN, US

[72] DI BITONTO, ANTHONY, US

[72] DRUMMOND, ALEC, US

[72] PROMMEL, MARK, US

[71] WORLD KITCHEN (GHC), LLC, US

[22] 2004-04-30

[41] 2004-11-02

[30] US (10/428,267) 2003-05-02

**Canadian Applications Open to Public Inspection  
October 31, 2004 to November 6, 2004**

# PCT Applications Entering the National Phase

## Demandes PCT entrant en phase nationale

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[21] 2,432,335
[13] A1
[51] Int.Cl. 7G06T 11/00 7G06T 17/00
7G01S 7/295
[25] EN
[54] METHOD AND APPARATUS FOR IMAGE FORMATION FROM SCAN DATA, AND CONTROL OF A SCANNING APPARATUS FOR THE SAME
[54] METHODE ET APPAREIL POUR FORMER UNE IMAGE A PARTIR DE DONNEES DE BALAYAGE ET COMMANDE D'UN APPAREIL DE BALAYAGE CONNEXE
[72] FISHMAN, MISHA, IL
[71] IMAGESAT INTERNATIONAL N.V., CY
[85] 2003-06-26
[86] 2003-05-01 (PCT/IL2003/000354)
[87] 2004-11-01 (WO/)

---

[21] 2,473,807
[13] A1
[51] Int.Cl. 7F04D 29/58 7F04D 29/04
7F04D 29/60
[25] EN
[54] LIQUID COOLED ELECTRIC DRIVEN ROTORDYNAMIC SYSTEM
[54] SYSTEME A DYNAMIQUE DE ROTOR, ELECTRIQUE, REFROIDI PAR LIQUIDE
[72] GARLASCO, CHRISTOPHER B. III, US
[72] MABE, WILLIAM J., US
[72] ROBERTS, GAIL, US
[72] JONES, JAMES LARRY, US
[71] SUNDYNE CORPORATION, US
[85] 2004-07-20
[86] 2003-01-16 (PCT/US2003/001279)
[87] 2003-08-07 (WO2003/064861)
[30] US (10/056,902) 2002-01-25

---

[21] 2,474,336
[13] A1
[51] Int.Cl. 7F21S 8/02 7F21V 19/00
7F21V 19/04
[25] EN
[54] LIGHT FITTING
[54] APPAREIL D'ECLAIRAGE
[72] TO, BAN CHIN, CN
[71] AURORA LIMITED, GB
[85] 2004-07-23
[86] 2003-01-22 (PCT/GB2003/000290)
[87] 2003-07-31 (WO2003/062702)
[30] GB (0201479.3) 2002-01-23

---

[21] 2,474,343
[13] A1
[51] Int.Cl. 7A61K 7/40 7A61P 17/16
7A61K 31/192 7A61K 7/48
[25] EN
[54] NSAID-CONTAINING TOPICAL FORMULATIONS THAT DEMONSTRATE CHEMOPREVENTIVE ACTIVITY
[54] FORMULATIONS TOPIQUES CONTENANT DES ANTI-INFLAMMATOIRES NON STEROIDIENS (AINS) QUI PRESENTENT UNE ACTIVITE CHIMIOPREVENTIVE
[72] EVANS, ALLAN, AU
[72] MCKINNON, ROSS, AU
[71] PHARMAQUEST PTY LTD, AU
[85] 2004-07-23
[86] 2003-01-24 (PCT/IB2003/000611)
[87] 2003-07-31 (WO2003/061713)
[30] US (60/350,957) 2002-01-25
[30] US (10/310,824) 2002-12-06

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[21] 2,462,204
[13] A1
[51] Int.Cl. 7B62D 1/10
[25] EN
[54] STEERING WHEEL MOUNTING HUB
[54] MOYEU DE MONTAGE POUR VOLANT
[72] DESPREAUX, MICHAEL, US
[72] AFFLECK, JOHN, CA
[71] KINGSVILLE PLASTICS LTD., CA
[71] DINO NORTH AMERICA CORPORATION, US
[85] 2004-03-31
[86] 2002-10-03 (PCT/US2002/031646)
[87] 2003-04-10 (WO2003/029066)
[30] US (60/326,933) 2001-10-04

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## PCT Applications Entering the National Phase

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**[21] 2,474,644**  
[13] A1

[51] Int.Cl. 7H04J 14/02  
[25] FR  
[54] PROCEDE POUR DETERMINER UNE ROUTE SPECTRALE POUR UNE CONNEXION DONNE DANS UN RESEAU DE TELECOMMUNICATION OPTIQUE  
[54] METHOD OF DETERMINING A SPECTRAL ROUTE FOR A GIVEN CONNECTION IN AN OPTICAL TELECOMMUNICATION NETWORK  
[72] DOUVILLE, RICHARD, FR  
[72] VIGOUREUX, MARTIN, FR  
[72] CIAVAGLIA, LAURENT, FR  
[72] DOTARO, EMMANUEL, FR  
[71] ALCATEL, FR  
[85] 2004-07-30  
[86] 2002-02-21 (PCT/FR2002/000652)  
[87] 2003-09-25 (WO2003/079596)

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**[21] 2,475,200**  
[13] A1

[51] Int.Cl. 7F16B 7/18 7F16B 35/00  
7A61F 2/44 7A61B 17/70 7A61B 17/84  
[25] EN  
[54] PEDICLE SCREW CONNECTOR APPARATUS AND METHOD  
[54] APPAREIL ET PROCEDE CONNECTEUR DE VIS PEDICULAIRE  
[72] RITLAND, STEPHEN, US  
[71] RITLAND, STEPHEN, US  
[85] 2004-08-03  
[86] 2003-02-20 (PCT/US2003/005086)  
[87] 2003-09-12 (WO2003/073908)  
[30] US (60/359,246) 2002-02-20

**[21] 2,475,298**  
[13] A1

[51] Int.Cl. 7G01N 33/50 7G01N 33/574  
[25] EN  
[54] CD16B AS A MARKER FOR THE DIAGNOSIS OF ENDOMETRIOSIS  
[54] CD16B UTILISE COMME MARQUEUR POUR LE DIAGNOSTIC DE L'ENDOMETROSE  
[72] PAGE, MARTIN, CA  
[72] HUGO, PATRICE, CA  
[72] SHAZAND, KAMRAN, CA  
[72] GOSELIN, DIANE, CA  
[72] GAGNE, DANIELE, CA  
[72] RIVARD, MICHELE, CA  
[72] LEPINE, MANON, CA  
[72] PLATON, CHRISTEL, CA  
[71] METROGENE BIOSCIENCES INC., CA  
[85] 2004-08-04  
[86] 2003-02-12 (PCT/CA2003/000205)  
[87] 2003-08-21 (WO2003/069336)  
[30] US (60/355,818) 2002-02-13

---

**[21] 2,475,358**  
[13] A1

[51] Int.Cl. 7C12P 7/40  
[25] EN  
[54] METHOD FOR PRODUCING METHACRYLIC ACID AND ACRYLIC ACID WITH A COMBINATION OF ENZYME CATALYSTS  
[54] PROCEDE D'OBTENTION D'UN ACIDE METHACRYLIQUE ET ACIDE METHACRYLIQUE PRESENTANT UNE COMBINAISON DE CATALYSEURS ENZYMATIQUES  
[72] MANZER, LEO E., US  
[72] GAVAGAN, JOHN E., US  
[72] FALLON, ROBERT D., US  
[72] DICOSIMO, ROBERT, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2004-08-05  
[86] 2003-02-04 (PCT/US2003/003433)  
[87] 2003-08-14 (WO2003/066872)  
[30] US (10/067,652) 2002-02-05

---

**[21] 2,475,690**  
[13] A1

[51] Int.Cl. 7C12Q 1/68  
[25] EN  
[54] DIAGNOSTIC METHOD FOR GLAUCOMA  
[54] PROCEDE SERVANT A DIAGNOSTIQUER LE GLAUCOME  
[72] GOLUBNITSCHAJA, OLGA, DE  
[71] FLAMMER, JOSEF, CH  
[85] 2004-08-10  
[86] 2002-03-01 (PCT/IB2002/000648)  
[87] 2003-09-12 (WO2003/074735)

---

**[21] 2,475,703**  
[13] A1

[51] Int.Cl. 7A61K 31/44 7A61P 35/00  
7A61P 19/02 7A61P 27/02 7A61P 17/06  
7A61K 31/17 7A61K 31/4436 7A61K 31/4709 7A61K 31/4725  
[25] EN  
[54] ARYL UREAS WITH ANGIOGENESIS INHIBITING ACTIVITY  
[54] UREES ARYLIQUES A ACTIVITE INHIBITRICE D'ANGIOGENESE  
[72] HATOUM-MAKDAD, HOLIA, US  
[72] SCOTT, WILLIAM J., US  
[72] ELTING, JAMES, US  
[72] DUMAS, JACQUES, US  
[71] BAYER PHARMACEUTICALS CORPORATION, US  
[85] 2004-08-10  
[86] 2003-02-11 (PCT/US2003/004103)  
[87] 2003-08-21 (WO2003/068228)  
[30] US (60/354,950) 2002-02-11

---

**[21] 2,475,730**  
[13] A1

[51] Int.Cl. 7H04Q 7/28 7H04M 3/56  
[25] EN  
[54] A METHOD AND AN APPARATUS FOR TERMINATING A USER FROM A GROUP CALL IN A GROUP COMMUNICATION NETWORK  
[54] PROCEDE ET APPAREIL TERMINANT LA PARTICIPATION D'UN UTILISATEUR A UN GROUPE D'APPEL DANS UN RESEAU DE COMMUNICATION DE GROUPE  
[72] ROSEN, ERIC C., US  
[72] MAGGENTI, MARK, US  
[72] CROCKETT, DOUGLAS M., US  
[71] QUALCOMM INCORPORATED, US  
[85] 2004-08-09  
[86] 2003-02-12 (PCT/US2003/004627)  
[87] 2003-08-21 (WO2003/069927)  
[30] US (10/077,267) 2002-02-14

## Demandes PCT entrant en phase nationale

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[21] 2,475,735  
[13] A1

[51] Int.Cl. 7C07K 16/12 7C07K 16/08  
7G01N 33/569  
[25] EN  
[54] IMMUNOTHERAPEUTICS FOR BIODEFENSE  
[54] AGENTS THERAPEUTIQUES IMMUNOLOGIQUES DESTINES A LA BIODEFENSE  
[72] WILD, MARTHA A., US  
[72] BOWDISH, KATHERINE S., US  
[71] ALEXION PHARMACEUTICALS, INC., US  
[85] 2004-08-09  
[86] 2003-02-11 (PCT/US2003/004206)  
[87] 2003-09-18 (WO2003/076568)  
[30] US (60/356,086) 2002-02-11  
[30] US (60/376,408) 2002-04-29  
[30] US (60/414,053) 2002-09-27  
[30] US (60/428,807) 2002-11-25

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[21] 2,475,768  
[13] A1

[51] Int.Cl. 7C07H 21/04 7C07H 21/02  
7C12N 5/10 7A61P 31/18 7A61K 31/5375  
7A61K 31/553 7A61K 31/7088 7A61K 31/7105 7C12N 15/85  
[25] EN  
[54] METHODS OF INHIBITING HIV-1 VPR ACTIVITY AND HIV-1 INFECTIVITY USING ATR OR RAD17 INHIBITORS  
[54] PROCEDE D'INHIBITION DE L'ACTIVITE DE LA PROTEINE VIRALE R DE VIH-1 ET L'INFECTIVITE DE VIH-1 UTILISANT DES INHIBITEURS D'ATR OU DE RAD17  
[72] PLANELLES, VICENTE, US  
[72] ROSHAL, MIKHAIL, US  
[72] ZHU, YONG HONG, US  
[71] UNIVERSITY OF ROCHESTER, US  
[71] UNIVERSITY OF UTAH, US  
[85] 2004-08-09  
[86] 2003-02-13 (PCT/US2003/004400)  
[87] 2003-08-21 (WO2003/068929)  
[30] US (60/357,159) 2002-02-13

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[21] 2,475,774  
[13] A1

[51] Int.Cl. 7C07K 16/00 7A01N 37/36  
7G01N 33/53 7A61K 31/655  
[25] EN  
[54] MONOCLONAL ANTIBODIES THAT ARE CROSS-REACTIVE AGAINST BACTERIAL COLLAGEN BINDING PROTEINS  
[54] ANTICORPS MONOCLONAUX A REACTION CROISEE CONTRE DES PROTEINES DE LIAISON DE COLLAGENE BACTERIEN  
[72] VISAI, LIVIA, IT  
[72] GIAMPIERO, PIETROCOLA, IT  
[72] SPEZIALE, PIETRO, IT  
[72] BATES, SARAH E., US  
[71] UNIVERSITA' DEGLI STUDI DI PAVIA, IT  
[85] 2004-08-10  
[86] 2003-02-21 (PCT/US2003/005040)  
[87] 2003-09-04 (WO2003/072607)  
[30] US (60/357,832) 2002-02-21  
[30] US (60/361,347) 2002-03-05

---

[21] 2,475,864  
[13] A1

[51] Int.Cl. 7C07D 207/327  
[25] EN  
[54] NOVEL CRYSTAL FORMS OF ATORVASTATIN HEMI-CALCIUM AND PROCESSES FOR THEIR PREPARATION, AS WELL AS NOVEL PROCESSES FOR PREPARING ATORVASTATIN HEMI-CALCIUM FORMS I, VIII AND IX  
[54] NOUVELLES FORMES CRISTALLINES D'HEMI-CALCIUM D'ATORVASTATINE  
[72] TESSLER, LIMOR, IL  
[72] HASSON, NIR, IL  
[72] ARONHIME, JUDITH, IL  
[72] LIFSHITZ-LIRON, REVITAL, IL  
[72] MAIDAN-HANOCH, DALIA, IL  
[71] TEVA PHARMACEUTICAL INDUSTRIES LTD., IL  
[85] 2004-08-11  
[86] 2003-02-19 (PCT/US2003/005384)  
[87] 2003-08-28 (WO2003/070702)  
[30] US (60/357,181) 2002-02-15  
[30] US (60/425,325) 2002-11-12

---

[21] 2,475,867  
[13] A1

[51] Int.Cl. 7C07D 271/06 7A61P 29/00  
7C07D 413/04 7C07D 413/06 7C07D 285/08 7A61K 31/4245 7A61K 31/433  
[25] EN  
[54] OXA- AND THIADIAZOLES AND THEIR USE AS METALLOPROTEINASE INHIBITORS  
[54] OXA- ET THIADIAZOLES ET LEUR UTILISATION COMME INHIBITEURS DE LA METALLOPROTEINASE  
[72] PAIN, GILLES, GB  
[72] GILLON, JEAN-YVES, FR  
[72] AYSCOUGH, ANDREW PAUL, GB  
[72] DAVIES, STEPHEN JOHN, GB  
[71] VERNALIS (OXFORD) LTD., GB  
[71] LABORATOIRES SERONO S.A., FR  
[85] 2004-08-11  
[86] 2003-02-20 (PCT/GB2003/000741)  
[87] 2003-08-28 (WO2003/070711)  
[30] GB (0204159.8) 2002-02-22

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[21] 2,475,880  
[13] A1

[51] Int.Cl. 7C07D 233/06 7C07C 69/00  
7A61P 25/00 7C07D 233/20 7C07D 233/22  
7A61K 31/4164  
[25] FR  
[54] NOUVEAUX DERIVES DE TRICYCLO-IMIDAZOLINES, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION A TITRE DE MEDICAMENTS  
[54] NOVEL TRICYCLOIMIDAZOLINE DERIVATIVES, METHOD FOR PRODUCTION AND USE THEREOF AS MEDICAMENTS  
[72] MARIEN, MARC, FR  
[72] IMBERT, THIERRY, FR  
[72] BONNAUD, BERNARD, FR  
[72] VACHER, BERNARD, FR  
[71] PIERRE FABRE MEDICAMENT, FR  
[85] 2004-08-11  
[86] 2003-02-14 (PCT/FR2003/000480)  
[87] 2003-08-21 (WO2003/068755)  
[30] FR (02/01839) 2002-02-14

## PCT Applications Entering the National Phase

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[21] 2,475,924  
[13] A1

[51] Int.Cl. 7C12Q 1/00  
[25] EN  
[54] NON-INVASIVE METHOD FOR MEASURING RATES OF BIOSYNTHESIS OF BIOLOGICAL MOLECULES BY LABEL INCORPORATION  
[54] MESURE DE VITESSES DE BIOSYNTHESE ET DE DEGRADATION DE MOLECULES BILOGIQUES INACCESSIBLES OU PEU ACCESSIBLES A UN ECHANTILLONNAGE DIRECT, DE MANIERE NON INVASIVE, PAR INCORPORATION D'ETIQUETTES DANS DES DERIVES METABOLIQUES ET DES PRODUITS CATABOLIQUES  
[72] HELLERSTEIN, MARC K., US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2004-08-11  
[86] 2003-02-12 (PCT/US2003/004183)  
[87] 2003-08-21 (WO2003/068919)  
[30] US (60/356,008) 2002-02-12

[21] 2,475,926  
[13] A1

[51] Int.Cl. 7C12P 21/06 7C12N 9/00  
7C12N 15/00 7C07H 21/04 7C12N 1/20  
[25] EN  
[54] OVER-EXPRESSION OF EXTREMOZYME GENES IN PSEUDOMONADS AND CLOSELY RELATED BACTERIA  
[54] SUREXPRESSION DES GENES EXTREMOZYME DANS LES BACTERIES PSEUDOMONALES ET BACTERIES ETROITEMENT LIEES  
[72] TALBOT, HENRY W., US  
[72] CHEW, LAWRENCE C., US  
[72] LEE, STACEY L., US  
[71] DOW GLOBAL TECHNOLOGIES INC., US  
[85] 2004-08-11  
[86] 2003-02-13 (PCT/US2003/004288)  
[87] 2003-08-21 (WO2003/068926)  
[30] US (US02/04294) 2002-02-13

[21] 2,475,928  
[13] A1

[51] Int.Cl. 7A61K 48/00 7A61K 9/14  
7C12N 15/63  
[25] EN  
[54] INHIBITION OF LUNG METASTASES BY AEROSOL DELIVERY OF P53 GENE AND ANTI-CANCER COMPOUNDS  
[54] INHIBITION DES METASTASES PULMONAIRES PAR ADMINISTRATION SOUS FORME D'AEROSOL DU GENE P53 ET DE COMPOSES ANTICANCEREUX  
[72] GILBERT, BRIAN, US  
[72] KNIGHT, VERNON J., US  
[72] KOSHKINA, NADEZHDA, US  
[72] GAUTAM, AJAY, US  
[72] WALDREP, J. CLIFFORD, US  
[72] DENSMORE, CHARLES L., US  
[71] RESEARCH DEVELOPMENT FOUNDATION, US  
[85] 2004-08-11  
[86] 2003-02-14 (PCT/US2003/004522)  
[87] 2003-08-21 (WO2003/068936)  
[30] US (60/356,864) 2002-02-14

[21] 2,476,188  
[13] A1

[51] Int.Cl. 7C12N 13/00 7C12M 1/42  
[25] EN  
[54] MOLECULE VIBRATOR  
[54] VIBRATEUR DE MOLECULES  
[72] MIZUNO, TAKAJI, JP  
[72] KOIDE, MASAFUMI, JP  
[72] SAKAMOTO, YOSHITAKA, JP  
[71] THE MOLLENNIUM LABORATORIES, JP  
[71] MEIRYO TECHNICA CORPORATION, LTD., JP  
[85] 2004-08-09  
[86] 2003-02-12 (PCT/JP2003/001424)  
[87] 2003-08-21 (WO2003/068953)  
[30] JP (2002-077310) 2002-02-12

[21] 2,476,473  
[13] A1

[51] Int.Cl. 7A61M 1/10 7F04B 23/00  
[25] EN  
[54] FLUID PUMP  
[54] POMPE POUR LIQUIDES PHYSIOLOGIQUES  
[72] VINCENT, DOUGLAS, US  
[72] MURPHY, MATTHEW J., US  
[71] DESIGN MENTOR, INC., US  
[85] 2004-08-16  
[86] 2003-02-21 (PCT/US2003/005179)  
[87] 2003-09-04 (WO2003/072161)  
[30] US (60/358,547) 2002-02-21

[21] 2,476,509  
[13] A1

[51] Int.Cl. 7A45F 5/00  
[25] EN  
[54] BELT MOUNTED TOOL HOLDER  
[54] PORTE-Outils MONTE SUR LA CEINTURE  
[72] HNATOWICZ, STEVE, US  
[72] MUSARELLA, MICHAEL, US  
[71] EZ HOOK, INC., US  
[85] 2004-08-16  
[86] 2003-02-21 (PCT/US2003/005038)  
[87] 2003-09-04 (WO2003/071895)  
[30] US (10/079,848) 2002-02-22

[21] 2,476,590  
[13] A1

[51] Int.Cl. 7A61B 17/04  
[25] EN  
[54] IMPROVEMENTS TO REPEATING MULTI-CLIP APPLIER  
[54] AMELIORATIONS APPORTEES A UN APPLICATEUR D'AGRAFES MULTIPLES A REPETITION  
[72] BLAKE III, JOSEPH W., US  
[71] BLAKE III, JOSEPH W., US  
[85] 2004-08-30  
[86] 2003-01-13 (PCT/US2003/000919)  
[87] 2003-07-31 (WO2003/061459)  
[30] US (10/051,513) 2002-01-17

[21] 2,476,812  
[13] A1

[51] Int.Cl. 7A47J 17/02  
[25] EN  
[54] VEGETABLE PEELER  
[54] EPLUCHE-LEGUMES  
[72] RASA, NOUSHA, CH  
[72] RASA, IWAN, CH  
[71] RASA, NOUSHA, CH  
[71] RASA, IWAN, CH  
[85] 2004-08-18  
[86] 2003-01-13 (PCT/CH2003/000010)  
[87] 2003-08-28 (WO2003/070070)  
[30] CH (314/02) 2002-02-22  
[30] CH (943/02) 2002-06-05

## Demandes PCT entrant en phase nationale

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[21] **2,476,859**

[13] A1

[51] Int.Cl. 7A61K 9/10 7A61K 47/12  
7A61K 31/167 7A61K 47/28 7A61K 47/44  
[25] EN  
[54] **WATER-BASED DELIVERY SYSTEMS**  
[54] **SISTEMES D'ADMINISTRATION A BASE AQUEUSE**  
[72] SKOLD, THOMAS, SE  
[71] COLLAGENEX PHARMACEUTICALS, INC., US  
[85] 2004-08-18  
[86] 2003-03-13 (PCT/US2003/007752)  
[87] 2003-09-25 (WO2003/077861)  
[30] US (60/365,059) 2002-03-13

---

[21] **2,476,888**

[13] A1

[51] Int.Cl. 7A61K 31/70 7A01N 45/00  
7C12N 5/00 7C07H 21/04  
[25] EN  
[54] **TARGETED DRUG DELIVERY METHODS**  
[54] **PROCEDES D'ADMINISTRATION D'UN MEDICAMENT CIBLE**  
[72] HALLAHAN, DENNIS E., US  
[72] GIORGIO, TODD D., US  
[72] GENG, LING, US  
[71] VANDERBILT UNIVERSITY, US  
[85] 2004-08-31  
[86] 2003-01-31 (PCT/US2003/002857)  
[87] 2003-08-14 (WO2003/066066)  
[30] US (60/353,306) 2002-02-01

---

[21] **2,476,889**

[13] A1

[51] Int.Cl. 7A44C 27/00 7A44C 3/00  
[25] EN  
[54] **BUTTON AND BUTTON MANUFACTURING DEVICE**  
[54] **BOUTON ET DISPOSITIF POUR LA FABRICATION DE BOUTON**  
[72] OGAWA, IWAKICHI, JP  
[72] KIKUCHI, KENETSU, JP  
[72] KANEKO, KENJI, JP  
[72] OJIMA, KAORI, JP  
[71] BANDAI CO., LTD., JP  
[71] KIKUCHI CO., LTD., JP  
[85] 2004-08-19  
[86] 2003-02-14 (PCT/JP2003/001586)  
[87] 2003-08-28 (WO2003/070046)  
[30] JP (2002-42396) 2002-02-19  
[30] JP (2002-169258) 2002-06-10  
[30] JP (2002-172100) 2002-06-12  
[30] JP (PCT/JP02/06361) 2002-06-25  
[30] JP (2002-320454) 2002-11-01

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[21] **2,477,076**

[13] A1

[51] Int.Cl. 7B60L 9/02 7H02P 7/68  
[25] EN  
[54] **SEQUENCED PULSE WIDTH MODULATION METHOD AND APPARATUS FOR CONTROLLING AND POWERING A PLURALITY OF DIRECT CURRENT MOTORS**  
[54] **PROCEDE ET DISPOSITIF DE MODULATION D'IMPULSIONS EN DUREE SEQUENCIÉE DESTINÉS À COMMANDER ET À ALIMENTER UNE PLURALITÉ DE MOTEURS À COURANT DIRECT**  
[72] DONNELLY, FRANK WEGNER, CA  
[72] IWAN, BRIAN GULAYETS, CA  
[71] RAILPOWER TECHNOLOGIES CORP., CA  
[85] 2004-08-23  
[86] 2003-02-24 (PCT/CA2003/000261)  
[87] 2003-09-04 (WO2003/072388)  
[30] US (10/083,587) 2002-02-27

---

[21] **2,477,077**

[13] A1

[51] Int.Cl. 7C01B 3/38 7H01M 8/06  
[25] EN  
[54] **STEAM REFORMING FUEL PROCESSOR, BURNER ASSEMBLY, AND METHODS OF OPERATING THE SAME**  
[54] **CONVERTISSEUR DE COMBUSTIBLE AVEC REFORMAGE À LA VAPEUR, ENSEMBLE BRULEUR ET PROCEDES POUR FAIRE FONCTIONNER CEUX-CI**  
[72] ELLIOTT, DARRELL J., US  
[72] STUDEBAKER, R. TODD, US  
[72] RENN, CURTISS, US  
[72] STEPHENS, REDWOOD, US  
[72] HAYES, ALAN E., US  
[72] PLEDGER, WILLIAM A., US  
[72] EDLUND, DAVID J., US  
[71] IDATECH, LLC, US  
[85] 2004-09-14  
[86] 2003-04-11 (PCT/US2003/011429)  
[87] 2003-10-30 (WO2003/089128)  
[30] US (60/372,748) 2002-04-14  
[30] US (60/392,397) 2002-06-27  
[30] US (10/412,709) 2003-04-10

---

[21] **2,477,083**

[13] A1

[51] Int.Cl. 7A47K 1/14 7E03C 1/26  
[25] EN  
[54] **DRAINAGE SYSTEM**  
[54] **SISTÈME DE DRAINAGE**  
[72] MAYER, ROBERT, H., US  
[72] MAYER, NICOLE D., US  
[71] MAYER, ROBERT, H., US  
[71] MAYER, NICOLE D., US  
[85] 2004-08-23  
[86] 2003-02-28 (PCT/US2003/006353)  
[87] 2003-09-04 (WO2003/071912)  
[30] US (10/085,936) 2002-02-28

---

[21] **2,477,089**

[13] A1

[51] Int.Cl. 7A61B 5/00  
[25] EN  
[54] **BLOOD SAMPLING DEVICE**  
[54] **DISPOSITIF DE PRÉLEVEMENT SANGUIN**  
[72] ROBBINS, AVI M., US  
[72] HEATH, JASON R., US  
[72] LEVAUGHN, RICHARD W., US  
[72] SOLIS, MITCHELL, US  
[72] KENNEDY, GWENN E., US  
[72] RUF, CHRISTOPHER J., US  
[72] STOHR, HERBERT, DE  
[72] OSTERTAG, WOLFGANG, DE  
[72] LOHRENZEL, ARMIN, DE  
[71] FACE Technologies, LLC, US  
[85] 2004-08-23  
[86] 2003-02-20 (PCT/US2003/005159)  
[87] 2003-09-04 (WO2003/071940)  
[30] DE (10208575.7) 2002-02-21  
[30] US (60/387,639) 2002-06-11  
[30] US (60/411,834) 2002-09-17  
[30] DE (10245721.2) 2002-09-24

## PCT Applications Entering the National Phase

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**[21] 2,477,093**  
[13] A1

[51] Int.Cl. 7A61J 1/03  
[25] EN  
[54] PILL, CAPSULE, OR MEDICINE CONTAINER AUDIO INSTRUCTION SYSTEMS AND METHODS FOR PROVIDING AUDIO INSTRUCTIONS WITH PILL, CAPSULE, OR MEDICINE CONTAINERS  
[54] SYSTEMES D'INSTRUCTIONS SONORES ASSOCIES A UN CONTENANT A PILLULES, CAPSULES OU MEDICAMENTS, ET PROCEDES POUR FOURNIR DES INSTRUCTIONS SONORES UTILISEES AVEC DE TELS CONTENANTS  
[72] MARIANO, ANTHONY R., US  
[72] ALLNATT, RANDY L., US  
[71] MEDIVOX RX TECHNOLOGIES, US  
[85] 2004-08-23  
[86] 2003-02-20 (PCT/US2003/005212)  
[87] 2003-09-04 (WO2003/072011)  
[30] US (10/080,285) 2002-02-21

---

**[21] 2,477,102**  
[13] A1

[51] Int.Cl. 7F26B 7/00 7F26B 17/00  
[25] EN  
[54] DRILL CUTTING TREATMENT METHOD AND APPARATUS  
[54] PROCEDE ET DISPOSITIF DE TRAITEMENT DE DEBLAIS DE FORAGE  
[72] PEREZ CORDOVA, RAMON, MX  
[71] RACIONAL ENERGY & ENVIRONMENT COMPANY, US  
[85] 2004-08-23  
[86] 2003-02-26 (PCT/US2003/006033)  
[87] 2003-09-04 (WO2003/072903)  
[30] US (09/683,881) 2002-02-27

---

**[21] 2,477,103**  
[13] A1

[51] Int.Cl. 7A23L 1/09  
[25] EN  
[54] NUTRITIONALLY ENRICHED MAPLE SYRUP  
[54] SIROP D'ERABLE ENRICHIE NUTRITIONNELLEMENT  
[72] BERGERON, LUC, CA  
[72] ISHIGURO, TOSHIHIRO, JP  
[72] WATANABE, YOSHIKO, JP  
[71] MIC CO., LTD., JP  
[71] L.B. MAPLE TREAT INC., CA  
[85] 2004-08-23  
[86] 2003-02-21 (PCT/JP2003/001894)  
[87] 2003-08-28 (WO2003/070021)  
[30] JP (2002-48346) 2002-02-25

---

**[21] 2,477,104**  
[13] A1

[51] Int.Cl. 7A61B 5/15  
[25] EN  
[54] BLOOD ANALYZER AND PRICKING DEVICE FOR USE IN BLOOD ANALYSIS  
[54] ANALYSEUR DE SANG ET DISPOSITIF DE PIQURE UTILISABLES EN ANALYSE DU SANG  
[72] CAMPBELL, STEPHANIE JEAN, US  
[72] OSTERTAG, WOLFGANG, DE  
[72] KENNEDY, GWENN ELAINE, US  
[72] RUF, CHRISTOPHER JOHN, US  
[72] ROBBINS, AVI MELECH, US  
[72] LOHRENGEL, ARMIN, DE  
[72] STOEHR, HERBERT, DE  
[72] HEATH, JASON R., US  
[72] SOLIS, MITCHELL, US  
[72] LEVAUGHN, RICHARD W., US  
[71] PAUL HARTMANN AG, DE  
[85] 2004-08-23  
[86] 2003-02-20 (PCT/EP2003/001700)  
[87] 2003-08-28 (WO2003/070099)  
[30] DE (102 08 575.7) 2002-02-21  
[30] US (60/411,834) 2002-09-17  
[30] DE (102 45 721.2) 2002-09-24

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**[21] 2,477,106**  
[13] A1

[51] Int.Cl. 7A61F 13/02 7A61B 10/00  
7A61F 7/00 7A61F 15/00 7A61M 27/00  
[25] EN  
[54] DEVICE FOR TREATING A WOUND IN A SKIN OF A PATIENT  
[54] DISPOSITIF ET PROCEDE PERMETTANT DE TRAITER UNE PLAIE CUTANEE  
[72] KREIS, ROBERT WALTER, NL  
[72] ZONDAG, LOUIS JOHN, NL  
[72] DE ZOETEN, JUAN PEDRO, NL  
[71] TARSUS PARTICIPATIE MAATSCHAPPIJ, NL  
[85] 2004-08-23  
[86] 2002-12-20 (PCT/NL2002/000859)  
[87] 2003-08-28 (WO2003/070135)  
[30] NL (1020049) 2002-02-22

---

**[21] 2,477,109**  
[13] A1

[51] Int.Cl. 7A61K 9/00 7A61K 31/19  
7A61F 13/20 7A61L 15/44  
[25] EN  
[54] SYSTEM FOR TRANSGINAL DRUG DELIVERY  
[54] SYSTEME D'ADMINISTRATION DE MEDICAMENTS PAR VOIE TRANSGINALE  
[72] STERN, THEODOR, IL  
[72] BENITA, SIMON, IL  
[72] KLUGER, RAM, IL  
[71] HI-GIENIC INTRA-VAGINAL TECHNOLOGIES LTD., IL  
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM, IL  
[85] 2004-08-23  
[86] 2002-02-24 (PCT/IB2002/000528)  
[87] 2003-08-28 (WO2003/070216)

---

**[21] 2,477,110**  
[13] A1

[51] Int.Cl. 7A23L 1/217 7A23B 7/00  
[25] EN  
[54] REDUCED FAT CHIP AND MANUFACTURING PROCESS  
[54] FRITES MOINS GRASSES ET LEUR PROCEDE DE PRODUCTION  
[72] WILMOT, KENNETH, GB  
[71] MCCAIN FOODS (GB) LIMITED, GB  
[85] 2004-08-30  
[86] 2003-02-26 (PCT/GB2003/000821)  
[87] 2003-09-04 (WO2003/071881)  
[30] GB (0204732.2) 2002-02-28  
[30] GB (0206416.0) 2002-03-18

---

**[21] 2,477,114**  
[13] A1

[51] Int.Cl. 7B05B 15/12 7B05B 15/04  
[25] EN  
[54] VACUUM PAINTING HEAD AND RELATIVE PAINTING METHOD  
[54] TETE DE PEINTURE A VIDE ET PROCEDE DE PEINTURE APPARENTE  
[72] DELLE VEDOVE, GAETANO, IT  
[72] BELLUZ, VITTORIO, US  
[71] DELLE VEDOVE LEVIGATRICI SPA, IT  
[85] 2004-08-23  
[86] 2002-06-12 (PCT/IB2002/002151)  
[87] 2003-08-28 (WO2003/070384)  
[30] IT (UD02A000045) 2002-02-25

## Demandes PCT entrant en phase nationale

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[21] 2,477,115  
[13] A1

[51] Int.Cl. 7B60Q 1/26  
[25] EN  
[54] LIGHTING SYSTEM  
[54] SYSTEME D'ECLAIRAGE  
[72] GRIFFIN, JAMES WILLIAM, AU  
[71] PODIUM AUTOMOTIVE TECHNOLOGIES PTY. LIMITED, AU  
[85] 2004-08-23  
[86] 2003-02-25 (PCT/AU2003/000231)  
[87] 2003-08-28 (WO2003/070515)  
[30] AU (PS 0744) 2002-02-25

---

[21] 2,477,175  
[13] A1

[51] Int.Cl. 7C12N 15/09 7D21C 3/00  
7C12P 1/02 7C12N 9/42  
[25] EN  
[54] CELLULOSE DIGESTING ENZYME GENE AND UTILIZATION OF THE GENE  
[54] GENE D'ENZYME DE DIGESTION DE LA CELLULOSE ET UTILISATION DUDIT GENE  
[72] SAKAGUCHI, HISAKO, JP  
[72] SUGIURA, JUN, JP  
[72] KABUTO, MARI, JP  
[72] NAKAGAME, SEIJI, JP  
[72] TSUKAMOTO, AKIRA, JP  
[72] FURUJYO, ATSUSHI, JP  
[71] OJI PAPER CO., LTD., JP  
[85] 2004-08-23  
[86] 2003-02-25 (PCT/JP2003/002058)  
[87] 2003-08-28 (WO2003/070940)  
[30] JP (2002-48675) 2002-02-25

---

[21] 2,477,247  
[13] A1

[51] Int.Cl. 7H01S 5/0687 7H01S 5/024  
7G01N 21/39  
[25] EN  
[54] A WAVELENGTH STABILISED LASER SOURCE  
[54] SOURCE LASER A LONGUEUR D'ONDE STABLE  
[72] SUTTON, STEPHEN, GB  
[72] HEDGES, NIGEL KEITH, GB  
[72] STRZODA, RAINER, DE  
[71] SIEMENS PLC, GB  
[85] 2004-09-03  
[86] 2002-02-27 (PCT/GB2002/000870)  
[87] 2002-09-19 (WO2002/073757)  
[30] GB (0105651.4) 2001-03-08  
[30] GB (0124426.8) 2001-10-11

---

[21] 2,477,252  
[13] A1

[51] Int.Cl. 7A61H 23/00 7A61K 7/48  
[25] EN  
[54] COMPOSITION, APPARATUS AND METHOD FOR SKIN REJUVENATION  
[54] COMPOSITION, APPAREIL ET METHODE DE RAJEUNISSEMENT DE LA PEAU  
[72] RHOADES, DEAN, US  
[71] DERMANEW, INC., US  
[85] 2004-09-08  
[86] 2001-11-21 (PCT/US2001/043473)  
[87] 2002-09-19 (WO2002/072042)  
[30] US (09/802,425) 2001-03-09

---

[21] 2,477,260  
[13] A1

[51] Int.Cl. 7A61K 9/00 7A61K 38/00  
7A61K 9/12  
[25] EN  
[54] SITE SPECIFIC DELIVERY OF CO-ADMINISTERED DRUGS VIA INHALATION  
[54] ADMINISTRATION A SPECIFICITE DE SITE DE MEDICAMENTS PRIS SIMULTANEMENT PAR INHALATION  
[72] FLEMING, SCOTT, US  
[72] GUMASTE, ANAND V., US  
[71] MICRODOSE TECHNOLOGIES, INC., US  
[85] 2004-08-19  
[86] 2003-03-12 (PCT/US2003/007735)  
[87] 2003-09-25 (WO2003/077825)  
[30] US (60/363,585) 2002-03-12  
[30] US (60/417,071) 2002-10-09

---

[21] 2,477,281  
[13] A1

[51] Int.Cl. 7C07H 21/04 7A61K 48/00  
7C12P 19/34 7C12Q 1/68 7C12N 15/85  
7C12N 15/86  
[25] EN  
[54] METHOD OF USING MODIFIED OLIGONUCLEOTIDES FOR HEPATIC DELIVERY  
[54] PROCEDE D'UTILISATION D'OLIGONUCLEOTIDES MODIFIES POUR L'ADMINISTRATION HEPATIQUE  
[72] BENNETT, FRANK C., US  
[72] MANOHARAN, MUTHIAH, US  
[72] COOK, PHILLIP DAN, US  
[71] ISIS PHARMACEUTICALS, INC., US  
[85] 2004-08-23  
[86] 2003-02-21 (PCT/US2003/005066)  
[87] 2003-09-04 (WO2003/072711)  
[30] US (10/080,979) 2002-02-22

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[21] 2,477,295  
[13] A1

[51] Int.Cl. 7C07H 21/02 7C12N 5/00  
7C12N 15/00 7C12N 5/02 7C07H 21/04  
7C12N 15/63 7C12N 15/85  
[25] EN  
[54] TRANS-SPlicing MEDIATED IMAGING OF GENE EXPRESSION  
[54] IMAGERIE DE L'EXPRESSION GENIQUE MEDIEE PAR TRANS-EPISSAGE  
[72] MITCHELL, LLOYD G., US  
[72] MANSFIELD, GARY S., US  
[72] PUTTARAJU, MADAIAH, US  
[71] INTRONN, INC., US  
[85] 2004-08-24  
[86] 2003-02-25 (PCT/US2003/005615)  
[87] 2003-09-04 (WO2003/072739)  
[30] US (60/359,948) 2002-02-25

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[21] 2,477,325  
[13] A1

[51] Int.Cl. 7B23K 10/00  
[25] EN  
[54] DUAL MODE PLASMA ARC TORCH  
[54] CHALUMEAU A ARC A PLASMA FONCTIONNANT EN MODE DUEL  
[72] HEWETT, ROGER W., US  
[72] HORNER-RICHARDSON, KEVIN D., US  
[72] CHEN, SHIYU, US  
[72] JONES, JOSEPH P., US  
[72] ROGERS, FRED, US  
[71] THERMAL DYNAMICS CORPORATION, US  
[85] 2004-08-25  
[86] 2003-02-25 (PCT/US2003/005759)  
[87] 2003-09-04 (WO2003/072294)  
[30] US (10/083,029) 2002-02-26

---

[21] 2,477,329  
[13] A1

[51] Int.Cl. 7A61F 13/00  
[25] EN  
[54] CONTROLLED DELIVERY PATCH OF ACTIVE INGREDIENT  
[54] TIMBRE POUR ADMINISTRATION CONTROLEE D'UN INGREDIENT ACTIF  
[72] SHEFER, SAMUEL, US  
[72] SHEFER, ADI, US  
[71] SALVONA, L.L.C., US  
[85] 2004-08-25  
[86] 2003-03-03 (PCT/US2003/006400)  
[87] 2003-09-18 (WO2003/075812)  
[30] US (10/091,935) 2002-03-06

## PCT Applications Entering the National Phase

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[21] 2,477,331  
[13] A1

[51] Int.Cl. 7C10M 111/04 7C10M 101/02  
7C10M 143/02 7C10M 105/04 7C10M 107/  
04 7C10M 169/04 7C10M 143/06 7C10M  
107/08 7C10M 107/10  
[25] EN  
[54] LUBRICANT BLEND  
COMPOSITION  
[54] COMPOSITION LUBRIFIANTE  
MIXTE  
[72] LAWRENCE, KYLE DOUGLAS, US  
[72] SPISSELL, RICHARD T., US  
[72] WU, MARGARET MAY-SOM, US  
[72] STANAT, JON EDMOND  
RANDOLPH, US  
[71] EXXONMOBIL RESEARCH AND  
ENGINEERING COMPANY, US  
[85] 2004-08-25  
[86] 2003-03-04 (PCT/US2003/006558)  
[87] 2003-09-18 (WO2003/076555)  
[30] US (60/362,584) 2002-03-05  
[30] US (10/367,245) 2003-02-14

[21] 2,477,335  
[13] A1

[51] Int.Cl. 7F16L 7/02 7F16L 25/00  
[25] EN  
[54] WEDGETHREAD PIPE  
CONNECTION  
[54] RACCORD DE TUYAUTERIE A  
FILETAGE CONIQUE  
[72] WATTS, JOHN D., US  
[71] RAMOS, BEVERLY, WATTS, US  
[71] WATTS, JOHN D., US  
[85] 2004-08-25  
[86] 2003-03-03 (PCT/US2003/006443)  
[87] 2003-09-18 (WO2003/076837)  
[30] US (10/092,173) 2002-03-06  
[30] US (10/254,817) 2002-09-25

[21] 2,477,341  
[13] A1

[51] Int.Cl. 7A61G 7/012 7A61G 7/053  
[25] EN  
[54] LIFTING MECHANISM AND  
HEALTH CARE EQUIPMENT THAT  
INCORPORATES THE LIFTING  
MECHANISM  
[54] MECANISME DE LEVAGE ET  
EQUIPEMENT MEDICAL  
INCORPORANT LEDIT MECANISME  
DE LEVAGE  
[72] MCCRIMMON, BARRY EDWARD,  
AU  
[71] PROTEAN GLOBAL PTY LTD, AU  
[85] 2004-08-25  
[86] 2003-02-06 (PCT/AU2003/000119)  
[87] 2003-08-28 (WO2003/070145)  
[30] AU (PS 0746) 2002-02-25

[21] 2,477,344  
[13] A1

[51] Int.Cl. 7C07D 413/14 7C07D 417/14  
7A61K 31/422 7A61K 31/454  
[25] EN  
[54] 3-CYCLYL-5-(NITROGEN-  
CONTAINING 5-MEMBERED RING)  
METHYL-OXAZOLIDINONE  
DERIVATIVES AND THEIR USE AS  
ANTIBACTERIAL AGENTS  
[54] COMPOSES CHIMIQUES  
[72] GRAVESTOCK, MICHAEL BARRY,  
US  
[72] HALES, NEIL JAMES, US  
[72] RECK, FOLKERT, US  
[72] GIRARDOT, MARC MICHEL, US  
[72] ZHOU, FEI, US  
[72] FLEMING, PAUL ROBERT, US  
[72] CARCANAGUE, DANIEL ROBERT,  
US  
[71] ASTRAZENECA AB, SE  
[85] 2004-08-25  
[86] 2003-02-25 (PCT/GB2003/000785)  
[87] 2003-09-04 (WO2003/072575)  
[30] US (60/360,957) 2002-02-28

[21] 2,477,347  
[13] A1

[51] Int.Cl. 7A61K 31/341 7A61K 31/415  
7A61K 31/42 7A61K 31/444 7A61K 31/663  
[25] EN  
[54] PHARMACEUTICAL  
COMPOSITION COMPRISING A  
BISPHOSPHONATE AND A COX-2  
INHIBITOR FOR THE TREATMENT OF  
BONE DISEASES  
[54] COMPOSITION  
PHARMACEUTIQUE COMPRENANT  
UN BISPHOSPHONATE ET UN  
INHIBITEUR DE LA COX-2 POUR LE  
TRAITEMENT DES MALADIES  
OSSEUSES  
[72] SIMON, PHILIP LEONARD, US  
[72] HOROWITZ, ZEBULUN D., US  
[71] NOVARTIS AG, CH  
[85] 2004-08-25  
[86] 2003-02-28 (PCT/EP2003/002087)  
[87] 2003-09-04 (WO2003/072097)  
[30] GB (0204756.1) 2002-02-28

[21] 2,477,349  
[13] A1

[51] Int.Cl. 7A61M 5/14 7A61B 19/00  
7A61M 5/00  
[25] EN  
[54] DOSAGE VESSEL FOR USE WITH  
AN INDWELLING FEEDING TUBE  
[54] RECIPIENT DE DOSAGE POUR  
TUBE D'ALIMENTATION A DEMEURE  
[72] COOMBS, KARLA, R., US  
[71] COOMBS, KARLA, R., US  
[85] 2004-08-25  
[86] 2003-02-26 (PCT/US2003/005737)  
[87] 2003-09-04 (WO2003/072167)  
[30] US (10/086,071) 2002-02-27

[21] 2,477,350  
[13] A1

[51] Int.Cl. 7A61K 31/517 7A61P 35/00  
7C07D 239/94  
[25] EN  
[54] NOVEL CRYSTALLINE FORMS OF  
THE ANTI-CANCER COMPOUND  
ZD1839  
[54] FORMES CRISTALLINES DU  
COMPOSE ANTICANCEREUX ZD1839  
[72] GRAHAM, ANTHONY STEPHEN, GB  
[72] YMEN, BO INGVAR, SE  
[72] BOHLIN, MARTIN, SE  
[72] GILDAY, JOHN PETER, GB  
[71] ASTRAZENECA AB, SE  
[85] 2004-08-25  
[86] 2003-02-24 (PCT/GB2003/000794)  
[87] 2003-09-04 (WO2003/072108)  
[30] GB (0204392.5) 2002-02-26  
[30] GB (0212462.6) 2002-05-30

## Demandes PCT entrant en phase nationale

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**[21] 2,477,371**  
[13] A1

[51] Int.Cl. 7A61K 35/74 7C12N 1/02  
7C12N 1/20  
[25] EN  
[54] IMMUNOSTIMULATORY AGENT COMPRISING A BIOMASS OF METHANOTROPHIC BACTERIUM  
[54] METHODE  
[72] JORGENSEN, LARS, DK  
[72] JOHANNESSEN, ARILD, NO  
[72] KLEPPE, GUNNAR, NO  
[72] JENSEN, KAREN, MOLLER, DK  
[71] NORFERM DA, NO  
[85] 2004-08-25  
[86] 2002-05-31 (PCT/GB2002/002555)  
[87] 2003-09-04 (WO2003/072133)  
[30] GB (0204722.3) 2002-02-28

---

**[21] 2,477,373**  
[13] A1

[51] Int.Cl. 7A61M 5/30  
[25] EN  
[54] END EFFECTOR FOR NEEDLE-FREE INJECTION SYSTEM  
[54] EFFECTEUR TERMINAL POUR SYSTEME D'INJECTION SANS AIGUILLE  
[72] DAELLENBACH, KEITH K., US  
[71] BIOJECT MEDICAL TECHNOLOGIES INC., US  
[85] 2004-08-25  
[86] 2003-02-26 (PCT/US2003/006337)  
[87] 2003-09-04 (WO2003/072170)  
[30] US (10/085,564) 2002-02-26

---

**[21] 2,477,374**  
[13] A1

[51] Int.Cl. 7A61M 16/01  
[25] EN  
[54] FAIL-SAFE MODULE INTEGRAL WITH A SEDATION AND ANALGESIA SYSTEM AND METHOD  
[54] MODULE DE SECURITE INTEGRE A UN SYSTEME DE SEDATION ET D'ANALGESIE ET PROCEDE  
[72] HICKLE, RANDALL S., US  
[72] DEROUEN, JASON, US  
[71] SCOTT LABORATORIES, INC., US  
[85] 2004-08-25  
[86] 2003-02-25 (PCT/US2003/005400)  
[87] 2003-09-04 (WO2003/072184)  
[30] US (60/358,733) 2002-02-25

---

**[21] 2,477,375**  
[13] A1

[51] Int.Cl. 7A61B 5/0408  
[25] EN  
[54] TEMPERATURE CONTROL PADS WITH INTEGRAL ELECTRODES  
[54] COUSSINETS DE REGULATION THERMIQUE A ELECTRODES D'UNE SEULE PIECE  
[72] CARSON, GARY ALLEN, US  
[71] MEDIVANCE INCORPORATED, US  
[85] 2004-08-25  
[86] 2003-02-21 (PCT/US2003/005198)  
[87] 2003-09-04 (WO2003/072188)  
[30] US (10/087,389) 2002-02-27

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**[21] 2,477,377**  
[13] A1

[51] Int.Cl. 7E21B 19/00 7B66D 5/14  
7B66D 5/26  
[25] EN  
[54] DRAW WORKS  
[54] MECANISME DE LEVAGE  
[72] HEINRICH, ALBRECHT, DE  
[72] HEINRICH, PETER, DE  
[71] WIRTH MASCHINEN-UND BOHRGERAETE-FABRIK GMBH, DE  
[85] 2004-08-25  
[86] 2003-02-19 (PCT/EP2003/001665)  
[87] 2003-09-04 (WO2003/072904)  
[30] DE (102 08 370.3) 2002-02-27

---

**[21] 2,477,378**  
[13] A1

[51] Int.Cl. 7B01J 37/02 7B01J 23/40  
[25] EN  
[54] METHOD FOR PRODUCING SHELL CATALYSTS  
[54] PROCEDE DE PRODUCTION DE POTS CATALYTIQUES CUPULIFORMES  
[72] VANOPPEN, DOMINIC, BE  
[71] BASF AKTIENGESELLSCHAFT, DE  
[85] 2004-08-25  
[86] 2003-02-25 (PCT/EP2003/001892)  
[87] 2003-09-04 (WO2003/072248)  
[30] DE (102 08 113.1) 2002-02-26

---

**[21] 2,477,379**  
[13] A1

[51] Int.Cl. 7C07D 413/14 7A61P 31/04  
7A61K 31/422  
[25] EN  
[54] OXAZOLIDINONE DERIVATIVES, PROCESSES FOR THEIR PREPARATION, AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM  
[54] COMPOSES CHIMIQUES  
[72] GRAVESTOCK, MICHAEL BARRY, US  
[72] HALES, NEIL JAMES, US  
[72] RECK, FOLKERT, US  
[72] ZHOU, FEI, US  
[72] CARCANAGUE, DANIEL ROBERT, US  
[72] FLEMING, PAUL ROBERT, US  
[71] ASTRAZENECA AB, SE  
[85] 2004-08-25  
[86] 2003-02-25 (PCT/GB2003/000791)  
[87] 2003-09-04 (WO2003/072576)  
[30] US (60/360,688) 2002-02-28

---

**[21] 2,477,380**  
[13] A1

[51] Int.Cl. 7A61B 17/12  
[25] EN  
[54] EXPANDABLE BODY CAVITY LINER DEVICE  
[54] DISPOSITIF POUR FOND DE CAVITE CORPORELLE DILATABLE  
[72] EDER, JOSEPH C., US  
[72] BERENSTEIN, ALEJANDRO, US  
[71] SCIMED LIFE SYSTEMS, INC., US  
[85] 2004-08-25  
[86] 2003-03-27 (PCT/US2003/009324)  
[87] 2003-10-09 (WO2003/082128)  
[30] US (10/107,689) 2002-03-27

---

**[21] 2,477,381**  
[13] A1

[51] Int.Cl. 7G01G 19/40 7B65G 47/19  
7B67D 5/24  
[25] EN  
[54] DISTRIBUTION METHOD AND SYSTEM  
[54] PROCEDE ET SYSTEME DE DISTRIBUTION  
[72] SANDMANN, RAINER, AU  
[72] COCCHIS, UGO, AU  
[71] SANDMANN, RAINER, AU  
[71] COCCHIS, UGO, AU  
[85] 2004-08-25  
[86] 2003-02-19 (PCT/AU2003/000210)  
[87] 2003-09-04 (WO2003/073049)  
[30] AU (2002100138) 2002-02-26

## PCT Applications Entering the National Phase

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**[21] 2,477,382**  
[13] A1

[51] Int.Cl. 7F04D 25/06 7F04D 29/02  
7F04D 29/04 7F25B 1/053 7F04D 25/16  
[25] EN  
[54] **A CENTRIFUGAL COMPRESSOR**  
[54] **COMPRESSEUR CENTRIFUGE**  
[72] CONRY, RONALD DAVID, CA  
[71] TURBOCOR INC., CA  
[85] 2004-08-25  
[86] 2003-02-28 (PCT/CA2003/000285)  
[87] 2003-09-04 (WO2003/072946)  
[30] CA (2,373,905) 2002-02-28

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**[21] 2,477,393**  
[13] A1

[51] Int.Cl. 7A61K 31/192 7A61K 47/44  
7A61K 9/48  
[25] EN  
[54] **IBUPROFEN SOLUTION FOR HARD SHELL CAPSULES**  
[54] **SOLUTION D'IBUPROFENE POUR GELULES DURES A COQUE**  
[72] SCOTT, ROBERT ANTHONY, BE  
[72] GUILLARD, EMMANUELLE  
MIREILLE, FR  
[72] MADIT, NICOLAS, FR  
[71] WARNER-LAMBERT COMPANY LLC, US  
[85] 2004-08-24  
[86] 2003-02-28 (PCT/IB2003/000796)  
[87] 2003-09-18 (WO2003/075909)  
[30] EP (02290595.4) 2002-03-11

---

**[21] 2,477,436**  
[13] A1

[51] Int.Cl. 7G02C 7/02 7G02C 7/06  
[25] EN  
[54] **PROGRESSIVE LENS WITH REDUCED DISTORTION**  
[54] **VERRE PROGRESSIF A DISTORSION REDUITE**  
[72] FRESCO, BERNARD BOAZ, CA  
[71] OPTICLEAR INC., VG  
[85] 2004-08-31  
[86] 2003-01-31 (PCT/CA2003/000118)  
[87] 2003-08-07 (WO2003/065109)  
[30] US (10/059,141) 2002-01-31

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**[21] 2,477,443**  
[13] A1

[51] Int.Cl. 7C12Q 1/22 7C12M 1/12  
[25] EN  
[54] **STERILITY TESTING APPARATUS**  
[54] **APPAREIL PERMETTANT DE TESTER LA STERILITE**  
[72] HOUGHTON, BRONWEN, GB  
[72] CAPELING, HARRY, GB  
[71] HOUGHTON ASSOCIATES, GB  
[85] 2004-08-25  
[86] 2003-02-21 (PCT/GB2003/000750)  
[87] 2003-09-04 (WO2003/072807)  
[30] GB (0204832.0) 2002-02-28  
[30] GB (0225430.8) 2002-11-01

---

**[21] 2,477,482**  
[13] A1

[51] Int.Cl. 7B04C 3/06 7B04C 3/04  
[25] EN  
[54] **SEPARATING FINE SOLID PARTICULATES FROM A GAS STREAM**  
[54] **SEPARATION DE FINES MATIERES PARTICULAIRES SOLIDES D'UN FLUX DE GAZ**  
[72] HEDRICK, BRIAN W., US  
[72] SECHRIST, PAUL A., US  
[71] UOP LLC, US  
[85] 2004-08-31  
[86] 2002-01-24 (PCT/US2002/002232)  
[87] 2003-08-14 (WO2003/066225)

---

**[21] 2,477,605**  
[13] A1

[51] Int.Cl. 7C10G 45/08  
[25] EN  
[54] **NAPHTHA DESULFURIZATION WITH SELECTIVELY SUPPRESSED HYDROGENATION**  
[54] **DESULFURATION DU NAPHTA A HYDROGENATION SUPPRIMEE DE MANIERE SELECTIVE**  
[72] BRIGNAC, GARLAND BARRY, US  
[72] TOUVELLE, MICHELE S., US  
[72] SMILEY, RANDOLPH J., US  
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
[85] 2004-08-30  
[86] 2003-03-11 (PCT/US2003/007206)  
[87] 2003-09-25 (WO2003/078546)  
[30] US (60/364,271) 2002-03-13  
[30] US (10/375,813) 2003-02-27

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**[21] 2,477,617**  
[13] A1

[51] Int.Cl. 7C10G 35/085 7C10G 45/62  
7B01J 23/652  
[25] EN  
[54] **METHOD OF ISOMERIZING HYDROCARBON**  
[54] **PROCEDE D'ISOMERISATION D'HYDROCARBURES**  
[72] MATSUSHITA, KOICHI, JP  
[71] JAPAN ENERGY CORPORATION, JP  
[85] 2004-08-27  
[86] 2003-03-17 (PCT/JP2003/003182)  
[87] 2003-10-02 (WO2003/080768)  
[30] JP (2002-87443) 2002-03-27

---

**[21] 2,477,643**  
[13] A1

[51] Int.Cl. 7F21S 8/10  
[25] EN  
[54] **SINGLE LIGHT-EMITTING DIODE VEHICLE LAMP**  
[54] **LAMPE POUR VEHICULE AUTOMOBILE A DIODE ELECTROLUMINESCENTE SIMPLE**  
[72] ROLLER, PHILIP C., US  
[72] ROSS, CHRISTOPHER A., US  
[72] KOLSTEE, TODD H., US  
[71] TRUCK-LITE CO., INC., US  
[85] 2004-08-27  
[86] 2003-03-03 (PCT/IB2003/000790)  
[87] 2003-09-12 (WO2003/074931)  
[30] US (60/361,269) 2002-03-02  
[30] US (60/450,564) 2003-02-28

---

**[21] 2,477,645**  
[13] A1

[51] Int.Cl. 7B65D 1/02 7B65D 1/42  
[25] EN  
[54] **PLASTIC CONTAINER HAVING STRUCTURAL RIBS**  
[54] **CONTENANT DE PLASTIQUE POSSEDEANT DES NERVURES STRUCTURELLES**  
[72] YOURIST, SHELDON, US  
[71] GRAHAM PACKAGING COMPANY L.P., US  
[85] 2004-08-27  
[86] 2003-02-26 (PCT/US2003/005699)  
[87] 2003-09-18 (WO2003/076278)  
[30] US (29/156,726) 2002-03-07  
[30] US (10/294,695) 2002-11-15

## Demandes PCT entrant en phase nationale

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**[21] 2,477,648**  
[13] A1

[51] Int.Cl. 7F21V 35/00 7H05B 37/00  
7G05F 1/00 7F21V 21/00 7F21S 13/14  
[25] EN  
[54] ELECTRICALLY ILLUMINATED FLAME SIMULATOR  
[54] SIMULATEUR DE FLAMME A ECLAIRAGE ELECTRIQUE  
[72] GUTSTEIN, ROBERT A., US  
[72] LIU, MONITA, US  
[71] GUTSTEIN, ROBERT A., US  
[71] LIU, MONITA, US  
[85] 2004-08-27  
[86] 2003-02-26 (PCT/US2003/005919)  
[87] 2003-09-04 (WO2003/073466)  
[30] US (10/084,272) 2002-02-27

---

**[21] 2,477,652**  
[13] A1

[51] Int.Cl. 7H04L 12/66  
[25] EN  
[54] METHOD AND PROCESS FOR SIGNALING, COMMUNICATION AND ADMINISTRATION OF NETWORKED OBJECTS  
[54] PROCEDE ET PROCESSUS DE SIGNALISATION, DE COMMUNICATION ET D'ADMINISTRATION D'OBJETS RESEAUTES  
[72] D'ANGELO, LEO, US  
[72] NARASIMHAN, ANAND, US  
[71] J2 GLOBAL COMMUNICATIONS, INC., US  
[85] 2004-08-27  
[86] 2003-02-27 (PCT/US2003/006212)  
[87] 2003-09-04 (WO2003/073626)  
[30] US (60/360,282) 2002-02-27  
[30] US (10/374,629) 2003-02-26

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**[21] 2,477,654**  
[13] A1

[51] Int.Cl. 7G06T 11/00 7H04N 1/64  
[25] EN  
[54] METHOD AND SYSTEM FOR IMAGE COMPRESSION WITH IMPROVED COLOUR PALETTE SELECTION  
[54] PROCEDE ET SYSTEME DE COMPRESSION D'IMAGES AVEC SELECTION DE PALETTE DE COULEURS AMELIOREE  
[72] ROBB, JAMIE, GB  
[72] ANTONIS, JAN, GB  
[71] CCC NETWORK SYSTEMS GROUP LIMITED, GB  
[85] 2004-08-27  
[86] 2002-02-27 (PCT/GB2002/000800)  
[87] 2002-09-06 (WO2002/069270)  
[30] GB (0104939.4) 2001-02-28

---

**[21] 2,477,656**  
[13] A1

[51] Int.Cl. 7A61B 6/03  
[25] EN  
[54] AUDIBLE FEEDBACK FROM POSITIONAL GUIDANCE SYSTEMS  
[54] SIGNAL DE RETOUR AUDIBLE PROVENANT DE SYSTEMES DE GUIDAGE DE POSITIONNEMENT  
[72] GILDENBERG, PHILIP L., US  
[71] HOUSTON STEREOTACTIC CONCEPTS, INC., US  
[85] 2004-08-27  
[86] 2003-02-28 (PCT/US2003/006257)  
[87] 2003-09-12 (WO2003/073915)  
[30] US (10/085,212) 2002-02-28

---

**[21] 2,477,657**  
[13] A1

[51] Int.Cl. 7A61K 31/275  
[25] EN  
[54] CATHEPSIN CYSTEINE PROTEASE INHIBITORS  
[54] INHIBITEURS DE CATHEPSINE CYSTEINE PROTEASE  
[72] BLACK, CAMERON, CA  
[72] LEGER, SERGE, CA  
[72] LI, CHUN SING, CA  
[72] GREEN, MICHAEL J., US  
[72] LAU, CHEUK, CA  
[72] THERIEN, MICHEL, CA  
[72] TRUONG, VOUY-LINH, CA  
[72] GAUTHIER, JACQUES YVES, CA  
[72] BAYLY, CHRISTOPHER I., CA  
[72] MELLON, CHRISTOPHE, CA  
[72] MCKAY, DAN, CA  
[72] HIRSCHBEIN, BERNARD, US  
[72] JANC, JAMES W., US  
[72] PALMER, JAMES T., US  
[72] BASKARAN, CHITRA, US  
[71] MERCK FROSST CANADA & CO., CA  
[71] AXYS PHARMACEUTICALS, US  
[85] 2004-08-27  
[86] 2003-02-28 (PCT/US2003/006147)  
[87] 2003-09-18 (WO2003/075836)  
[30] US (60/361,818) 2002-03-05  
[30] US (60/408,704) 2002-09-06

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**[21] 2,477,658**  
[13] A1

[51] Int.Cl. 7B29C 49/58  
[25] EN  
[54] MOUNTING FOR THE BLOWING MANDREL ON A BLOW-MOULDING DEVICE  
[54] FIXATION POUR LES MANDRINS DE SOUFFLAGE D'UNE INSTALLATION DE MOULAGE PAR SOUFFLAGE  
[72] KUENZ, JOHANN, AT  
[71] SOPLAR S.A., CH  
[85] 2004-08-30  
[86] 2003-02-14 (PCT/CH2003/000106)  
[87] 2003-09-12 (WO2003/074256)  
[30] CH (371/02) 2002-03-04

## PCT Applications Entering the National Phase

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[21] 2,477,661  
[13] A1

[51] Int.Cl. 7G06F 17/30  
[25] EN  
[54] HYBRID AND DYNAMIC REPRESENTATION OF DATA STRUCTURES  
[54] REPRESENTATION HYBRIDE ET DYNAMIQUE DE STRUCTURES DE DONNEES  
[72] STUMPF, DIRK, DE  
[71] SAP AKTIENGESELLSCHAFT, DE  
[85] 2004-08-26  
[86] 2003-02-28 (PCT/IB2003/001258)  
[87] 2003-09-12 (WO2003/075179)  
[30] US (60/361,144) 2002-03-01  
[30] US (10/137,211) 2002-04-30

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[21] 2,477,665  
[13] A1

[51] Int.Cl. 7B05D 3/06 7H05B 3/00 7B05D 3/02 7F27B 9/06  
[25] FR  
[54] PROCEDE DE PHOTOPOLYMERISATION D'UN REVETEMENT POLYMERISABLE, INSTALLATION POUR LA MISE EN OEUVRE DE CE PROCEDE ET PRODUIT PORTANT UN REVETEMENT OBTENU  
[54] METHOD FOR PHOTOPOLYMERIZATION OF A POLYMERISABLE COATING, INSTALLATION THEREFOR AND PRODUCT COMPRISING THE COATING OBTAINED  
[72] GAUTHIER, JEAN-JACQUES, FR  
[72] HANSZ, BERNARD, FR  
[72] BENHAMOU, FRANCIS, FR  
[71] SOLARONICS TECHNOLOGIES, FR  
[85] 2004-08-30  
[86] 2003-03-06 (PCT/FR2003/000733)  
[87] 2003-09-12 (WO2003/074199)  
[30] FR (02/02921) 2002-03-06

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[21] 2,477,666  
[13] A1

[51] Int.Cl. 7B65D 75/58 7B65D 83/08  
[25] EN  
[54] WET TISSUES DISPENSER  
[54] DISTRIBUTEUR DE SERVIETTES HUMIDES  
[72] MCCLOSKEY, EDWARD, IE  
[72] HOOD, OLIVER, IE  
[71] EDMAK LIMITED, IE  
[85] 2004-08-26  
[86] 2003-03-10 (PCT/IE2003/000039)  
[87] 2003-09-18 (WO2003/076298)  
[30] IE (S2002/0183) 2002-03-08  
[30] IE (S2002/0725) 2002-09-06

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[21] 2,477,667  
[13] A1

[51] Int.Cl. 7C07D 495/04 7C07D 519/00 7A61P 3/00 7A61K 31/4709  
[25] EN  
[54] HETEROCYCLIC AMIDE DERIVATIVES AS INHIBITORS OF GLYCOGEN PHOSPHORYLASE  
[54] DERIVES D'AMIDES HETEROCYCLIQUES COMME INHIBITEURS DE LA GLYCOGENE PHOSPHORYLASE  
[72] BIRCH, ALAN MARTIN, GB  
[72] MORLEY, ANDREW DAVID, GB  
[72] WHITTAMORE, PAUL ROBERT OWEN, GB  
[72] STOCKER, ANDREW, GB  
[71] ASTRAZENECA AB, SE  
[85] 2004-08-30  
[86] 2003-03-04 (PCT/GB2003/000877)  
[87] 2003-09-12 (WO2003/074532)  
[30] GB (0205165.4) 2002-03-06

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[21] 2,477,668  
[13] A1

[51] Int.Cl. 7H04L 29/06  
[25] EN  
[54] CACHING STREAMING DATA  
[54] MISE EN MEMOIRE CACHE DE donnees de transmission en continu  
[72] SUN, XIAOMING, US  
[72] MAK, KWOK KEN, US  
[72] KEY, KENNETH M., US  
[71] CISCO TECHNOLOGY, INC., US  
[85] 2004-08-30  
[86] 2003-04-28 (PCT/US2003/013130)  
[87] 2003-11-13 (WO2003/094479)  
[30] US (10/135,603) 2002-04-30

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[21] 2,477,672  
[13] A1

[51] Int.Cl. 7B65D 83/04  
[25] EN  
[54] PHARMACEUTICAL TREATMENT BLISTER CARD  
[54] PLAQUETTE ALVEOLAIRE POUR TRAITEMENT PHARMACEUTIQUE  
[72] CHANG, CHING YI, US  
[71] MERCK & CO., INC., US  
[85] 2004-08-27  
[86] 2003-03-03 (PCT/US2003/006313)  
[87] 2003-09-18 (WO2003/076303)  
[30] US (60/362,495) 2002-03-07

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[21] 2,477,683  
[13] A1

[51] Int.Cl. 7C09K 7/00  
[25] EN  
[54] METHOD AND SYSTEM FOR CONTROLLING WELL CIRCULATION RATE  
[54] PROCEDE ET SYSTEME DE REGULATION DU DEBIT DE CIRCULATION D'UN PUITS  
[72] KOEDERITZ, WILLIAM L., US  
[71] VARCO I/P, INC., US  
[85] 2004-08-27  
[86] 2003-03-04 (PCT/US2003/006737)  
[87] 2003-09-18 (WO2003/076764)  
[30] US (10/113,631) 2002-03-07

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[21] 2,477,684  
[13] A1

[51] Int.Cl. 7D06M 15/39  
[25] EN  
[54] TREATING AGENT FOR RUBBER-REINFORCING GLASS FIBER, RUBBER-REINFORCING CORD MADE WITH THE SAME, AND RUBBER PRODUCT  
[54] AGENT DE TRAITEMENT POUR FIBRE DE VERRE RENFORCANT LE CAOUTCHOUC, CABLE DE RENFORT DU CAOUTCHOUC ET PRODUIT EN CAOUTCHOUC  
[72] KAWAGUCHI, SATORU, JP  
[71] NIPPON SHEET GLASS CO., LTD., JP  
[85] 2004-08-26  
[86] 2003-01-10 (PCT/JP2003/000170)  
[87] 2003-09-04 (WO2003/072872)  
[30] JP (2002-051062) 2002-02-27

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[21] 2,477,689  
[13] A1

[51] Int.Cl. 7G06F 17/27  
[25] EN  
[54] A DYNAMIC DICTIONARY AND TERM REPOSITORY SYSTEM  
[54] DICTIONNAIRE DYNAMIQUE ET SYSTEME DE DEPOT DE TERMES  
[72] HEIL, JOHN ANDREW, US  
[72] HASKELL, ROBERT EMMONS, US  
[72] CASSIDY, JAMES, US  
[71] SIEMENS MEDICAL SOLUTIONS HEALTH SERVICES CORPORATION, US  
[85] 2004-08-27  
[86] 2003-03-05 (PCT/US2003/006766)  
[87] 2003-09-18 (WO2003/077151)  
[30] US (60/361,754) 2002-03-05

## Demandes PCT entrant en phase nationale

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[21] 2,477,690  
[13] A1

[51] Int.Cl. 7G06F 17/60 7G06F 19/00  
7G06F 17/30  
[25] EN  
[54] SYSTEM AND METHOD FOR PROVIDING A GENERIC HEALTH CARE DATA REPOSITORY  
[54] SYSTEME ET PROCEDE D'OBTENTION D'UN DEPOT DE DONNEES DE SOINS DE SANTE GENERIQUES  
[72] CASSIDY, JAMES, US  
[72] HASKELL, ROBERT EMMONS, US  
[72] HEIL, JOHN ANDREW, US  
[71] SIEMENS MEDICAL SOLUTIONS HEALTH SERVICES CORPORATION, US  
[85] 2004-08-27  
[86] 2003-03-05 (PCT/US2003/006767)  
[87] 2003-09-18 (WO2003/077183)  
[30] US (60/362,022) 2002-03-06

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[21] 2,477,691  
[13] A1

[51] Int.Cl. 7B01D 46/08  
[25] EN  
[54] FILTER BAG WITH SUPPORT CAGE  
[54] SAC FILTRANT AVEC CAGE DE SUPPORT  
[72] GERAKIOS, MICHAEL, AU  
[72] BOWDEN, PAUL, AU  
[72] MOESER, RAY, AU  
[71] ALBANY INTERNATIONAL CORP., US  
[85] 2004-08-27  
[86] 2003-03-13 (PCT/US2003/007753)  
[87] 2003-10-09 (WO2003/082438)  
[30] US (10/104,043) 2002-03-22

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[21] 2,477,692  
[13] A1

[51] Int.Cl. 7C07D 295/18 7A61P 29/00  
7C07C 261/04 7C07D 217/06 7A61P 19/10  
7A61K 31/275 7A61K 31/535  
[25] EN  
[54] CYANAMIDES USEFUL AS REVERSIBLE INHIBITORS OF CYSTEINE PROTEASES  
[54] CYANAMIDES UTILES EN TANT QU'INHIBITEURS REVERSIBLES DES CYSTEINE PROTEASES  
[72] SPERO, DENICE M., US  
[72] LIU, WEIMIN, US  
[72] GILMORE, THOMAS A., US  
[72] NEMOTO, PETER ALLEN, US  
[72] HICKEY, EUGENE RICHARD, US  
[71] BOEHRINGER INGELHEIM PHARMACEUTICALS, INC., US  
[85] 2004-08-27  
[86] 2003-04-01 (PCT/US2003/009852)  
[87] 2003-10-23 (WO2003/086325)  
[30] US (60/370,368) 2002-04-05

---

[21] 2,477,696  
[13] A1

[51] Int.Cl. 7G06F 3/147  
[25] EN  
[54] SYSTEM AND METHOD FOR UPDATING ELECTRONIC LABEL DISPLAYS  
[54] SYSTEME ET PROCEDE D'ACTUALISATION D'AFFICHAGES A ETIQUETTE ELECTRONIQUE  
[72] NILSSON, BJOERN, SE  
[72] ANDERSSON, LARS, SE  
[72] ROSANDER, PAER, SE  
[71] PRICER AB, SE  
[85] 2004-08-27  
[86] 2003-02-27 (PCT/SE2003/000336)  
[87] 2003-09-04 (WO2003/073261)  
[30] US (60/359,985) 2002-02-28

---

[21] 2,477,697  
[13] A1

[51] Int.Cl. 7G11B 27/034 7G03B 31/00  
7G10L 21/06 7G11B 27/10 7G10L 15/26  
7G11B 27/34  
[25] EN  
[54] METHODS AND APPARATUS FOR USE IN SOUND REPLACEMENT WITH AUTOMATIC SYNCHRONIZATION TO IMAGES  
[54] PROCEDES ET APPAREILS UTILISES DANS LE REMPLACEMENT DU SON SYNCHRONISE AUTOMATIQUEMENT AUX IMAGES  
[72] ELLWOOD, WILLIAM JOHN, GB  
[72] BLOOM, PHILLIP JEFFREY, GB  
[71] SYNCNRO ARTS LIMITED, GB  
[85] 2004-08-26  
[86] 2003-10-30 (PCT/GB2003/004670)  
[87] 2004-05-13 (WO2004/040576)  
[30] US (60/423,055) 2002-11-01  
[30] US (60/424,427) 2002-11-07

---

[21] 2,477,694  
[13] A1

[51] Int.Cl. 7E04C 5/16  
[25] EN  
[54] METHOD AND DEVICE FOR CONNECTING REINFORCING STEEL  
[54] PROCEDE ET DISPOSITIF DE RACCORDEMENT D'ACIER D'ARMATURE  
[72] VAN DE RIET, HENDRIK, GB  
[71] BARFIX BERMUDA LTD., GB  
[85] 2004-08-26  
[86] 2003-02-27 (PCT/NL2003/000150)  
[87] 2003-09-04 (WO2003/072889)  
[30] NL (1020069) 2002-02-27

---

[21] 2,477,699  
[13] A1

[51] Int.Cl. 7B29B 17/00  
[25] EN  
[54] GRANULATOR  
[54] MOULIN  
[72] RITCHIE, JACK, US  
[72] HART, THOMAS, US  
[71] PHOENIX TECHNOLOGIES, L.P., US  
[85] 2004-08-26  
[86] 2003-02-28 (PCT/US2003/006141)  
[87] 2003-09-18 (WO2003/076155)  
[30] US (10/092,059) 2002-03-05

## PCT Applications Entering the National Phase

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[21] 2,477,700  
[13] A1

[51] Int.Cl. 7C10G 11/02 7C10G 11/05  
7C07C 4/06  
[25] EN  
[54] CATALYTIC CRACKING PROCESS  
[54] PROCEDE DE CRAQUAGE CATALYTIQUE  
[72] CORMA, AVELINO, ES  
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
[85] 2004-08-26  
[86] 2003-03-04 (PCT/US2003/006557)  
[87] 2003-09-18 (WO2003/076550)  
[30] US (60/362,100) 2002-03-05  
[30] US (10/367,294) 2003-02-14

---

[21] 2,477,701  
[13] A1

[51] Int.Cl. 7A61K 9/20 7A61K 9/22 7A61K 9/24 7A61K 9/28 7A61K 9/44  
[25] EN  
[54] CONTROLLED RELEASE DOSAGE FORMS  
[54] FORMES POSOLOGIQUES A LIBERATION CONTROLEE  
[72] FLASHNER-BARAK, MOSHE, IL  
[72] LERNER, E. ITZHAK, IL  
[72] ROSENBERGER, VERED, IL  
[72] AQUA, OFER, IL  
[71] TEVA PHARMACEUTICAL INDUSTRIES LTD., IL  
[85] 2004-08-26  
[86] 2003-03-03 (PCT/US2003/006591)  
[87] 2003-09-18 (WO2003/075893)  
[30] US (60/361,821) 2002-03-04  
[30] US (10/291,619) 2002-11-12

---

[21] 2,477,702  
[13] A1

[51] Int.Cl. 7B01D 57/00  
[25] EN  
[54] MIXED MODE MICROFLUIDIC SYSTEMS ABSTRACT OF THE DISCLOSURE  
[54] SYSTEMES MICROFLUIDIQUES EN MODE MIXTE  
[72] SPAID, MICHAEL, US  
[72] PARCE, J. WALLACE, US  
[72] CHIEN, RING-LING, US  
[71] CALIPER LIFE SCIENCES, INC., US  
[85] 2004-08-26  
[86] 2003-03-04 (PCT/US2003/006688)  
[87] 2003-09-18 (WO2003/076052)  
[30] US (60/361,957) 2002-03-05  
[30] US (60/381,306) 2002-05-17

---

[21] 2,477,703  
[13] A1

[51] Int.Cl. 7H02G 15/18  
[25] EN  
[54] ENVIRONMENTALLY SEALED WRAP-AROUND CABLE SLEEVES HAVING A LONGITUDINAL SEALANT CHAMBER AND METHODS OF MAKING SAME  
[54] GAINES DE CABLE ENVELOPPANTES ETANCHEIFIEES COMPRENANT UNE CHAMBRE LONGITUDINALE DESTINEE A UN MATERIAU D'ETANCHEITE, ET PROCEDES DE FABRICATION CORRESPONDANTS  
[72] YAWORSKI, HARRY GEORGE, US  
[72] KAMEL, SHERIF I., US  
[72] BUKOVNIK, RUDOLF ROBERT, US  
[72] BLUE, KENTON ARCHIBALD, US  
[71] TYCO ELECTRONICS CORPORATION, US  
[85] 2004-08-26  
[86] 2003-03-05 (PCT/US2003/006726)  
[87] 2003-09-18 (WO2003/077394)  
[30] US (10/092,200) 2002-03-06

---

[21] 2,477,704  
[13] A1

[51] Int.Cl. 7G06F 17/30  
[25] EN  
[54] SYSTEM AND METHOD FOR CLASSIFICATION OF DOCUMENTS  
[54] SYSTEME ET PROCEDE DE CLASSIFICATION DE DOCUMENTS  
[72] TOROSSIAN, VASKEN, US  
[72] MOON, CHARLES S., US  
[71] INFOGLIDE SOFTWARE CORPORATION, US  
[85] 2004-08-26  
[86] 2003-03-06 (PCT/US2003/006812)  
[87] 2003-09-18 (WO2003/077162)  
[30] US (60/319,138) 2002-03-06  
[30] US (10/248,962) 2003-03-05

---

[21] 2,477,705  
[13] A1

[51] Int.Cl. 7B65D 1/02 7B65D 23/10 7B65D 1/42  
[25] EN  
[54] PLASTIC CONTAINER HAVING DEPRESSED GRIP SECTIONS  
[54] CONTENANT EN PLASTIQUE PRESENTANT DES SECTIONS DE PRISE ENFONCEES  
[72] YOURIST, SHELDON, US  
[71] GRAHAM PACKAGING COMPANY, L.P., US  
[85] 2004-08-26  
[86] 2003-03-07 (PCT/US2003/007003)  
[87] 2003-09-18 (WO2003/076279)  
[30] US (29/156,761) 2002-03-07  
[30] US (10/294,696) 2002-11-15

---

[21] 2,477,706  
[13] A1

[51] Int.Cl. 7A61C 8/00  
[25] EN  
[54] METHOD AND APPARATUS FOR REPLICATING THE POSITION OF INTRA-OSSEOUS IMPLANTS AND ABUTMENTS RELATIVE TO ANALOGS THEREOF  
[54] PROCEDE ET APPAREIL PERMETTANT LA REPLICATION DE LA POSITION D'IMPLANTS INTRA-OSSEUX ET DE BUTEES PAR RAPPORT A DES ANALOGUES DE CEUX-CI  
[72] MORGAN, VINCENT J., US  
[71] DEBBIE, LLC, US  
[85] 2004-08-26  
[86] 2003-03-05 (PCT/US2003/007096)  
[87] 2003-09-18 (WO2003/075783)  
[30] US (10/093,991) 2002-03-07

---

[21] 2,477,708  
[13] A1

[51] Int.Cl. 7H01Q 1/24  
[25] EN  
[54] MODULAR PRINTED ANTENNA  
[54] ANTENNE MODULAIRE EN CIRCUIT IMPRIME  
[72] USKALI, ROBERT G., US  
[72] GIOIA, DANIEL J., US  
[72] KINDINGER, PETER A., US  
[71] GENERAL INSTRUMENT CORPORATION, US  
[85] 2004-08-26  
[86] 2003-03-07 (PCT/US2003/007298)  
[87] 2003-09-18 (WO2003/077357)  
[30] US (10/093,877) 2002-03-08

## Demandes PCT entrant en phase nationale

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**[21] 2,477,709**

[13] A1

[51] Int.Cl. 7C04B 28/14 7C04B 24/26  
 [25] EN  
**HIGH MOLECULAR WEIGHT ADDITIVES FOR CALCINED GYPSUM AND CEMENTITIOUS COMPOSITIONS**  
 [54] ADDITIFS A POIDS MOLECULAIRE ELEVE POUR COMPOSITIONS A BASE DE GYPSE CALCINE ET DE CIMENT  
 [72] LETTKEMAN, DENNIS MARK, US  
 [72] BEDWELL, WILLIAM K., US  
 [72] WHITESIDE, ELDON L., US  
 [72] KALIGIAN, RAYMOND A., II, US  
 [71] UNITED STATES GYPSUM COMPANY, US  
 [85] 2004-08-26  
 [86] 2003-03-27 (PCT/US2003/009397)  
 [87] 2003-10-09 (WO2003/082765)  
 [30] US (60/367,920) 2002-03-27

---

**[21] 2,477,710**

[13] A1

[51] Int.Cl. 7F17C 1/00 7B29D 22/00  
 7F17C 1/02 7F17C 1/06  
 [25] EN  
**IMPROVED CONTAINERS AND METHODS FOR CONTAINING PRESSURIZED FLUIDS USING REINFORCED FIBRES AND METHODS FOR MAKING SUCH CONTAINERS**  
 [54] RECIPIENTS SERVANT A CONTENIR DES FLUIDES SOUS PRESSION ET PROCESSES SERVANT A LA FABRICATION DE CES RECIPIENTS, FAISANT INTERVENIR DES FIBRES RENFORCEES  
 [72] BOWEN, RONALD R., US  
 [72] MINTA, MOSES, US  
 [71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
 [85] 2004-08-26  
 [86] 2003-03-26 (PCT/US2003/009456)  
 [87] 2003-10-09 (WO2003/083353)  
 [30] US (60/367,824) 2002-03-27  
 [30] US (10/396,895) 2003-03-25

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**[21] 2,477,711**

[13] A1

[51] Int.Cl. 7B05C 1/08 7B05D 1/28  
 [25] EN  
**POLYMER IMPREGNATION PROCESS**  
**PROCESSUS D'IMPREGNATION DE POLYMERES**  
 [72] SHIELDS, CHARLES MARTIN, US  
 [72] EMERY, CLAIR JOHN, US  
 [71] TEMBEC USA LLC, US  
 [85] 2004-08-26  
 [86] 2003-03-26 (PCT/US2003/009575)  
 [87] 2003-10-16 (WO2003/084678)  
 [30] US (10/113,740) 2002-04-01

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**[21] 2,477,713**

[13] A1

[51] Int.Cl. 7C01B 39/38  
 [25] EN  
**PREPARATION OF MFI-TYPE CRYSTALLINE ZEOLITIC ALUMINOSILICATE**  
**PREPARATION D'UNE ZEOLITE ALUMINOSILICATE CRISTALLINE DE TYPE MFI**  
 [72] LUDVIG, MARIA M., US  
 [71] AKZO NOBEL N.V., NL  
 [85] 2004-08-30  
 [86] 2003-02-26 (PCT/EP2003/001991)  
 [87] 2003-09-12 (WO2003/074423)  
 [30] US (60/360,661) 2002-03-01

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**[21] 2,477,714**

[13] A1

[51] Int.Cl. 7C07C 217/44 7A61P 11/06  
 7A61P 11/08 7A61K 31/137  
 [25] EN  
**NEW CINNAMIC ACID SALTS, PROCESSES FOR THE PREPARATION THEREOF AND USE THEREOF AS MEDICAMENT**  
**NOUVEAUX SELS D'ACIDE CINNAMIQUE, PROCEDES DE PRODUCTION ET D'UTILISATION COMME MEDICAMENTS**  
 [72] LINZ, GUENTER, DE  
 [72] SOYKA, RAINER, DE  
 [71] BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG, DE  
 [85] 2004-08-30  
 [86] 2003-02-19 (PCT/EP2003/001644)  
 [87] 2003-09-12 (WO2003/074469)  
 [30] DE (102 09 243.5) 2002-03-04  
 [30] DE (102 16 124.0) 2002-04-12

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**[21] 2,477,715**

[13] A1

[51] Int.Cl. 7C07D 207/27 7A61P 1/00  
 7A61P 7/00 7A61P 9/00 7A61P 11/00  
 7A61P 25/00 7A61P 29/00 7A61P 35/00  
 7A61P 43/00 7A61P 19/02 7A61P 27/02  
 7A61P 37/02 7C07D 405/06 7C07D 409/06  
 7C07D 413/06 7C07D 417/06 7A61P 11/06  
 7A61P 15/06 7A61P 9/08 7A61P 11/08  
 7A61P 19/08 7A61P 9/10 7A61P 15/10  
 7A61P 19/10 7C07D 405/12 7C07D 409/12  
 7C07D 417/12 7A61P 9/12 7A61P 13/12  
 7A61P 1/16 7C07D 263/24 7A61K 31/4015  
 7A61K 31/4025 7A61K 31/421 7A61K 31/422 7A61K 31/427  
 [25] EN  
**8-AZAPROSTAGLANDIN DERIVATIVE COMPOUND AND AGENT COMPRISING THE COMPOUND AS ACTIVE INGREDIENT**  
**COMPOSES DERIVES DE 8 AZAPROSTAGLANDINE ET MEDICAMENTS CONTENANT CEUX-CI COMME PRINCIPE ACTIF**  
 [72] SHIROYA, TSUTOMU, JP  
 [72] MARUYAMA, TORU, JP  
 [72] KOBAYASHI, KAORU, JP  
 [72] KAMBE, TOHRU, JP  
 [72] OGAWA, MIKIO, JP  
 [72] TANI, KOUSUKE, JP  
 [71] ONO PHARMACEUTICAL CO., LTD., JP  
 [85] 2004-08-30  
 [86] 2003-03-04 (PCT/JP2003/002478)  
 [87] 2003-09-12 (WO2003/074483)  
 [30] JP (2002-58487) 2002-03-05  
 [30] JP (2002-216567) 2002-07-25  
 [30] JP (2003-13447) 2003-01-22

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**[21] 2,477,716**

[13] A1

[51] Int.Cl. 7C03B 3/00  
 [25] EN  
**SELECTIVE GLASS BATCHING METHODS FOR IMPROVING MELTING EFFICIENCY AND REDUCING GROSS SEGREGATION OF GLASS BATCH COMPONENTS**  
**PROCEDES DE DOSAGE SELECTIF DE VERRE POUR AMELIORER LE RENDEMENT DE FUSION ET REDUIRE LA SEGREGATION GLOBALE DE CONSTITUANTS DU MELANGE VITRIFIABLE**  
 [72] CARTY, WILLIAM MICHAEL, US  
 [71] CARTY, WILLIAM MICHAEL, US  
 [85] 2004-08-27  
 [86] 2003-02-27 (PCT/US2003/005962)  
 [87] 2003-09-12 (WO2003/074434)  
 [30] US (60/360,453) 2002-02-28

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## PCT Applications Entering the National Phase

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**[21] 2,477,717**  
[13] A1

[51] Int.Cl. 7C07D 209/42 7C07D 401/12  
7C07D 403/12 7C07D 409/12 7C07D 413/  
12 7A61K 31/40 7A61K 31/404  
[25] EN  
[54] INDOLOAMID DERIVATIVES  
WHICH POSSESS GLYCOGEN  
PHOSPHORYLASE INHIBITORY  
ACTIVITY  
[54] DERIVES D'INDOLAMIDE  
PRESENTANT UNE ACTIVITE  
INHIBITRICE DE LA GLYCOGENE  
PHOSPHORYLASE  
[72] SIMPSON, IAIN, GB  
[72] WHITTAMORE, PAUL ROBERT  
OWEN, GB  
[72] BENNETT, STUART NORMAN LILE,  
GB  
[71] ASTRAZENECA AB, SE  
[85] 2004-08-30  
[86] 2003-03-04 (PCT/GB2003/000883)  
[87] 2003-09-12 (WO2003/074484)  
[30] GB (0205176.1) 2002-03-06

**[21] 2,477,719**  
[13] A1

[51] Int.Cl. 7C07D 233/54 7C09K 5/00  
7C07C 305/04 7C07D 213/20 7C10M 105/  
72  
[25] EN  
[54] HALOGEN-FREE IONIC LIQUIDS  
[54] LIQUIDES IONIQUES EXEMPTS  
D'HALOGENES  
[72] BOESMANN, ANDREAS, DE  
[72] WASSERSCHEID, PETER, DE  
[72] VAN HAL, ROY, NL  
[71] SOLVENT INNOVATION GMBH, DE  
[85] 2004-08-30  
[86] 2003-02-28 (PCT/EP2003/002127)  
[87] 2003-09-12 (WO2003/074494)  
[30] DE (102 08 822.5) 2002-03-01

**[21] 2,477,720**  
[13] A1

[51] Int.Cl. 7C07D 401/06 7C07D 221/00  
7C07D 277/00 7A61P 27/02 7C07D 513/04  
7A61K 31/473  
[25] EN  
[54] QUINOLINE DERIVATIVES  
[54] DERIVES DE QUINOLINE  
[72] GULL, PETER, CH  
[72] POMBO VILLAR, ESTEBAN, CH  
[71] NOVARTIS AG, CH  
[85] 2004-08-30  
[86] 2003-03-06 (PCT/EP2003/002321)  
[87] 2003-09-12 (WO2003/074511)  
[30] EP (02005117.3) 2002-03-07  
[30] EP (02005115.7) 2002-03-07

**[21] 2,477,721**  
[13] A1

[51] Int.Cl. 7C07D 495/04 7A61P 19/02  
7C07D 487/04 7C07D 491/04 7A61K 31/  
519  
[25] EN  
[54] BICYCLIC PYRIDINE AND  
PYRIMIDINE P38 KINASE INHIBITORS  
[54] PYRIDINE ET PYRIMIDINE  
BICYCLIQUES, INHIBITRICES DE LA  
P38 KINASE  
[72] CHEN, JIAN JEFFREY, US  
[72] STAHL, CHRISTOPH MARTIN, DE  
[72] DEWDNEY, NOLAN JAMES, US  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2004-08-30  
[86] 2003-02-28 (PCT/EP2003/002090)  
[87] 2003-09-12 (WO2003/074530)  
[30] US (60/362,373) 2002-03-07  
[30] US (60/430,508) 2002-12-03

**[21] 2,477,724**  
[13] A1

[51] Int.Cl. 7A61G 7/018  
[25] EN  
[54] HOSPITAL BED CONTROL  
APPARATUS  
[54] APPAREIL DE COMMANDE D'UN  
LIT D'HOPITAL  
[72] DIXON, STEVEN A., US  
[72] WELLING, JEFFREY R., US  
[72] SKINNER, ANDREW F., US  
[72] STOLPMANN, JAMES R., US  
[71] HILL-ROM SERVICES, INC., US  
[85] 2004-08-27  
[86] 2003-03-18 (PCT/US2003/008189)  
[87] 2003-10-02 (WO2003/079953)  
[30] US (60/365,295) 2002-03-18  
[30] US (60/408,698) 2002-09-06  
[30] US (60/436,289) 2002-12-23

**[21] 2,477,725**  
[13] A1

[51] Int.Cl. 7A61M 29/00  
[25] EN  
[54] INTRAVASCULAR FLOW  
RESTRICTOR  
[54] DISPOSITIF DE RESTRICTION  
D'ÉCOULEMENT INTRAVASCULAIRE  
[72] AMPLATZ, KURT, US  
[71] AGA MEDICAL CORPORATION, US  
[85] 2004-08-27  
[86] 2002-12-05 (PCT/US2002/038943)  
[87] 2003-09-12 (WO2003/074119)  
[30] US (10/087,570) 2002-03-01

**[21] 2,477,728**  
[13] A1

[51] Int.Cl. 7C08F 4/00 7C07C 239/20  
7C07D 265/32 7C07D 265/34  
[25] EN  
[54] OPEN-CHAIN ALKOXYAMINES  
AND THEIR CORRESPONDING  
NITROXIDES FOR CONTROLLED  
LOW TEMPERATURE RADICAL  
POLYMERIZATION  
[54] ALKOXYAMINES A CHAINE  
OUVERTE ET LEURS NITROXYDES  
CORRESPONDANTS PERMETTANT  
LA POLYMERISATION RADICALE  
DIRIGEE A BASE TEMPERATURE  
[72] KRAMER, ANDREAS, CH  
[72] FINK, JOCHEN, DE  
[72] NESVADBA, PETER, CH  
[72] HINTERMANN, TOBIAS, CH  
[71] CIBA SPECIALTY CHEMICALS  
HOLDING, INC., CH  
[85] 2004-08-30  
[86] 2003-02-25 (PCT/EP2003/001895)  
[87] 2003-09-12 (WO2003/074572)  
[30] EP (02405168.2) 2002-03-05

**[21] 2,477,730**  
[13] A1

[51] Int.Cl. 7C08F 4/34 7C07C 409/34  
[25] EN  
[54] POLYMERIZATION PROCESS  
INVOLVING DIACYL PEROXIDES  
[54] PROCEDE DE POLYMERISATION  
METTANT EN OEUVRE DES  
PEROXYDES DE DIACYLE  
[72] TAMMER, MARINUS CATHARINUS,  
NL  
[72] OVERKAMP, JOHANNES  
WILLIBRORDUS ANTONIUS, NL  
[72] DE JONG, JOHANNES JACOBUS  
THEODORUS, NL  
[71] AKZO NOBEL N.V., NL  
[85] 2004-08-30  
[86] 2003-02-20 (PCT/EP2003/001746)  
[87] 2003-09-12 (WO2003/074573)  
[30] EP (02075882.7) 2002-03-01

## Demandes PCT entrant en phase nationale

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**[21] 2,477,731**  
[13] A1

[51] Int.Cl. 7F28D 9/00 7F28F 3/00 7B01J  
19/00  
[25] EN  
[54] METHOD AND APPARATUS FOR MINIMIZING ADVERSE EFFECTS OF THERMAL EXPANSION IN A HEAT EXCHANGE REACTOR  
[54] PROCEDE ET APPAREIL DESTINES A MINIMISER LES EFFETS NOCIFS DE L'EXPANSION THERMIQUE DANS UN REACTEUR A ECHANGE DE CHALEUR  
[72] STREEKS, MICHAEL SEAN, US  
[72] WAIDE, STEPHEN, US  
[72] LOMAX, FRANKLIN D. JR., US  
[71] H2GEN INNOVATIONS INC., US  
[85] 2004-08-30  
[86] 2003-03-05 (PCT/US2003/005571)  
[87] 2003-09-25 (WO2003/078044)  
[30] US (10/097,745) 2002-03-15

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**[21] 2,477,732**  
[13] A1

[51] Int.Cl. 7C07D 513/04 7A61P 25/00  
7A61P 43/00 7A61P 25/04 7A61P 25/06  
7A61P 25/08 7A61P 9/10 7A61P 25/16  
7A61P 25/28 7A61K 31/429 7A61K 31/  
5377  
[25] EN  
[54] AMINOMETHYL-SUBSTITUTED THIAZOLOBENZIMIDAZOLE DERIVATIVE  
[54] DERIVE DE THIAZOLOBENZIMIDAZOLE SUBSTITUE PAR AMINOMETHYLE  
[72] OKADA, MASAMICHI, JP  
[72] WATANABE, TOSHIHIRO, JP  
[72] HAYASHIBE, SATOSHI, JP  
[72] FUJIYASU, JIRO, JP  
[72] TOYA, TAKASHI, JP  
[72] ITAHANA, HIROTUNE, JP  
[71] YAMANOUCHI PHARMACEUTICAL CO. LTD., JP  
[85] 2004-08-27  
[86] 2003-03-19 (PCT/JP2003/003348)  
[87] 2003-09-25 (WO2003/078441)  
[30] JP (2002-077431) 2002-03-20

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**[21] 2,477,733**  
[13] A1

[51] Int.Cl. 7G06F 17/30  
[25] EN  
[54] EFFICIENTLY STORING INDENTED THREADS IN THREADED APPLICATION  
[54] FILS DE DISCUSSION COUPES EN ZIGZAG ASSURANT UNE MEMORISATION EFFICACE DANS UNE APPLICATION A FIL DE DISCUSSION  
[72] FRIEDEN, KURT, US  
[72] SRIKHANTA, PRASANNA, US  
[71] PLUMTREE SOFTWARE, INC., US  
[85] 2004-08-30  
[86] 2003-02-28 (PCT/US2003/006694)  
[87] 2003-09-04 (WO2003/073263)  
[30] US (10/085,780) 2002-02-28

---

**[21] 2,477,734**  
[13] A1

[51] Int.Cl. 7A61K 31/315  
[25] EN  
[54] SURAMIN AND DERIVATIVES THEREOF AS TOPICAL MICROBICIDE AND CONTRACEPTIVE  
[54] LA SURAMINE ET SES DERIVES, UTILISES COMME MICROBICIDE ET CONTRACEPTIF  
[72] DONCEL, GUSTAVO F., US  
[71] EASTERN VIRGINIA MEDICAL SCHOOL, US  
[85] 2004-08-27  
[86] 2003-03-26 (PCT/US2003/009127)  
[87] 2003-10-09 (WO2003/082193)  
[30] US (60/367,273) 2002-03-26

---

**[21] 2,477,735**  
[13] A1

[51] Int.Cl. 7G06F 17/60  
[25] EN  
[54] METHOD OF ADVERTISING BY DISTRIBUTING TARGETED PROMOTIONAL MATERIALS INSIDE PACKAGES OF BREAD  
[54] PROCEDE DE PUBLICITE AU MOYEN DE LA DISTRIBUTION DE MATERIAUX PROMOTIONNELS CIBLES DANS DES EMBALLAGES DE PAIN  
[72] DHARSSI, FATEHALI T., CA  
[71] DSD COMMUNICATIONS, INC., US  
[85] 2004-08-27  
[86] 2002-03-01 (PCT/US2002/006182)  
[87] 2003-09-12 (WO2003/075247)

---

**[21] 2,477,740**  
[13] A1

[51] Int.Cl. 7C09D 201/00 7C08J 7/04  
[25] EN  
[54] FLEXIBLE COATINGS FOR ELASTOMER SUBSTRATES  
[54] REVETEMENTS FLEXIBLES POUR SUBSTRATS ELASTOMERES  
[72] KRAKOWSKI, FRANK J., US  
[72] TROUGHTON, ERNEST B., JR., US  
[72] HALLADAY, JAMES R., US  
[71] LORD CORPORATION, US  
[85] 2004-08-30  
[86] 2003-03-08 (PCT/US2003/007258)  
[87] 2003-09-18 (WO2003/076537)  
[30] US (10/094,203) 2002-03-08  
[30] US (10/265,576) 2002-10-07

---

**[21] 2,477,752**  
[13] A1

[51] Int.Cl. 7A61K 7/00  
[25] EN  
[54] COSMETIC USE OF PHYTOSPHINGOSINE AS SLIMMING AGENT AND COSMETIC COMPOSITIONS COMPRISING PHYTOSPHINGOSINE  
[54] UTILISATION COSMETIQUE DE LA PHYTOSPHINGOSINE COMME AGENT AMINCISSANT ET COMPOSITIONS COSMETIQUES CONTENANT DE LA PHYTOSPHINGOSINE  
[72] PELLICIER, FRANCOISE, FR  
[72] FRANCHI, JOCELYNE, FR  
[71] LVMH RECHERCHE, FR  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/FR2003/000656)  
[87] 2003-09-12 (WO2003/074011)  
[30] FR (02/02675) 2002-03-01

## PCT Applications Entering the National Phase

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[21] 2,477,756  
[13] A1

[51] Int.Cl. 7A61L 27/12 7A61L 27/54  
[25] FR  
[54] COMPOSE PHOSPHOCALCIQUE MODIFIE, COMPOSITION INJECTABLE LE CONTENANT  
[54] MODIFIED PHOSPHOCALCIC COMPOUND, INJECTABLE COMPOSITION CONTAINING SAME  
[72] JANVIER, PASCAL, FR  
[72] GUICHEUX, JEROME, FR  
[72] DACULSI, GUY, FR  
[72] BOULER, JEAN-MICHEL, FR  
[72] BUJOLI, BRUNO, FR  
[72] JOSSE, SOLEN, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR  
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR  
[71] UNIVERSITE DE NANTES, FR  
[85] 2004-08-31  
[86] 2003-02-18 (PCT/FR2003/000527)  
[87] 2003-09-12 (WO2003/074098)  
[30] FR (02/02707) 2002-03-04

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[21] 2,477,764  
[13] A1

[51] Int.Cl. 7C07C 43/23 7A61P 29/00  
7A61K 31/085 7A61P 27/14 7C07D 213/30  
7C07C 255/54 7C07C 233/65 7C07D 307/79  
[25] EN  
[54] GLUCOCORTICOID MIMETICS, METHODS OF MAKING THEM, PHARMACEUTICAL COMPOSITIONS, AND USES THEREOF  
[54] MIMETIQUES DU GLUCOCORTICOIDE, PROCEDES DE FABRICATION DE CES MIMETIQUES, COMPOSITIONS PHARMACEUTIQUES ET LEURS UTILISATIONS  
[72] RAZAVI, HOSSEIN, US  
[72] ZINDELL, RENEE, US  
[72] HARCKEN, CHRISTIAN HANKE JUSTUS JOACHIM, US  
[72] THOMSON, DAVID, US  
[72] BEKKALI, YOUNES, US  
[72] PROUDFOOT, JOHN ROBERT, US  
[72] KIRRANE, THOMAS M., US  
[72] KUZMIC, DANIEL, US  
[72] CARDOZO, MARIO G., US  
[72] TAKAHASHI, HIDENORI, US  
[72] WANG, JI, US  
[71] BOEHRINGER INGELHEIM PHARMACEUTICALS, INC., US  
[85] 2004-08-30  
[86] 2003-03-21 (PCT/US2003/008589)  
[87] 2003-10-09 (WO2003/082787)  
[30] US (60/367,801) 2002-03-26

---

[21] 2,477,769  
[13] A1

[51] Int.Cl. 7A61K 31/436 7A61K 47/14  
7A61K 31/4353 7A61K 47/44  
[25] EN  
[54] OPHTHALMIC COMPOSITION COMPRISING ASCOMYCIN  
[54] COMPOSITION OPHTALMIQUE A BASE D'ASCOMYCINE  
[72] BIZEC, JEAN-CLAUDE, FR  
[72] BABIOLE SAUNIER, MAGGY, FR  
[72] WONG, MICHELLE PIK-HAN, US  
[72] YEN, SHAU-FONG, US  
[71] NOVARTIS AG, CH  
[85] 2004-08-30  
[86] 2003-03-03 (PCT/EP2003/002156)  
[87] 2003-09-12 (WO2003/074054)  
[30] US (60/361,515) 2002-03-04  
[30] US (60/409,275) 2002-09-09

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[21] 2,477,774  
[13] A1

[51] Int.Cl. 7C07D 403/04 7A61P 29/00  
7A61P 37/00 7C07D 401/14 7C07D 403/14  
7A61K 31/404 7A61K 31/4709 7A61K 31/4725  
[25] EN  
[54] INDOLYLMALEIMIDE DERIVATIVES  
[54] DERIVES D'INDOLYLMALEIMIDE  
[72] VON MATT, PETER, CH  
[72] EVENOU, JEAN-PIERRE, FR  
[72] WAGNER, JUERGEN, CH  
[72] ZENKE, GERHARD, DE  
[71] NOVARTIS AG, CH  
[85] 2004-08-30  
[86] 2003-04-02 (PCT/EP2003/003470)  
[87] 2003-10-09 (WO2003/082859)  
[30] GB (0207729.5) 2002-04-03  
[30] GB (0303323.0) 2003-02-13

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[21] 2,477,775  
[13] A1

[51] Int.Cl. 7F41H 11/16  
[25] EN  
[54] ON-SITE LAND MINE REMOVAL SYSTEM  
[54] SYSTEME DE SUPPRESSION DE MINES TERRESTRES SUR SITE  
[72] MANDERS, STEPHEN, US  
[71] BRISANT COMPANIES, US  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/US2003/006174)  
[87] 2003-09-12 (WO2003/074961)  
[30] US (60/361,506) 2002-03-01

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[21] 2,477,777  
[13] A1

[51] Int.Cl. 7C08F 230/08 7C09D 143/04  
[25] EN  
[54] PREPARATION AND USE OF CROSSLINKABLE ACRYLOSILANE POLYMERS CONTAINING VINYL SILANE MONOMERS  
[54] PREPARATION ET UTILISATION DE POLYMERES D'ACRYLOSILANE CONTENANT DES MONOMERES DE VINYLE SILANE  
[72] CHUNG, DING YU, US  
[72] HAZAN, ISIDOR, US  
[72] PAQUET, DONALD A., JR., US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2004-08-30  
[86] 2003-03-11 (PCT/US2003/007355)  
[87] 2003-09-25 (WO2003/078486)  
[30] US (10/095,951) 2002-03-11

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[21] 2,477,778  
[13] A1

[51] Int.Cl. 7C08K 5/00 7B32B 17/10  
7C08K 5/10 7C08L 29/14 7C08J 5/18  
7C08F 8/28  
[25] EN  
[54] LOW-COLOR STIFF PVB LAMINATES  
[54] STRATIFIES PVB RIGIDES PEU COLORES  
[72] WONG, BERT C., US  
[72] RYMER, DONALD L., US  
[72] READ, NOLAN K., III, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2004-08-30  
[86] 2003-03-11 (PCT/US2003/007352)  
[87] 2003-09-25 (WO2003/078521)  
[30] US (60/363,936) 2002-03-12

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## Demandes PCT entrant en phase nationale

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[21] 2,477,779  
[13] A1

[51] Int.Cl. 7G03F 7/115 7B41C 1/00  
7B41C 1/055  
[25] EN  
[54] PHOTOSENSITIVE ELEMENT FOR USE AS FLEXOGRAPHIC PRINTING PLATE  
[54] ELEMENT PHOTOSENSIBLE SERVANT DE CLICHE D'IMPRESSION FLEXOGRAPHIQUE  
[72] OSOWSKI, RUDOLF LEONHARD, DE  
[72] BODE, UDO DIETRICH, DE  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2004-08-30  
[86] 2003-03-14 (PCT/US2003/008058)  
[87] 2003-09-25 (WO2003/079114)  
[30] US (60/364,956) 2002-03-14

[21] 2,477,782  
[13] A1

[51] Int.Cl. 7B01D 15/08  
[25] EN  
[54] POLAR SILANES AND THEIR USE ON SILICA SUPPORTS  
[54] SILANES POLAIRES ET LEUR UTILISATION SUR DES SUPPORTS DE SILICE  
[72] BORDUNOV, ANDREI V., US  
[72] LIU, XIAODONG, US  
[71] DIONEX CORPORATION, US  
[85] 2004-08-31  
[86] 2003-03-05 (PCT/US2003/006857)  
[87] 2003-09-18 (WO2003/076040)  
[30] US (10/092,024) 2002-03-05

[21] 2,477,783  
[13] A1

[51] Int.Cl. 7G06F 9/45  
[25] EN  
[54] ITERATIVE SOFTWARE DEVELOPMENT ENVIRONMENT WITH PRIORITIZED BUILD RULES  
[54] ENVIRONNEMENT DE MISE AU POINT DE LOGICIELS ITERATIFS AVEC REGLES DE CONSTRUCTION A PRIORITES  
[72] VASILIK, KENNETH ERIC, US  
[72] BAU, DAVID III, US  
[72] CHAVEZ, RODERICK A., US  
[71] BEA SYSTEMS, INC., US  
[85] 2004-09-02  
[86] 2003-02-12 (PCT/US2003/004460)  
[87] 2003-09-04 (WO2003/073274)  
[30] US (10/082,795) 2002-02-22

[21] 2,477,784  
[13] A1

[51] Int.Cl. 7B08B 9/00 7A61M 5/00  
[25] EN  
[54] METHOD AND DEVICE FOR CLEANING MULTIPLE INJECTOR NEEDLES  
[54] PROCEDE ET DISPOSITIF DE NETTOYAGE DE PLUSIEURS AIGUILLES D'INJECTION  
[72] MCLAUGHLIN, THOMAS, US  
[72] CUNDITH, CURTIS A., US  
[72] WHITMAN, TIMOTHY A., US  
[71] EXCEL CORPORATION, US  
[85] 2004-08-31  
[86] 2003-02-18 (PCT/US2003/004991)  
[87] 2003-09-18 (WO2003/076088)  
[30] US (10/094,410) 2002-03-08

[21] 2,477,785  
[13] A1

[51] Int.Cl. 7A61K 35/78 7A61P 29/00  
7A61P 37/02  
[25] EN  
[54] ISOLATION, PURIFICATION AND STRUCTURAL IDENTIFICATION OF A BIOACTIVE COMPONENT OF A WATER SOLUBLE EXTRACT OF A BOTANICAL SPECIES FOR ENHANCING IMMUNE, ANTI-INFLAMMATORY, ANTI-TUMOR AND DNA REPAIR PROCESSES OF WARM BLOODED ANIMALS  
[54] ISOLEMENT, PURIFICATION ET IDENTIFICATION STRUCTURALE D'UN CONSTITUANT BIO-ACTIF D'UN EXTRAIT SOLUBLE DANS L'EAU D'UNE ESPECE BOTANIQUE POUR RENFORCER LES PROCESSUS IMMUNS, ANTI-INFLAMMATOIRES, ANTI-TUMORAUX ET REPARATEURS D'ADN D'ANIMAUX A SANG CHAUD  
[72] PERO, RONALD W., US  
[71] PERO, RONALD W., US  
[85] 2004-08-30  
[86] 2003-03-07 (PCT/IB2003/000824)  
[87] 2003-09-12 (WO2003/074062)  
[30] US (10/093,794) 2002-03-07

[21] 2,477,786  
[13] A1

[51] Int.Cl. 7B29C 33/60  
[25] EN  
[54] MOLD-RELEASE AGENT WHICH COMPRISES HYDROPHOBIC, NANOSCALE PARTICLES, AND USE OF THESE MOLD-RELEASE AGENTS  
[54] AGENTS DE DEMOULAGE CONTENANT DES PARTICULES NANOSCALEAIRES HYDROPHOBES ET UTILISATION DE CES AGENTS DE DEMOULAGE  
[72] OLES, MARKUS, DE  
[72] NUN, EDWIN, DE  
[71] CREAVENT GESELLSCHAFT FUR TECHNOLOGIE UND INNOVATION MBH, DE  
[85] 2004-08-31  
[86] 2003-02-03 (PCT/EP2003/001025)  
[87] 2003-09-18 (WO2003/076157)  
[30] DE (102 10 671.1) 2002-03-12

[21] 2,477,787  
[13] A1

[51] Int.Cl. 7A61K 31/585 7A61P 21/00  
7A61P 27/00 7A61P 9/02 7A61P 9/04  
7A61P 21/04 7A61P 11/06 7A61P 25/08  
7A61P 25/16 7A61P 25/28  
[25] EN  
[54] THERAPEUTIC METHODS AND USES OF SAPOGENINS AND THEIR DERIVATIVES  
[54] METHODES THERAPEUTIQUES ET UTILISATIONS DES SAPOGENINES ET DE LEURS DERIVES  
[72] HU, YAER, CN  
[72] XIA, ZONGQIN, CN  
[72] REES, DARYL, GB  
[72] GUNNING, PHIL, GB  
[72] ORSI, ANTONIA, GB  
[71] PHYTOPHARM PLC, GB  
[85] 2004-08-30  
[86] 2003-03-27 (PCT/GB2003/001380)  
[87] 2003-10-09 (WO2003/082893)  
[30] AR (P020101170) 2002-03-27  
[30] US (60/368,178) 2002-03-28  
[30] GB (PCT/GB02/01578) 2002-03-28

## PCT Applications Entering the National Phase

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**[21] 2,477,788**  
[13] A1

[51] Int.Cl. 7B32B 27/32 7B65D 65/40  
[25] EN  
[54] LAMINATION FOR SPECIALTY MEAT PACKAGING  
[54] STRATIFICATION POUR EMBALLAGES SPECIAUX DE VIANDE  
[72] MOULTON, JEFFREY D., US  
[72] TING YUAN-PING, ROBERT S., US  
[72] PORTER, SIMON J., US  
[71] HONEYWELL INTERNATIONAL, INC., US  
[85] 2004-08-31  
[86] 2003-03-05 (PCT/US2003/006823)  
[87] 2003-09-18 (WO2003/076187)  
[30] US (10/091,152) 2002-03-05

**[21] 2,477,789**  
[13] A1

[51] Int.Cl. 7C07C 6/04  
[25] EN  
[54] PROCESS FOR PRODUCING PROPYLENE AND HEXENE FROM C4 OLEFIN STREAMS  
[54] PROCEDES POUR PRODUIRE DU PROPYLENE ET DE L'HEXENE A PARTIR DE FLUX D'OLEFINE C4  
[72] JONES, QUINCY J., US  
[72] GREENE, MARVIN I., US  
[72] GARTSIDE, ROBERT J., US  
[71] ABB LUMMUS GLOBAL INC., US  
[85] 2004-08-31  
[86] 2003-03-07 (PCT/US2003/006968)  
[87] 2003-09-18 (WO2003/076371)  
[30] US (10/093,322) 2002-03-07

**[21] 2,477,790**  
[13] A1

[51] Int.Cl. 7G06F 9/45  
[25] EN  
[54] METHODS FOR CUSTOMIZING SOFTWARE ABSTRACTIONS  
[54] PROCEDE D'ADAPTATION D'ABSTRACTIONS LOGICIELLES  
[72] CHAVEZ, RODERICK A., US  
[72] BAU, DAVID III, US  
[72] MARVIN, KYLE W., US  
[71] BEA SYSTEMS, INC., US  
[85] 2004-09-02  
[86] 2003-02-14 (PCT/US2003/004723)  
[87] 2003-09-04 (WO2003/073275)  
[30] US (60/359,409) 2002-02-22  
[30] US (10/233,118) 2002-08-30

**[21] 2,477,791**  
[13] A1

[51] Int.Cl. 7G21G 4/08 7A61J 1/00 7G21F 5/015  
[25] EN  
[54] RADIOISOTOPE GENERATOR  
[54] GENERATEUR RADIO-ISOTOPE  
[72] WEISNER, PETER STEWART, GB  
[72] FORREST, TERENCE ROBERT FREDERICK, GB  
[71] AMERSHAM PLC, GB  
[85] 2004-08-30  
[86] 2002-12-11 (PCT/GB2002/005613)  
[87] 2003-10-23 (WO2003/088270)  
[30] GB (0208354.1) 2002-04-11

**[21] 2,477,798**  
[13] A1

[51] Int.Cl. 7G01F 1/84  
[25] EN  
[54] CORIOLIS MASS FLOW METER FOR MEASURING CONCENTRATION  
[54] DEBITMETRE MASSIQUE DE CORIOLIS DE MESURE DE CONCENTRATION  
[72] MATT, CHRISTIAN, CH  
[71] ENDRESS + HAUSER FLOWTEC AG, CH  
[85] 2004-08-31  
[86] 2003-02-26 (PCT/EP2003/001957)  
[87] 2003-09-18 (WO2003/076879)  
[30] DE (102 10 061.6) 2002-03-08

**[21] 2,477,792**  
[13] A1

[51] Int.Cl. 7B01L 3/00 7C12Q 1/68  
[25] EN  
[54] A DEVICE FOR EFFECTING HEAT TRANSFER WITH A SOLUTION HELD IN A THROUGH-HOLE WELL OF A HOLDING TRAY  
[54] DISPOSITIF POUR EFFECTUER LE TRANSFERT THERMIQUE AVEC UNE SOLUTION CONTENUE DANS UNE CUPULE A TROUS TRAVERSANTS D'UN PLATEAU DE RECEPTION  
[72] LAFFERTY, WILLIAM MICHAEL, US  
[71] DIVERSA CORPORATION, US  
[85] 2004-09-08  
[86] 2003-02-21 (PCT/US2003/005539)  
[87] 2003-09-04 (WO2003/072257)  
[30] US (10/084,026) 2002-02-25

**[21] 2,477,799**  
[13] A1

[51] Int.Cl. 7G01F 1/84 7G01N 9/00 7G01F 1/74  
[25] EN  
[54] TRANSDUCER AND METHOD FOR MEASURING A FLUID FLOWING IN A PIPE  
[54] TRANSDUCTEUR ET METHODE POUR MESURER LE DEBIT D'UN FLUIDE DANS UN tuyau  
[72] DRAHM, WOLFGANG, DE  
[72] RIEDER, ALFRED, DE  
[71] ENDRESS + HAUSER FLOWTEC AG, CH  
[85] 2004-08-31  
[86] 2003-03-12 (PCT/EP2003/002535)  
[87] 2003-09-18 (WO2003/076880)  
[30] EP (02005868.1) 2002-03-14

**[21] 2,477,796**  
[13] A1

[51] Int.Cl. 7C08L 95/00 7C08K 3/00 7C08K 5/00  
[25] EN  
[54] METHOD FOR CROSSLINKING ASPHALT COMPOSITIONS AND THE PRODUCT RESULTING THEREFROM  
[54] PROCEDE DE RETICULATION DE COMPOSITIONS D'ASPHALTE ET PRODUIT OBTENU PAR CE PROCEDE  
[72] RACHED, MOISES CISNEROS, US  
[72] MAZZONE, EDWARD, US  
[72] CAVALIERE, MARIA GRAZIA, IT  
[71] POLIMERI EUROPA S.P.A., IT  
[85] 2004-08-31  
[86] 2003-02-11 (PCT/EP2003/001394)  
[87] 2003-09-18 (WO2003/076517)  
[30] US (10/092,629) 2002-03-08

**[21] 2,477,801**  
[13] A1

[51] Int.Cl. 7G02B 6/36 7G02B 6/38  
[25] EN  
[54] OPTICAL FIBER FERRULE  
[54] FERRULE DE FIBRE OPTIQUE  
[72] TREZZA, JOHN, US  
[72] KANG, KEITH, US  
[71] XANOPTIX, INC., US  
[85] 2004-08-31  
[86] 2003-03-03 (PCT/US2003/006322)  
[87] 2003-09-18 (WO2003/076996)  
[30] US (10/090,880) 2002-03-04

## Demandes PCT entrant en phase nationale

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[21] 2,477,802  
[13] A1

[51] Int.Cl. 7B65B 59/00 7B65B 65/00  
[25] EN  
[54] PACKAGING MACHINE  
[54] MACHINE D'EMBALLAGE  
[72] NAGEL, DIETER, DE  
[71] IWK VERPACKUNGSTECHNIK GMBH, DE  
[85] 2004-08-27  
[86] 2004-01-13 (PCT/EP2004/000152)  
[87] 2004-07-29 (WO2004/063017)  
[30] DE (103 01 186.2) 2003-01-15

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[21] 2,477,803  
[13] A1

[51] Int.Cl. 7B60J 5/04  
[25] EN  
[54] DOOR MODULE FOR MOTOR VEHICLES COMPRISING A WINDOW REGULATOR WITH LEVER  
[54] MODULE DE PORTIERE POUR AUTOMOBILES EQUIPE D'UN LEVE-VITRE A LEVIER  
[72] GONZALES SAIZ, JOSE IGNACIO, ES  
[72] MARTINEZ MORAL, FRANCISCO JAVIER, ES  
[71] GRUPO ANTOLIN-INGENIERIA, S.A., ES  
[85] 2004-08-27  
[86] 2002-06-14 (PCT/ES2002/000299)  
[87] 2003-09-18 (WO2003/077402)  
[30] ES (P 0200567) 2002-03-11

---

[21] 2,477,804  
[13] A1

[51] Int.Cl. 7E01C 5/06 7B28B 1/16 7E04C 1/40  
[25] EN  
[54] CONCRETE STONE  
[54] BLOC DE CIMENT  
[72] VAN CAUWENBERGH, LUC ANA PHILOMENA, BE  
[71] VAN CAUWENBERGH, LUC ANA PHILOMENA, BE  
[85] 2004-08-31  
[86] 2003-02-27 (PCT/BE2003/000034)  
[87] 2003-09-25 (WO2003/078736)  
[30] BE (2002/0158) 2002-03-08

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[21] 2,477,805  
[13] A1

[51] Int.Cl. 7H02K 5/04 7E05F 15/00  
7F16M 7/00 7B60J 1/17  
[25] EN  
[54] DEVICE FOR MOUNTING A WINDOW REGULATOR MOTOR  
[54] DISPOSITIF DE MONTAGE D'UN MOTEUR LEVE-VITRE  
[72] GARCIA GARCIA, RAFAEL, ES  
[72] BARRANCO MANGAS, ALBERTO, ES  
[72] DOMINGUEZ RUBIO, FRANCISCO, ES  
[72] NEBREDA DE LA IGLESIA, FELIX, ES  
[72] MATEOS PUCHE, CORAL, ES  
[72] MANZANAS RODRIGUEZ, RICARDO, ES  
[71] GRUPO ANTOLIN-INGENIERIA, S.A., ES  
[85] 2004-08-27  
[86] 2002-06-14 (PCT/ES2002/000299)  
[87] 2003-09-18 (WO2003/077402)  
[30] ES (P 0200567) 2002-03-11

---

[21] 2,477,806  
[13] A1

[51] Int.Cl. 7G01N 1/00  
[25] EN  
[54] MULTI-CHAMBERED PUMP-VALVE DEVICE  
[54] DISPOSITIF SOUPAPE DE POMPE MULTI-CHAMBRE  
[72] KIPKE, CARY A., US  
[72] PEDERSON, JEFFREY C., US  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2004-08-31  
[86] 2003-02-11 (PCT/US2003/004160)  
[87] 2003-10-09 (WO2003/083444)  
[30] US (10/107,622) 2002-03-27

---

[21] 2,477,807  
[13] A1

[51] Int.Cl. 7G02B 6/44  
[25] EN  
[54] FIRE RESISTANT CONDUIT INSERT FOR OPTICAL FIBER CABLE  
[54] INSERT DE CONDUIT RESISTANT AU FEU POUR CABLE DE FIBRE OPTIQUE  
[72] MORRIS, DAVID D., US  
[71] MILLIKEN & COMPANY, US  
[85] 2004-08-31  
[86] 2003-03-20 (PCT/US2003/008607)  
[87] 2003-10-09 (WO2003/083547)  
[30] US (10/109,384) 2002-03-28

---

[21] 2,477,808  
[13] A1

[51] Int.Cl. 7A61K 39/00 7A61K 39/02  
7A61K 39/08  
[25] EN  
[54] METHODS OF TREATING NERVE ENTRAPMENT SYNDROMES  
[54] METHODES DE TRAITEMENT DE SYNDROMES NERVEUX COMPRESSIFS  
[72] O'BRIEN, CHRISTOPHER, US  
[71] ELAN PHARMACEUTICALS, INC., US  
[85] 2004-08-30  
[86] 2003-02-27 (PCT/US2003/006233)  
[87] 2003-09-12 (WO2003/073994)  
[30] US (60/360,628) 2002-03-01

---

[21] 2,477,809  
[13] A1

[51] Int.Cl. 7H04L 29/12 7H04L 29/06  
7H04L 12/28  
[25] EN  
[54] METHOD AND APPARATUS FOR PROCESSING INTERNET PROTOCOL TRANSMISSIONS  
[54] PROCEDE ET APPAREIL POUR LE TRAITEMENT DES TRANSMISSIONS EN PROTOCOLE INTERNET  
[72] LEUNG, NIKOLAI K. N., US  
[72] REZAIIFAR, RAMIN, US  
[71] QUALCOMM INCORPORATED, US  
[85] 2004-08-31  
[86] 2003-03-04 (PCT/US2003/006956)  
[87] 2003-09-18 (WO2003/077503)  
[30] US (10/091,069) 2002-03-04

---

[21] 2,477,810  
[13] A1

[51] Int.Cl. 7H04N 5/33 7H04N 5/217  
[25] EN  
[54] IMPROVEMENTS IN OR RELATING TO INFRA RED CAMERA CALIBRATION  
[54] AMELIORATIONS APPORTEES A L'ETALONNAGE D'UNE CAMERA INFRAROUGE  
[72] WATSON, NORMAN FREDERICK, GB  
[72] MCGUIGAN, MICHAEL GRANT, GB  
[71] BAE SYSTEMS PLC, GB  
[85] 2004-08-31  
[86] 2003-03-04 (PCT/GB2003/000923)  
[87] 2003-09-18 (WO2003/077539)  
[30] GB (0205482.3) 2002-03-08

## PCT Applications Entering the National Phase

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[21] 2,477,813  
[13] A1

[51] Int.Cl. 7A23J 3/14 7A23L 1/314  
[25] EN  
[54] PROCESS AND SYSTEM FOR FORMING PIECES OF MEAT OR MEAT ANALOGS  
[54] PROCEDE ET SYSTEME DE PREPARATION DE MORCEAUX DE VIANDE OU DE SUCCEDANES DE VIANDE  
[72] BALLARD, ARTHUR, US  
[72] DEMARCO, JOHN W., US  
[72] LAMKEY, JAMES W., US  
[72] JEVNE, GURO, NO  
[71] FMC BIOPOLYMER AS, NO  
[71] FMC CORPORATION, US  
[85] 2004-08-31  
[86] 2003-03-04 (PCT/US2003/006448)  
[87] 2003-09-18 (WO2003/075675)  
[30] US (60/361,676) 2002-03-05  
[30] US (60/408,190) 2002-09-03  
[30] US (60/446,904) 2003-02-12

[21] 2,477,814  
[13] A1

[51] Int.Cl. 7A61M 1/00  
[25] EN  
[54] HIGH VOLUME LIQUID WASTE COLLECTION AND DISPOSAL SYSTEM  
[54] SYSTEME DE COLLECTE ET D'EVACUATION DE DECHETS LIQUIDES A VOLUME ELEVE  
[72] DUNN, JAMES L., US  
[72] GUERRA, LAWRENCE E., US  
[71] DORNOCH MEDICAL SYSTEMS, INC., US  
[85] 2004-08-31  
[86] 2003-03-04 (PCT/US2003/006302)  
[87] 2003-09-18 (WO2003/075821)  
[30] US (10/090,221) 2002-03-04

[21] 2,477,822  
[13] A1

[51] Int.Cl. 7G01N 27/02 7G01N 27/60  
[25] EN  
[54] STABILIZED CONDUCTIVITY SENSING SYSTEM  
[54] SYSTEME STABILISE DE DETECTION DE CONDUCTIVITE  
[72] NGUYEN, TONY TUONG, US  
[72] PARK, KYONG M., US  
[71] KAVLICO CORPORATION, US  
[85] 2004-08-31  
[86] 2003-02-27 (PCT/US2003/006096)  
[87] 2003-09-12 (WO2003/074978)  
[30] US (10/087,315) 2002-03-01

[21] 2,477,823  
[13] A1

[51] Int.Cl. 7H04Q 1/02 7H05K 5/02  
7H04Q 1/14 7H01R 9/24  
[25] EN  
[54] ACCESS SECURITY DEVICE FOR DISTRIBUTION MODULES  
[54] DISPOSITIF DE PROTECTION D'ACCES DE MODULES REPARTITEURS  
[72] NIJHUIS, ANTONY, DE  
[72] MUELLER, MANFRED, DE  
[71] KRONE GMBH, DE  
[85] 2004-08-30  
[86] 2003-02-21 (PCT/EP2003/001787)  
[87] 2003-09-18 (WO2003/077623)  
[30] DE (102 10 382.8) 2002-03-08

[21] 2,477,825  
[13] A1

[51] Int.Cl. 7A41C 3/00  
[25] EN  
[54] BRASSIERE  
[54] SOUTIEN-GORGE  
[72] FALLA, GLORIA, US  
[71] PLAYTEX APPAREL, INC., US  
[85] 2004-08-31  
[86] 2002-03-01 (PCT/US2002/006199)  
[87] 2003-09-12 (WO2003/073878)

[21] 2,477,826  
[13] A1

[51] Int.Cl. 7A23G 1/00  
[25] EN  
[54] A LOW FAT COCOA EXTRACT  
[54] EXTRAIT DE CACAO A FAIBLE TENEUR EN GRAS  
[72] BREVARD, HUGUES, CH  
[72] MCCARTHY, JAMES, FR  
[71] SOCIETE DES PRODUITS NESTLE S.A., CH  
[85] 2004-08-30  
[86] 2003-03-19 (PCT/EP2003/002963)  
[87] 2003-09-25 (WO2003/077668)  
[30] EP (02006228.7) 2002-03-20

[21] 2,477,828  
[13] A1

[51] Int.Cl. 7A61K 48/00  
[25] EN  
[54] METHOD OF DIAGNOSIS AND TREATMENT OF BREAST LESIONS  
[54] METHODE DE DIAGNOSTIC ET DE TRAITEMENT DE LESIONS MAMMAIRES  
[72] HUNG, DAVID, US  
[71] CYTYC HEALTH CORPORATION, US  
[85] 2004-08-30  
[86] 2003-03-17 (PCT/US2003/008055)  
[87] 2003-09-25 (WO2003/077871)  
[30] US (60/364,136) 2002-03-15

[21] 2,477,829  
[13] A1

[51] Int.Cl. 7A47L 15/44  
[25] EN  
[54] IMPROVEMENTS IN OR RELATING TO A CONTAINER  
[54] AMELIORATIONS D'UN RECIPIENT OU ASSOCIEES A UN RECIPIENT  
[72] PREUSCHEN, JUDITH, DE  
[72] JOWETT, LOUISE, GB  
[72] WIEDEMANN, RALF, DE  
[72] RYMER, SHAUN, GB  
[72] SHEARSMITH, PHIL, GB  
[71] RECKITT BENCKISER N.V., NL  
[85] 2004-08-31  
[86] 2003-03-05 (PCT/GB2003/000903)  
[87] 2003-09-12 (WO2003/073906)  
[30] GB (0205248.8) 2002-03-06

[21] 2,477,832  
[13] A1

[51] Int.Cl. 7A61K 45/06 7A61P 9/00  
7A61P 3/10 7A61P 15/10 7A61P 25/28  
7A61K 31/519 7A61K 31/522  
[25] EN  
[54] METHODS OF TREATING DIABETES USING PDE 11A INHIBITORS  
[54] PROCEDES RELATIFS AU TRAITEMENT DU DIABETE PAR ADMINISTRATION D'INHIBITEURS DE PDE11A  
[72] VASAVADA, HAREN, US  
[71] BAYER PHARMACEUTICALS CORPORATION, US  
[85] 2004-08-30  
[86] 2003-03-14 (PCT/US2003/008132)  
[87] 2003-09-25 (WO2003/077949)  
[30] US (60/364,697) 2002-03-14  
[30] US (60/389,036) 2002-06-13

## Demandes PCT entrant en phase nationale

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[21] 2,477,833  
[13] A1

[51] Int.Cl. 7A61B 17/00  
[25] EN  
[54] VASCULAR OCCLUSION DEVICE  
[54] DISPOSITIF D'OCCLUSION  
**VASCULAIRE**  
[72] DAS, GLADWIN S., US  
[71] REGENTS OF THE UNIVERSITY OF  
MINNESOTA, US  
[85] 2004-08-31  
[86] 2003-03-03 (PCT/US2003/006473)  
[87] 2003-09-12 (WO2003/073944)  
[30] US (60/361,122) 2002-03-01

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[21] 2,477,834  
[13] A1

[51] Int.Cl. 7A61F 2/00  
[25] EN  
[54] METHOD AND APPARATUS FOR  
TREATING PELVIC ORGAN  
PROLAPSES IN FEMALE PATIENTS  
[54] PROCEDE ET TRAITEMENT DE  
PROLAPSUS D'ORGANES PELVIENS  
**CHEZ DES FEMMES**  
[72] JACQUETIN, BERNARD, FR  
[71] ETHICON, INC., US  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/IB2003/001231)  
[87] 2003-09-12 (WO2003/073960)  
[30] US (60/361,503) 2002-03-01

---

[21] 2,477,835  
[13] A1

[51] Int.Cl. 7H01J 49/42 7H01J 49/16  
[25] EN  
[54] METHOD AND SYSTEM FOR  
HIGH-THROUGHPUT QUANTITATION  
OF SMALL MOLECULES USING  
LASER DESORPTION AND MULTIPLE-  
REACTION-MONITORING  
[54] PROCEDE ET SYSTEME DE  
QUANTIFICATION A HAUT  
RENDEMENT DE PETITES  
MOLECULES RECOURANT A LA  
DESORPTION LASER ET AU SUIVI DE  
REACTIONS MULTIPLES  
[72] COVEY, THOMAS R., CA  
[72] CHAU, TUNG, CA  
[72] CORR, JOHN J., CA  
[72] FISHER, WILLIAM H., CA  
[71] MDS SCIEX, CA  
[85] 2004-08-30  
[86] 2003-03-27 (PCT/IB2003/001915)  
[87] 2003-10-09 (WO2003/083448)  
[30] US (60/368,195) 2002-03-28

---

[21] 2,477,837  
[13] A1

[51] Int.Cl. 7B28B 11/04 7B01J 35/04  
7F01N 3/28 7B01D 53/86  
[25] EN  
[54] CERAMIC HONEYCOMB  
**STRUCTURAL BODY AND METHOD  
OF MANUFACTURING THE  
STRUCTURAL BODY**  
[54] CORPS STRUCTURAL EN NID  
D'ABEILLE CERAMIQUE ET SON  
PROCEDE DE PRODUCTION  
[72] KAWAE, TAKAYUKI, JP  
[72] KATO, YASUSHI, JP  
[72] HIRAI, SADAAKI, JP  
[71] NGK INSULATORS, LTD., JP  
[85] 2004-08-30  
[86] 2003-02-25 (PCT/JP2003/002055)  
[87] 2003-09-25 (WO2003/078121)  
[30] JP (2002-72488) 2002-03-15  
[30] JP (2003-2960) 2003-01-09

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[21] 2,477,838  
[13] A1

[51] Int.Cl. 7B32B 17/10 7B29C 47/00  
7C08K 5/00 7B64C 1/14 7C08L 29/14  
7C08J 5/18  
[25] EN  
[54] LOW-COLOR STIFF PVB  
LAMINATES FOR USE IN AIRCRAFT  
WINDSCREENS  
[54] STRATIFIES PVB RIGIDES PEU  
COLORES DESTINES A ETRE  
UTILISES DANS DES PARE-BRISES  
**D'AVIONS**  
[72] WONG, BERT C., US  
[72] RYMER, DONALD L., US  
[72] READ, NOLAN K., III, US  
[71] E.I. DU PONT DE NEMOURS AND  
COMPANY, US  
[85] 2004-08-30  
[86] 2003-03-11 (PCT/US2003/007353)  
[87] 2003-09-25 (WO2003/078160)  
[30] US (60/363,908) 2002-03-12

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[21] 2,477,839  
[13] A1

[51] Int.Cl. 7C07D 401/04 7A61P 9/00  
7A61P 25/00 7A61P 35/00 7A61P 43/00  
7A61P 19/02 7A61P 27/02 7C07D 498/04  
7A61P 25/04 7C07D 403/06 7C07D 417/06  
7C07D 498/10 7A61P 3/10 7C07D 405/14  
7C07D 409/14 7C07D 413/14 7C07D 451/  
14 7A61P 25/16 7A61P 31/18 7A61P 25/24  
7A61K 31/444 7A61K 31/4545 7A61K 31/  
497 7A61K 31/5365 7A61K 31/55  
[25] EN  
[54] NITROGENOUS HETEROCYCLIC  
COMPOUND AND MEDICINE  
THEREOF  
[54] COMPOSE HETEROCYCLIQUE  
AZOTE ET MEDICAMENT  
**RENFERMANT CE COMPOSE**  
[72] YOSHINAGA, TAKASHI, JP  
[72] KOBAYASHI, KIYOAKI, JP  
[72] MINAMI, HIROE, JP  
[72] SAWADA, KOHEI, JP  
[72] SUZUKI, HIROYUKI, JP  
[72] ONOGI, TATSUHIRO, JP  
[72] NORIMINE, YOSHIHIKO, JP  
[72] KAWANO, KOKI, JP  
[72] ONO, MUTSUKO, JP  
[72] OZAKI, FUMIHIRO, JP  
[71] EISAI CO., LTD., JP  
[85] 2004-08-30  
[86] 2003-03-14 (PCT/JP2003/003064)  
[87] 2003-10-16 (WO2003/084948)  
[30] JP (2002-69529) 2002-03-14

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[21] 2,477,840  
[13] A1

[51] Int.Cl. 7G06K 19/077 7H05K 7/14  
[25] EN  
[54] EXTERNAL MEMORY DEVICE  
[54] DISPOSITIF DE MEMOIRE  
**EXTERNE**  
[72] SUGAWARA, NORIO, JP  
[72] ANDO, TAKASHI, JP  
[72] YAMANAKA, HIROAKI, JP  
[71] SONY CORPORATION, JP  
[85] 2004-08-30  
[86] 2004-01-07 (PCT/JP2004/000035)  
[87] 2004-07-29 (WO2004/063981)  
[30] JP (2003-002675) 2003-01-08  
[30] JP (2003-156072) 2003-05-30  
[30] JP (2003-400876) 2003-11-28

## PCT Applications Entering the National Phase

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[21] 2,477,841  
[13] A1

[51] Int.Cl. 7A61K 31/4439 7A61P 11/00  
7A61P 25/00  
[25] EN  
[54] METHOD OF USE  
[54] PROCEDE D'UTILISATION  
[72] WIKLUND, INGELA, SE  
[72] JUNGHARD, OLA, SE  
[71] ASTRAZENECA AB, SE  
[85] 2004-08-30  
[86] 2002-03-28 (PCT/SE2002/000642)  
[87] 2003-10-09 (WO2003/082282)

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[21] 2,477,842  
[13] A1

[51] Int.Cl. 7A61K 35/78  
[25] EN  
[54] INHIBITION OF JUN KINASE  
[54] INHIBITION DE LA KINASE JUN  
[72] CHANG, LUFEN, US  
[72] KARIN, MICHAEL, US  
[72] HOTAMISLIGIL, GOKHAN S., US  
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US  
[71] REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2004-08-30  
[86] 2002-04-24 (PCT/US2002/012687)  
[87] 2002-10-31 (WO2002/085396)  
[30] US (60/285,966) 2001-04-24

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[21] 2,477,844  
[13] A1

[51] Int.Cl. 7C03C 17/36 7C23C 14/14  
7C23C 14/18  
[25] EN  
[54] THIN FILM COATING HAVING NIOBIUM-TITANIUM LAYER  
[54] REVETEMENT A FILM FIN COMPORTANT UNE COUCHE DE NIOBIUM-TITANE  
[72] HARTIG, KLAUS, US  
[72] KRISKO, ANNETTE J., US  
[71] CARDINAL CG COMPANY, US  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/US2003/006134)  
[87] 2003-09-12 (WO2003/074441)  
[30] US (10/087,662) 2002-03-01  
[30] US (10/123,032) 2002-04-11

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[21] 2,477,845  
[13] A1

[51] Int.Cl. 7C03C 17/36 7C23C 14/18  
[25] EN  
[54] THIN FILM COATING HAVING TRANSPARENT BASE LAYER  
[54] REVETEMENT A COUCHES MINCES PRESENTANT UNE COUCHE DE BASE TRANSPARENTE  
[72] KRISKO, ANNETTE J., US  
[72] HARTIG, KLAUS, US  
[71] CARDINAL CG COMPANY, US  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/US2003/006168)  
[87] 2003-09-12 (WO2003/074442)  
[30] US (10/087,662) 2002-03-01  
[30] US (10/123,032) 2002-04-11

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[21] 2,477,846  
[13] A1

[51] Int.Cl. 7C25C 3/06 7C25B 11/00  
7C25C 3/00 7C25B 11/04 7C25C 3/08  
7C25C 3/16 7C25C 3/20 7B01D 59/40  
7B01D 59/50  
[25] EN  
[54] IMPROVED ANODE FOR USE IN ALUMINUM PRODUCING ELECTROLYTIC CELL  
[54] ANODE AMELIOREE DESTINEE A UNE CELLULE D'ELECTROLYSE DE PRODUCTION D'ALUMINIUM  
[72] BRADFORD, DONALD R., US  
[72] BARNETT, ROBERT J., US  
[72] MEZNER, MICHAEL B., US  
[71] NORTHWEST ALUMINUM TECHNOLOGIES, US  
[85] 2004-08-31  
[86] 2002-10-18 (PCT/US2002/033383)  
[87] 2003-09-12 (WO2003/074766)  
[30] US (10/086,255) 2002-03-01

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[21] 2,477,847  
[13] A1

[51] Int.Cl. 7D21C 9/10 7D21C 9/14  
[25] EN  
[54] XYLANASE TREATMENT OF CHEMICAL PULP  
[54] TRAITEMENT DE PATE CHIMIQUE PAR DES XYLANASES  
[72] TOLAN, JEFFREY S., CA  
[72] POPOVICI, CORINA, CA  
[71] IOGEN BIO-PRODUCTS CORPORATION, CA  
[85] 2004-08-31  
[86] 2003-03-05 (PCT/CA2003/000300)  
[87] 2003-09-12 (WO2003/074780)  
[30] US (60/362,200) 2002-03-06

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[21] 2,477,848  
[13] A1

[51] Int.Cl. 7D21C 11/00 7D21C 3/04  
7D21C 11/10 7D21C 3/20  
[25] EN  
[54] PROCESS FOR PRODUCING FURFURAL, FORMIC ACID AND ACETIC ACID FROM SPENT PULP-COOKING LIQUOR  
[54] PROCEDE DE PRODUCTION DE FURFURAL, D'ACIDE FORMIQUE ET D'ACIDE ACETIQUE A PARTIR D'UNE LIQUEUR NOIRE DERIVEE DE LA CUISSON DE LA PATE A PAPIER  
[72] TANSKANEN, JUHA, FI  
[72] ROUSU, ESA, FI  
[72] ANTILA, JUHA, FI  
[72] ROUSU, PASI, FI  
[71] CHEMPOLIS OY, FI  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/FI2003/000149)  
[87] 2003-09-12 (WO2003/074781)  
[30] FI (20020401) 2002-03-01

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[21] 2,477,850  
[13] A1

[51] Int.Cl. 7B01D 19/00  
[25] EN  
[54] THIN FILM IN-LINE DEGASSER  
[54] DEGAZEUR EN LIGNE A FILM MINCE  
[72] SANDERS, KERRY T., US  
[72] PEGRAM, STEPHEN C., US  
[72] YOUNG, KENT A., US  
[71] JOHNSON & JOHNSON VISION CARE, INC., US  
[85] 2004-08-31  
[86] 2003-02-27 (PCT/US2003/005933)  
[87] 2003-09-12 (WO2003/074149)  
[30] US (60/360,910) 2002-03-01  
[30] US (10/374,467) 2003-02-26

## Demandes PCT entrant en phase nationale

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[21] **2,477,851**  
[13] A1

[51] Int.Cl. 7A61K 31/167 7A61P 31/18  
7C07C 311/21 7C07D 295/26 7C07D 333/  
38 7C07D 209/48 7C07C 233/55 7C07D  
307/68 7C07D 209/76 7C07C 233/81  
7C07D 213/82  
[25] EN  
[54] SMALL MOLECULE ENTRY  
INHIBITORS  
[54] INHIBITEURS DE LA  
PENETRATION DE PETITES  
MOLECULES  
[72] HERTOGS, KURT, BE  
[72] LU, RONG JIAN, US  
[72] DE BETHUNE, MARIE-PIERRE, BE  
[72] DE MEYER, SANDRA, BE  
[72] XIE, DONG, US  
[72] TAHRI, ABDELLAH, BE  
[72] MICHIELS, LIEVE EMMA JAN, BE  
[72] EISSENSTAT, MICHAEL, US  
[71] TIBOTEC PHARMACEUTICALS  
LTD., IE  
[85] 2004-08-30  
[86] 2003-03-11 (PCT/EP2003/050055)  
[87] 2003-09-18 (WO2003/075907)  
[30] EP (02075998.1) 2002-03-11

[21] **2,477,852**  
[13] A1

[51] Int.Cl. 7B01J 19/24 7C01B 3/38  
7C01B 3/50 7C01B 3/58  
[25] EN  
[54] STEAM-REFORMING  
CATALYTIC STRUCTURES  
[54] STRUCTURES CATALYTIQUES  
DE REFORMAGE A LA VAPEUR  
[72] KRUEGER, CHARLES W., US  
[71] HY9 CORPORATION, US  
[85] 2004-08-30  
[86] 2003-03-12 (PCT/IB2003/000899)  
[87] 2003-09-18 (WO2003/076062)  
[30] US (60/363,672) 2002-03-12

[21] **2,477,853**  
[13] A1

[51] Int.Cl. 7B22F 1/00 7C23C 4/06  
[25] EN  
[54] CORROSION RESISTANT  
POWDER AND COATING  
[54] POUDRE ET REVETEMENT  
RESISTANT A LA CORROSION  
[72] JAROSINSKI, WILLIAM JOHN CRIM,  
US  
[72] TEMPLES, LEWIS BENTON, US  
[71] PRAXAIR S.T. TECHNOLOGY, INC.,  
US  
[85] 2004-08-31  
[86] 2003-02-19 (PCT/US2003/004708)  
[87] 2003-09-12 (WO2003/074216)  
[30] US (10/087,093) 2002-03-01

[21] **2,477,854**  
[13] A1

[51] Int.Cl. 7A61P 3/04 7A61K 35/20  
7A23L 1/29 7A23L 1/304 7A23L 1/305  
[25] EN  
[54] COMPOSITIONS AND METHODS  
FOR TREATMENT OF BODY WEIGHT  
CONDITIONS WITH MILK MINERALS  
AND CASEIN FRACTIONS  
[54] COMPOSITIONS ET METHODES  
DE TRAITEMENT DE TROUBLES  
PONDERAUX AU MOYEN DE  
MINERAUX DE LAIT ET DE  
FRACTIONS DE CASEINE  
[72] WARD, LOREN S., US  
[72] PAULSEN, STARLA J., US  
[72] BASTIAN, ERIC D., US  
[71] GLANBIA NUTRITIONALS  
(IRELAND) LIMITED, IE  
[85] 2004-08-31  
[86] 2003-02-25 (PCT/US2003/005797)  
[87] 2003-09-12 (WO2003/074129)  
[30] US (60/360,709) 2002-03-01  
[30] US () 2003-02-21

[21] **2,477,855**  
[13] A1

[51] Int.Cl. 7C23C 22/34 7B05D 3/10  
7C23C 22/56 7C23C 22/57  
[25] EN  
[54] TREATING LIQUID FOR  
SURFACE TREATMENT OF  
ALUMINUM OR MAGNESIUM BASED  
METAL AND METHOD OF SURFACE  
TREATMENT  
[54] LIQUIDE DE TRAITEMENT POUR  
LE TRAITEMENT DE SURFACE DE  
METAL A BASE D'ALUMINIUM OU DE  
MAGNESEIUM ET PROCEDE DE  
TRAITEMENT DE SURFACE  
[72] SHIOTA, KATSUHIRO, JP  
[72] OKADA, EISAKU, JP  
[72] YOSHIDA, FUMIYA, JP  
[72] ISHIKURA, KAZUHIRO, JP  
[72] KUROSAWA, MICHIRO, JP  
[72] MATSUSHITA, TADASHI, JP  
[72] SATO, HIROYUKI, JP  
[72] NAKAYAMA, TAKAOMI, JP  
[71] NIHON PARKERIZING CO., LTD., JP  
[71] TOYOTA JIDOSHA KABUSHIKI  
KAISHA, JP  
[71] DAIHATSU MOTOR CO., LTD., JP  
[85] 2004-08-30  
[86] 2002-06-12 (PCT/JP2002/005861)  
[87] 2003-09-12 (WO2003/074761)  
[30] JP (2002-59041) 2002-03-05  
[30] JP (2002-59042) 2002-03-05

[21] **2,477,860**  
[13] A1

[51] Int.Cl. 7G06F 17/60  
[25] EN  
[54] INVESTMENT PORTFOLIO  
ANALYSIS SYSTEM  
[54] SYSTEME D'ANALYSE D'UN  
PORTEFEUILLE  
D'INVESTISSEMENTS  
[72] VIMER, VICTOR, US  
[71] VIMER, VICTOR, US  
[85] 2004-08-30  
[86] 2003-02-27 (PCT/US2003/005983)  
[87] 2003-09-12 (WO2003/075122)  
[30] US (60/360,206) 2002-02-28  
[30] US (60/361,191) 2002-02-28

## PCT Applications Entering the National Phase

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[21] 2,477,870  
[13] A1

[51] Int.Cl. 7A61N 1/30  
[25] EN  
[54] ELECTRODE ASSEMBLY FOR CONSTANT-CURRENT ELECTROPORATION AND USE  
[54] ENSEMBLE ELECTRODE POUR L'ELECTROPORATION A COURANT CONSTANT ET UTILISATION  
[72] CARPENTER, ROBERT H., US  
[72] KERN, DOUGLAS R., US  
[72] WILKINSON, WILLIAM R., US  
[72] DRAGHIA-AKLI, RUXANDRA, US  
[72] WESTERSTEN, ALLAN, US  
[71] ADVISYS, INC., US  
[85] 2004-08-30  
[86] 2003-03-06 (PCT/US2003/006833)  
[87] 2003-09-18 (WO2003/076006)  
[30] US (60/362,362) 2002-03-07

---

[21] 2,477,872  
[13] A1

[51] Int.Cl. 7A61N 1/30  
[25] EN  
[54] CLINICAL SYRINGE WITH ELECTRICAL STIMULATION ASPECTS  
[54] SERINGUE CLINIQUE AVEC DES ASPECTS DE STIMULATION ELECTRIQUE  
[72] SIMON, ADAM, US  
[72] LIFSHETZ, ARTHUR L., US  
[72] FATTORI, ELENA, IT  
[71] MERCK & CO., US  
[71] INSTITUTO DI RICERCHE DI BIOLOGIA MOLECULARE P. ANGELETTI S.P.A., IT  
[85] 2004-08-30  
[86] 2003-03-06 (PCT/US2003/006852)  
[87] 2003-09-18 (WO2003/075978)  
[30] US (60/362,533) 2002-03-07

---

[21] 2,477,873  
[13] A1

[51] Int.Cl. 7C08F 210/02 7D01D 5/11  
7C08J 5/18 7D01F 6/32  
[25] EN  
[54] FLUORINE-CONTAINING ETHYLENE COPOLYMERS  
[54] COPOLYMERÉ ETHYLÉNIQUE CONTENANT DU FLUOR  
[72] SIEMIONKO, ROGER K., US  
[72] SAMUELS, SAM L., US  
[72] CHOU, RICHARD T., US  
[71] E.I. DU PONT DE NEMOURS, US  
[85] 2004-08-30  
[86] 2003-03-07 (PCT/US2003/007026)  
[87] 2003-09-18 (WO2003/076483)  
[30] US (60/362,703) 2002-03-07

---

[21] 2,477,879  
[13] A1

[51] Int.Cl. 7A61K 9/00 7A61K 31/485  
[25] EN  
[54] AEROSOL FORMULATIONS FOR PULMONARY ADMINISTRATION OF MEDICAMENTS TO PRODUCE A SYSTEMIC EFFECT  
[54] FORMULATIONS AEROSOL POUR L'ADMINISTRATION PULMONAIRE DE MEDICAMENTS VISANT A PRODUIRE UN EFFET SYSTEMIQUE  
[72] DAVIES, REBECCA JAINE, IT  
[72] GANDERTON, DAVID, IT  
[72] LEWIS, DAVID ANDREW, IT  
[72] MEAKIN, BRIAN JOHN, IT  
[72] FERRARIS, ALESSANDRA, IT  
[72] BRAMBILLA, GAETANO, IT  
[71] CHIESI FARMACEUTICI S.P.A., IT  
[85] 2004-08-31  
[86] 2003-02-26 (PCT/EP2003/001962)  
[87] 2003-09-12 (WO2003/074023)  
[30] EP (02004786.6) 2002-03-01

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[21] 2,477,881  
[13] A1

[51] Int.Cl. 7A61K 9/00 7A61K 31/485  
[25] EN  
[54] FORMOTEROL SUPERFINE FORMULATION  
[54] PREPARATION SUPERFINE DE FORMOTEROL  
[72] BRAMBILLA, GAETANO, IT  
[72] LEWIS, DAVID ANDREW, IT  
[72] CHURCH, TANYA KATHLEEN, IT  
[72] GANDERTON, DAVID, IT  
[72] MEAKIN, BRIAN JOHN, IT  
[72] DAVIES, REBECCA JAINE, IT  
[72] FERRARIS, ALESSANDRA, IT  
[71] CHIESI FARMACEUTICI S.P.A., IT  
[85] 2004-08-31  
[86] 2003-02-26 (PCT/EP2003/001964)  
[87] 2003-09-12 (WO2003/074024)  
[30] EP (02004786.6) 2002-03-01  
[30] EP (02023589.1) 2002-10-23

---

[21] 2,477,882  
[13] A1

[51] Int.Cl. 7C10L 9/02  
[25] EN  
[54] METHOD FOR TREATING CARBONACEOUS MATERIALS  
[54] TRAITEMENT DE MATIERES CARBONEES  
[72] LLOYD, ROBERT, AU  
[71] KARALEE RESEARCH PTY LTD, AU  
[85] 2004-08-31  
[86] 2003-03-05 (PCT/AU2003/000258)  
[87] 2003-09-12 (WO2003/074639)  
[30] AU (PS 0911) 2002-03-05

---

[21] 2,477,883  
[13] A1

[51] Int.Cl. 7H04J 11/00  
[25] EN  
[54] HIERARCHICAL PREAMBLE CONSTRUCTIONS FOR OFDMA BASED ON COMPLEMENTARY SEQUENCES  
[54] CONSTRUCTIONS HIERARCHISEES DES PREAMBULES POUR DES ACCES OFDMA A BASE DE SEQUENCES COMPLEMENTAIRES  
[72] KAITZ, TAL, IL  
[72] CHAYAT, NAFTALI, IL  
[71] ALVARION LTD., IL  
[85] 2004-08-31  
[86] 2003-03-04 (PCT/IL2003/000166)  
[87] 2003-09-12 (WO2003/075500)  
[30] US (60/362,299) 2002-03-07

---

[21] 2,477,885  
[13] A1

[51] Int.Cl. 7A61K 9/00 7A61K 31/485  
[25] EN  
[54] PRESSURISED METERED DOSE INHALERS CONTAINING SOLUTIONS OF BETA-2 AGONISTS  
[54] FORMULATIONS HFA DE BETA 2-AGONISTES A ACTION PROLONGEE DE DERIVES DE 2(IH)-QUINOLINONE  
[72] GANDERTON, DAVID, IT  
[72] DAVIES, REBECCA JAINE, IT  
[72] MEAKIN, BRIAN JOHN, IT  
[72] CHURCH, TANYA KATHLEEN, IT  
[72] LEWIS, DAVID ANDREW, IT  
[72] FERRARIS, ALESSANDRA, IT  
[72] BRAMBILLA, GAETANO, IT  
[71] CHIESI FARMACEUTICI S.P.A., IT  
[85] 2004-08-31  
[86] 2003-02-27 (PCT/EP2003/002004)  
[87] 2003-09-12 (WO2003/074025)  
[30] EP (02004786.6) 2002-03-01  
[30] EP (02023589.1) 2002-10-23

## Demandes PCT entrant en phase nationale

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[21] 2,477,886  
[13] A1

[51] Int.Cl. 7C07D 213/76 7A61P 25/00  
7C07D 405/12 7A61K 31/44 7C07D 213/74  
7C07D 213/75  
[25] EN  
[54] PREPARATION OF N1-(2'-PYRIDYL)-1,2-PROPANEDIAMINE SULFAMIC ACID AND ITS USE IN THE SYNTHESIS OF BIOLOGICALLY ACTIVE PIPERAZINES  
[54] PREPARATION D'ACIDE SULFAMIQUE N1-(2'-PYRIDYL)-1,2-PROPANEDIAMINE ET UTILISATION DE CELUI-CI POUR LA SYNTHESE DE PIPERAZINES BIOLOGIQUEMENT ACTIVES  
[72] JIRKOVSKY, IVO, US  
[72] CHAN, ANITA WAI-YIN, US  
[72] ZELDIS, JOSEPH, US  
[72] FEIGELSON, GREGG BRIAN, US  
[71] WYETH COMPANY, US  
[85] 2004-08-30  
[86] 2003-03-10 (PCT/US2003/007228)  
[87] 2003-09-25 (WO2003/078396)  
[30] US (60/363,457) 2002-03-12

---

[21] 2,477,887  
[13] A1

[51] Int.Cl. 7E01B 3/00  
[25] EN  
[54] RAIL SLEEPER AND BALLAST-FREE TRACK STRUCTURE  
[54] STRUCTURE DE VOIE FERREE SANS BALLAST ET TRAVERSE ASSOCIEE-  
[72] BRAITHWAITE, ERROL, ZA  
[71] HIGHFLYER INVESTMENTS & TRADING 6 (PTY) LIMITED, ZA  
[85] 2004-08-31  
[86] 2003-01-21 (PCT/ZA2003/000010)  
[87] 2003-09-12 (WO2003/074790)  
[30] ZA (2002/1735) 2002-03-01

---

[21] 2,477,888  
[13] A1

[51] Int.Cl. 7F27B 7/20 7C04B 7/43  
[25] EN  
[54] METHOD AND PLANT FOR MANUFACTURING CEMENT CLINKER  
[54] PROCEDE ET DISPOSITIF DE PRODUCTION DE CLINKER DE CIMENT  
[72] JENSEN, LARS SKAARUP, DK  
[71] F.L. SMIDTH A/S, DK  
[85] 2004-08-31  
[86] 2003-02-06 (PCT/EP2003/001164)  
[87] 2003-09-12 (WO2003/074956)  
[30] DK (PA 2002 00345) 2002-03-07

---

[21] 2,477,890  
[13] A1

[51] Int.Cl. 7A61K 9/16  
[25] EN  
[54] IMMEDIATE RELEASE PHARMACEUTICAL GRANULE COMPOSITIONS AND A CONTINUOUS PROCESS FOR MAKING THEM  
[54] COMPOSITIONS PHARMACEUTIQUES EN GRANULES A LIBERATION IMMEDIATE ET PROCEDE DE FABRICATION DE CELLES-CI EN CONTINU  
[72] REMON, JEAN-PAUL, BE  
[72] VERVAET, KRIS, BE  
[71] UNIVERSITEIT GENT, BE  
[85] 2004-08-31  
[86] 2003-03-05 (PCT/BE2003/000040)  
[87] 2003-09-12 (WO2003/074031)  
[30] GB (0205253.8) 2002-03-06

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[21] 2,477,891  
[13] A1

[51] Int.Cl. 7G01N 27/64 7G01N 33/02  
[25] EN  
[54] METHOD FOR THE DETECTION OF PROTEINS OF ANIMAL ORIGIN IN COMPLEX MIXTURES  
[54] METHODE DE DETECTION DE PROTEINES D'ORIGINE ANIMALE DANS DES MELANGES COMPLEXES  
[72] BLOCH, CARLOS, BR  
[72] PIRES DE CASTRO, CLARISSA SILVA, BR  
[72] PRATES, MAURA VIANNA, BR  
[71] EMPRESA BRASILEIRA DE PESQUISA AGROPECUARIA - EMBRAPA, BR  
[85] 2004-08-31  
[86] 2002-07-03 (PCT/BR2002/000092)  
[87] 2003-09-12 (WO2003/075000)  
[30] BR (PI 0200690-1) 2002-03-04

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[21] 2,477,892  
[13] A1

[51] Int.Cl. 7C07D 319/18 7C07D 405/12  
[25] EN  
[54] PROCESS FOR SYNTHESIZING CHIRAL N-ARYL PIPERAZINES  
[54] PROCEDE DE SYNTHESE DE PIPERAZINES N-ARYLE CHIRALES  
[72] ZELDIS, JOSEPH, US  
[72] JIRKOVSKY, IVO, US  
[72] FEIGELSON, GREGG BRIAN, US  
[71] WYETH, A CORPORATION OF THE STATE OF DALAWARE, US  
[85] 2004-08-30  
[86] 2003-03-10 (PCT/US2003/007078)  
[87] 2003-09-25 (WO2003/078417)  
[30] US (60/363,431) 2002-03-12

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[21] 2,477,900  
[13] A1

[51] Int.Cl. 7A61K 31/19 7A61P 9/12  
7A23L 1/30  
[25] EN  
[54] COMPOSITION FOR PREVENTING HYPERTENSION  
[54] COMPOSITION PERMETTANT DE PREVENIR L'HYPERTENSION  
[72] AKITA, SUMIO, JP  
[72] KONDOW, SHINO, JP  
[72] TAYAMA, KENJI, JP  
[72] TSUKAMOTO, YOSHINORI, JP  
[71] MITSUKAN GROUP CORPORATION, JP  
[85] 2004-08-31  
[86] 2002-03-04 (PCT/JP2002/001967)  
[87] 2003-09-12 (WO2003/074039)

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[21] 2,477,903  
[13] A1

[51] Int.Cl. 7A61K 31/4035 7A61P 25/00  
7A61P 43/00 7C07D 405/04 7C07D 491/056  
7C07D 405/06 7C07D 491/107 7C07D 405/12 7C07D 407/12 7C07D 409/12 7A61P 25/14 7A61P 25/16 7A61P 25/22 7A61P 25/24 7A61P 25/28 7A61K 31/343 7A61K 31/36 7A61K 31/381 7A61K 31/407 7A61K 31/4355 7A61K 31/443 7A61K 31/444 7A61K 31/4525 7A61K 31/4709 7C07D 307/79  
[25] EN  
[54] ANTIDEPRESSANT  
[54] ANTIDEPRESSEUR  
[72] MIYAMOTO, MASAOMI, JP  
[72] OHKAWA, SHIGENORI, JP  
[71] TAKEDA CHEMICAL INDUSTRIES, LTD., JP  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/JP2003/002293)  
[87] 2003-09-12 (WO2003/074046)  
[30] JP (2002-55771) 2002-03-01  
[30] JP (2002-195434) 2002-07-04

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[21] 2,477,905  
[13] A1

[51] Int.Cl. 7A61L 2/24 7B65B 55/02  
7A61L 12/04 7A61L 2/07  
[25] EN  
[54] IN-LINE STEAM STERILIZER  
[54] STERILISATEUR A VAPEUR EN LIGNE  
[72] JAMES, WHITE, US  
[71] JOHNSON & JOHNSON VISION CARE, INC., US  
[85] 2004-08-31  
[86] 2003-02-27 (PCT/US2003/005946)  
[87] 2003-09-12 (WO2003/074093)  
[30] US (60/360,904) 2002-03-01

## PCT Applications Entering the National Phase

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**[21] 2,477,906**  
[13] A1

[51] Int.Cl. 7C07D 319/18 7C07C 229/12  
[25] EN  
[54] PROCESS FOR MAKING CHIRAL 1,4-DISUBSTITUTED PIPERAZINES  
[54] METHODE DE PRODUCTION DE PIPERAZINES CHIRALEX 1,4-DISUBSTITUÉES  
[72] ZELDIS, JOSEPH, US  
[72] FEIGELSON, GREGG BRIAN, US  
[72] JIRKOVSKY, IVO, US  
[71] WYETH, US  
[85] 2004-08-30  
[86] 2003-03-10 (PCT/US2003/007176)  
[87] 2003-09-25 (WO2003/078420)  
[30] US (60/363,458) 2002-03-12

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**[21] 2,477,908**  
[13] A1

[51] Int.Cl. 7B25J 17/00  
[25] EN  
[54] SPLIT COLLAR FOR MECHANICAL ARM CONNECTION  
[54] COLLIER FENDU DESTINE A UNE CONNEXION DE BRAS MECANIQUE  
[72] ANSELL, SCOTT F., US  
[71] JOHNSON & JOHNSON VISION CARE, INC., US  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/US2003/006130)  
[87] 2003-09-12 (WO2003/074237)  
[30] US (60/360,652) 2002-03-01  
[30] US (10/375,631) 2003-02-27

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**[21] 2,477,909**  
[13] A1

[51] Int.Cl. 7A61K 35/12 7A61K 31/07  
7A61K 31/20 7A61K 31/685  
[25] EN  
[54] NOVEL METABOLIC TARGETS AND MARKERS  
[54] NOUVEAUX MARQUEURS ET CIBLES METABOLIQUES  
[72] WATKINS, STEVEN M., US  
[72] BAILLIE, REBECCA A., US  
[71] LIPOMICS TECHNOLOGIES, INC., US  
[85] 2004-08-30  
[86] 2003-03-07 (PCT/US2003/007242)  
[87] 2003-09-25 (WO2003/078574)  
[30] US (60/363,587) 2002-03-11  
[30] US (60/373,912) 2002-04-19  
[30] US (60/401,684) 2002-08-06  
[30] US (60/424,949) 2002-11-08  
[30] US (60/436,192) 2002-12-24

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**[21] 2,477,913**  
[13] A1

[51] Int.Cl. 7B60R 1/02 7F16H 57/08  
[25] EN  
[54] GEAR MECHANISM FOR USE IN CONTROLLING VEHICLE REAR-VIEW MIRRORS AND MEASURING ANGULAR DEFLECTION OF AN ARTICULATED TRAILER RELATIVE TO THE TRACTOR  
[54] MECANISME D'ENGRENAGES SERVANT A CONTROLER LES RETROVISEURS D'UN VEHICULE ET A MESURER LA DEVIATION ANGULAIRE D'UNE REMORQUE ARTICULEE PAR RAPPORT AU TRACTEUR DE REMORQUE  
[72] STANDEN, JOHN PAUL, GB  
[71] C-LOGIC LIMITED, GB  
[85] 2004-08-31  
[86] 2003-02-25 (PCT/GB2003/000781)  
[87] 2003-09-12 (WO2003/074330)  
[30] GB (0204820.5) 2002-03-01

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**[21] 2,477,914**  
[13] A1

[51] Int.Cl. 7G06F 17/60  
[25] EN  
[54] CASH GENERATION FROM PORTFOLIO DISPOSITION USING GENETIC ALGORITHMS  
[54] GENERATION DE FONDS PAR REALISATION DE PORTEFEUILLE AU MOYEN D'ALGORITHMES GENETIQUES  
[72] HILTON, KENNETH W., US  
[71] INTUIT, INC., US  
[85] 2004-08-30  
[86] 2003-03-10 (PCT/US2003/007385)  
[87] 2003-09-25 (WO2003/079150)  
[30] US (10/099,043) 2002-03-14

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**[21] 2,477,918**  
[13] A1

[51] Int.Cl. 7A44B 19/16 7B65D 33/16  
[25] EN  
[54] RECLOSABLE FASTENERS OR ZIPPERS FOR USE WITH POLYMERIC BAGS  
[54] SYSTEMES DE FERMETURE PAR PRESSION OU GLISSIERE REUTILISABLES POUR SACHETS POLYMERIQUES  
[72] BLYTHE, JAMES S., US  
[72] CAMERON, DAVID P., US  
[72] LONG, STEVEN P., US  
[72] THOMAS, TOBY R., US  
[72] DOBRESKI, DAVID V., US  
[72] FERRARI, DANIEL B., US  
[71] PACTIV CORPORATION, US  
[85] 2004-08-31  
[86] 2003-02-26 (PCT/US2003/006050)  
[87] 2003-09-12 (WO2003/074371)  
[30] US (60/361,171) 2002-03-01

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**[21] 2,477,923**  
[13] A1

[51] Int.Cl. 7C07C 233/25 7C07C 50/04  
7C07D 275/06 7C07C 53/08 7C07C 61/125  
7C07D 213/16 7C07D 213/22 7C07D 223/  
26 7C07C 57/30 7C07C 47/544 7C07C 57/  
58 7C07D 233/74 7C07D 213/82 7C07C 69/  
86 7C07D 213/89  
[25] EN  
[54] MULTIPLE-COMPONENT SOLID PHASES CONTAINING AT LEAST ONE ACTIVE PHARMACEUTICAL INGREDIENT  
[54] PHASES SOLIDES MULTICOMPONENTS CONTENTANT AU MOINS UN PRINCIPE PHARMACEUTIQUEMENT ACTIF  
[72] RODRIGUEZ-HORNEDO, NAIR, US  
[72] MOULTON, BRIAN, US  
[72] ZAWOROTKO, MICHAEL J., US  
[71] UNIVERSITY OF SOUTH FLORIDA, US  
[71] REGENTS OF THE UNIVERSITY OF MICHIGAN, US  
[85] 2004-08-31  
[86] 2003-03-03 (PCT/US2003/006662)  
[87] 2003-09-12 (WO2003/074474)  
[30] US (60/360,768) 2002-03-01

## Demandes PCT entrant en phase nationale

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[21] 2,477,926  
[13] A1

[51] Int.Cl. 7C07D 491/22 7A61P 35/00  
7A61K 31/4375  
[25] EN  
[54] CRYSTALLINE POLYMORPHIC FORM OF IRINOTECAN HYDROCHLORIDE  
[54] FORME POLYMORPHIQUE CRISTALLINE DE CHLORHYDRATE D'IRINOTECAN  
[72] TOMASI, ATILIO, IT  
[72] ZAMPIERI, MASSIMO, IT  
[72] BARBUGIAN, NATALE, IT  
[72] FORINO, ROMUALDO, IT  
[71] PHARMACIA ITALIA S.P.A., IT  
[85] 2004-08-31  
[86] 2003-02-26 (PCT/EP2003/001948)  
[87] 2003-09-12 (WO2003/074527)  
[30] US (60/360,684) 2002-03-01

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[21] 2,477,928  
[13] A1

[51] Int.Cl. 7H04R 9/06 7H05K 5/00  
7H04R 1/02 7H04R 1/20  
[25] EN  
[54] LOUDSPEAKER WITH SHAPED SOUND FIELD  
[54] HAUT-PARLEUR A CHAMP ACOUSTIQUE PONDÉRE  
[72] TCHILINGUIRIAN, JOHN, CA  
[72] WELKER, ANDREW, CA  
[71] AUDIO PRODUCTS INTERNATIONAL CORP., CA  
[85] 2004-08-31  
[86] 2003-03-04 (PCT/CA2003/000293)  
[87] 2003-09-12 (WO2003/075606)  
[30] US (60/361,355) 2002-03-05

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[21] 2,477,930  
[13] A1

[51] Int.Cl. 7H01M 8/06 7H01M 8/22  
[25] EN  
[54] SOLID OXIDE FUEL CELL  
[54] PILE A COMBUSTIBLE A OXYDE SOLIDE  
[72] AHMED, KHALIQ, AU  
[72] GOBLE, DEAN ANDREW, AU  
[71] CERAMIC FUEL CELLS LIMITED, AU  
[85] 2004-08-31  
[86] 2003-03-03 (PCT/AU2003/000264)  
[87] 2003-09-12 (WO2003/075388)  
[30] AU (PS 0875) 2002-03-04

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[21] 2,477,931  
[13] A1

[51] Int.Cl. 7C07D 231/14 7C07D 327/06  
7C07D 405/12 7C07D 409/12 7C07D 411/  
12 7C07D 417/12 7C07D 231/16 7A01N 43/  
32 7C07D 207/34 7A01N 43/36 7A01N 43/  
40 7C07D 277/56 7A01N 43/56 7A01N 43/  
78 7C07D 213/82  
[25] EN  
[54] O-CYCLOPROPYL-CARBOXANILIDES AND THEIR USE AS FUNGICIDES  
[54] O-CYCLOPROPYLE-CARBOXANILIDES ET LEUR UTILISATION COMME FONGICIDES  
[72] EHRENFREUND, JOSEF, CH  
[72] TOBLER, HANS, CH  
[72] WALTER, HARALD, CH  
[71] SYNGENTA PARTICIPATIONS AG, CH  
[85] 2004-08-31  
[86] 2003-02-21 (PCT/IB2003/000687)  
[87] 2003-09-12 (WO2003/074491)  
[30] GB (0205127.4) 2002-03-05  
[30] GB (0300705.1) 2003-01-13

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[21] 2,477,934  
[13] A1

[51] Int.Cl. 7A61M 31/00  
[25] EN  
[54] SAFETY TROCAR WITH PROGRESSIVE CUTTING TIP GUARDS AND GAS JET TISSUE DEFLECTOR  
[54] TROCART DE SECURITE EQUIPE DE PROTECTIONS PROGRESSIVES D'EMBOUTS DE COUPE ET D'UN DEFLECTEUR A JET DE GAZ POUR LES TISSUS  
[72] BLANCO, ERNESTO E., US  
[71] ERBLAN SURGICAL, INC., US  
[85] 2004-09-01  
[86] 2003-03-05 (PCT/US2003/005572)  
[87] 2003-09-18 (WO2003/075999)  
[30] US (10/092,560) 2002-03-08

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[21] 2,477,935  
[13] A1

[51] Int.Cl. 7A61K 51/00 7A61M 36/14  
[25] EN  
[54] MULTIVALENT CONSTRUCTS FOR THERAPEUTIC AND DIAGNOSTIC APPLICATIONS  
[54] PRODUITS DE SYNTHESE MULTIVALENTS POUR APPLICATIONS THERAPEUTIQUES ET DIAGNOSTIQUES  
[72] NUNN, ADRIAN, US  
[72] ARBOGAST, CHRISTOPHE, FR  
[72] PILLAI, RADHAKRISHNA, US  
[72] NANJAPPAN, PALANIAPPA, US  
[72] SONG, BO, US  
[72] SWENSON, ROLF E., US  
[72] VON WRONSKI, MATHEW A., US  
[72] WALKER, SHARON MICHELE, US  
[72] BUSSAT, PHILIPPE, FR  
[72] MARINELLI, EDMUND R., US  
[72] FAN, HANG, US  
[72] SHRIVASTAVA, AJAY, US  
[72] SATO, AARON, US  
[72] LINDER, KAREN E., US  
[72] RAMALINGAM, KONDAREDDIAR, US  
[72] POCHON, SYBILLE, CH  
[72] DRANSFIELD, DANIEL T., US  
[71] BRACCO INTERNATIONAL B.V., NL  
[71] DYAX CORP., US  
[85] 2004-08-30  
[86] 2003-03-03 (PCT/US2003/006656)  
[87] 2003-10-16 (WO2003/084574)  
[30] US (60/360,821) 2002-03-01  
[30] US (60/440,201) 2003-01-15

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[21] 2,477,939  
[13] A1

[51] Int.Cl. 7B01D 36/02  
[25] EN  
[54] MULTIPLE BARRIER FILTER APPARATUS  
[54] APPAREIL DE FILTRAGE A BARRIERE MULTIPLE  
[72] KINDEL, RON, US  
[72] WEIGHT, KEN, GB  
[72] PETERSON, PAUL, US  
[72] PARK, STUART, US  
[72] MILLER, JOHN, US  
[72] SKLAR, ERIC, US  
[72] BROWN, KEITH E., US  
[71] KINETICO INCORPORATED, US  
[85] 2004-09-01  
[86] 2003-03-04 (PCT/US2003/006419)  
[87] 2003-09-18 (WO2003/076044)  
[30] US (60/361,454) 2002-03-04  
[30] US (60/374,870) 2002-04-23

## PCT Applications Entering the National Phase

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[21] 2,477,942  
[13] A1

[51] Int.Cl. 7B27N 5/00 7B27N 3/18  
[25] EN  
[54] METHOD OF PRODUCING CORE COMPONENT, AND PRODUCT THEREOF  
[54] PROCEDE DE PRODUCTION D'UN COMPOSANT D'AME ET PRODUIT ASSOCIE  
[72] HARDWICK, GEOFFREY BRIAN, US  
[72] HILL, ALLEN RAY, US  
[72] WALSH, JOHN PETER, US  
[71] MASONITE CORPORATION, US  
[85] 2004-09-01  
[86] 2003-03-06 (PCT/US2003/006633)  
[87] 2003-09-18 (WO2003/076148)  
[30] US (10/091,725) 2002-03-06

[21] 2,477,945  
[13] A1

[51] Int.Cl. 7B32B 9/04 7B32B 18/00  
7C08L 83/00 7C08G 77/12 7C08G 77/20  
[25] EN  
[54] HYDROSILYLATION CURE OF SILICONE RESIN CONTAINING COLLOIDAL SILICA AND A PROCESS FOR PRODUCING THE SAME  
[54] DURCISSEMENT PAR HYDROSILYLATION D'UNE RESINE SILICONEE CONTENANT DE LA SILICE COLLOIDALE ET PROCEDE DE PRODUCTION  
[72] LI, ZHONGTAO, US  
[72] KERYK, JOHN R., US  
[72] BERGSTROM, DEBORA F., US  
[72] KWAN, KERMIT S., US  
[72] KATSOULIS, DIMITRIS E., US  
[72] ZHU, BIZHONG, US  
[72] MCGARRY, FREDERICK J., US  
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US  
[71] DOW CORNING CORPORATION, US  
[85] 2004-09-01  
[86] 2003-02-20 (PCT/US2003/005355)  
[87] 2003-09-18 (WO2003/076182)  
[30] US (10/091,685) 2002-03-05

[21] 2,477,946  
[13] A1

[51] Int.Cl. 7B01D 29/00 7B01D 15/00  
7B01D 39/00  
[25] EN  
[54] COMPOUND REMOVAL DEVICE  
[54] DISPOSITIF D'EXTRACTION DE COMPOSES  
[72] PAULEY, ROBIN G., US  
[72] STERNBERG, SHMUEL, US  
[71] BAXTER INTERNATIONAL INC., US  
[85] 2004-09-01  
[86] 2003-03-06 (PCT/US2003/006922)  
[87] 2003-09-25 (WO2003/078023)  
[30] US (60/364,289) 2002-03-14

[21] 2,477,948  
[13] A1

[51] Int.Cl. 7B05D 1/02 7B05D 3/02 7B32B 9/04 7B32B 27/04 7B05D 1/36  
[25] EN  
[54] SILICONE RESIN BASED COMPOSITES INTERLEAVED FOR IMPROVED TOUGHNESS  
[54] MATIERES COMPOSITES A BASE DE RESINE SILICONE ENTRELACES POUR AVOIR UNE RESISTANCE AMELIOREE  
[72] KATSOULIS, DIMITRIS E., US  
[72] MCGARRY, FREDERICK J., US  
[72] ZHU, BIZHONG, US  
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US  
[71] DOW CORNING CORPORATION, US  
[85] 2004-09-01  
[86] 2003-02-20 (PCT/US2003/005358)  
[87] 2003-09-25 (WO2003/078079)  
[30] US (10/095,506) 2002-03-12

[21] 2,477,949  
[13] A1

[51] Int.Cl. 7C07C 229/00  
[25] EN  
[54] COMPOSITIONS AND METHODS FOR INHIBITION OF PHOSPHOLIPASE A2 MEDiated INFLAMMATION  
[54] COMPOSITIONS ET METHODES D'INHIBITION D'INFLAMMATIONS INDUITES PAR LA PHOSPHOLIPASE A2  
[72] CONSTANTINOU-KOKOTOU, VIOLETTA, GR  
[72] KOKOTOS, GEORGE, GR  
[72] SIX, DAVID A., US  
[72] DENNIS, EDWARD, US  
[72] YAKSH, TONY, US  
[72] LUCAS, KARIN KILLERMANN, US  
[72] SVENSSON, CAMILLA, US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2004-09-01  
[86] 2003-03-07 (PCT/US2003/007076)  
[87] 2003-09-18 (WO2003/076389)  
[30] US (60/362,701) 2002-03-07

[21] 2,477,950  
[13] A1

[51] Int.Cl. 7D21H 23/10 7D21H 17/65  
[25] EN  
[54] IMPROVEMENTS TO PROCESSES FOR MANUFACTURING PAPER PRODUCTS BY IMPROVING THE PHYSICO-CHEMICAL BEHAVIOUR OF THE PAPER STOCK  
[54] AMELIORATIONS APPORTEES AUX PROCEDES DE FABRICATION DE PRODUITS EN PAPIER PAR AMELIORATION DU COMPORTEMENT PHYSICO-CHIMIQUE DE LA PATE A PAPIER  
[72] DE RIGAUD, JEAN-MATHIEU, FR  
[72] MUGUET, MICHEL, FR  
[71] L'AIR LIQUIDE SOCIETE ANNONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE P OUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR  
[85] 2004-08-31  
[86] 2003-03-03 (PCT/IB2003/000818)  
[87] 2003-09-12 (WO2003/074788)  
[30] FR (02/02880) 2002-03-07

## Demandes PCT entrant en phase nationale

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[21] 2,477,951  
[13] A1

[51] Int.Cl. 7A61C 1/08 7A61C 13/00  
[25] EN  
[54] MANUFACTURING A DENTAL IMPLANT DRILL GUIDE AND A DENTAL IMPLANT SUPERSTRUCTURE  
[54] FABRICATION D'UN GUIDE DE FORAGE D'IMPLANT DENTAIRE ET SUPERSTRUCTURE D'IMPLANT DENTAIRE  
[72] POIRIER, MICHEL, CA  
[71] TECHNIQUE D'USINAGE SINLAB INC., CA  
[85] 2004-09-01  
[86] 2003-02-05 (PCT/CA2003/000163)  
[87] 2003-09-12 (WO2003/073954)  
[30] US (10/086,893) 2002-03-04

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[21] 2,477,952  
[13] A1

[51] Int.Cl. 7C08L 101/00 7C09D 201/00  
7C08L 33/00 7C09D 5/02 7C08L 75/04  
7C09D 133/14 7C08L 61/20 7C08G 18/67  
[25] EN  
[54] EMULSION POLYMER RESIN COMPOSITION  
[54] COMPOSITION DE RESINE POLYMERIQUE EN EMULSION  
[72] KOBAYASHI, SHIDZUKA, JP  
[72] KODAMA, NAOKI, JP  
[72] TAKAHASHI, KUNIO, JP  
[71] NIPPON SHOKUBAI CO., LTD., JP  
[85] 2004-09-01  
[86] 2003-04-10 (PCT/JP2003/004541)  
[87] 2003-11-06 (WO2003/091341)  
[30] JP (2002-121091) 2002-04-23

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[21] 2,477,955  
[13] A1

[51] Int.Cl. 7G01B 11/04 7G01N 21/956  
[25] EN  
[54] ARRANGEMENT IN A MEASURING SYSTEM  
[54] DISPOSITIF ET SYSTEME DE MESURE DES CARACTERISTIQUES D'UN OBJET  
[72] JOHANNESSON, MATTIAS, SE  
[72] MURHED, ANDERS, SE  
[71] IVP INTEGRATED VISION PRODUCTS AB, SE  
[85] 2004-08-31  
[86] 2003-03-19 (PCT/SE2003/000461)  
[87] 2003-10-23 (WO2003/087713)  
[30] SE (0201044-5) 2002-04-05

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[21] 2,477,957  
[13] A1

[51] Int.Cl. 7A61F 2/16  
[25] EN  
[54] ACCOMMODATING INTRAOCULAR LENS WITH TEXTURED HAPTICS  
[54] LENTILLE INTRAOCULAIRE ADAPTABLE A PARTIES HAPTIQUES TEXTURES  
[72] LIAO, XIUGAO, US  
[71] STAAR SURGICAL COMPANY, US  
[85] 2004-08-31  
[86] 2003-03-26 (PCT/US2003/009449)  
[87] 2003-10-09 (WO2003/082147)  
[30] US (10/113,119) 2002-03-29

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[21] 2,477,958  
[13] A1

[51] Int.Cl. 7F16K 11/065  
[25] EN  
[54] A FLUID VALVE  
[54] SOUPAPE POUR FLUIDE  
[72] LASECKI, MIKE P., US  
[72] BADER, MARK, US  
[72] COUSINEAU, CORY, US  
[72] SHIVERSKI, STEVE, US  
[72] DEGRAVE, KEN A., US  
[71] ENGINEERED MACHINED PRODUCTS, INC., US  
[85] 2004-08-31  
[86] 2003-03-03 (PCT/US2003/006486)  
[87] 2003-09-12 (WO2003/074911)  
[30] US (60/360,751) 2002-03-01

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[21] 2,477,959  
[13] A1

[51] Int.Cl. 7B01J 27/053 7C10G 35/09  
7C10G 45/10  
[25] EN  
[54] HYDROGENATION DESULFURIZATION ISOMERIZATION CATALYST, PROCESS FOR PRODUCING THE SAME AND METHOD OF DESULFURIZATION ISOMERIZATION FOR SULFUROUS HYDROCARBON OIL  
[54] CATALYSEUR D'ISOMERISATION, DE DESULFURATION ET D'HYDROGENATION, PROCEDE DE PRODUCTION ASSOCIE ET PROCEDE D'ISOMERISATION ET DE DESULFURATION DESTINE A UNE HUILE D'HYDROCARBURE SULFUREUX  
[72] KAWAKAMI, TAKAHITO, JP  
[72] KIMURA, TAKAO, JP  
[72] WATANABE, KATSUYA, JP  
[72] BABA, KOJI, JP  
[71] COSMO OIL CO., LTD., JP  
[71] PETROLEUM ENERGY CENTER, JP  
[85] 2004-09-02  
[86] 2003-02-28 (PCT/JP2003/002369)  
[87] 2003-09-18 (WO2003/076071)  
[30] JP (2002-63395) 2002-03-08

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[21] 2,477,960  
[13] A1

[51] Int.Cl. 7H05H 15/00 7G21G 1/10  
[25] EN  
[54] METHOD AND DEVICE FOR COMPRESSING A SUBSTANCE BY IMPACT AND PLASMA CATHODE THERETO  
[54] PROCEDE ET DISPOSITIF DE COMPRESSION D'UNE SUBSTANCE PAR IMPACT ET CATHODE A PLASMA  
[72] ADAMENKO, STANISLAV VASILYEVICH, UA  
[71] ADAMENKO, STANISLAV VASILYEVICH, UA  
[71] LTD COMPANY "PROTON-21", UA  
[85] 2004-08-31  
[86] 2003-05-19 (PCT/UA2003/000015)  
[87] 2004-02-26 (WO2004/017685)  
[30] UA (2002086722) 2002-08-14

## PCT Applications Entering the National Phase

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**[21] 2,477,961**  
[13] A1

[51] Int.Cl. 7F41A 17/00  
[25] EN  
[54] FIREARM SAFETY SYSTEM  
[54] SYSTEME DE SECURITE D'ARME A FEU  
[72] HERZOG, RAANAN, IL  
[71] SPID 2002 CORP., US  
[85] 2004-08-31  
[86] 2002-03-01 (PCT/US2002/006368)  
[87] 2003-09-12 (WO2003/074960)

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**[21] 2,477,962**  
[13] A1

[51] Int.Cl. 7H04L 12/00 7H04L 12/24  
[25] EN  
[54] LOCATION AWARE DATA NETWORK  
[54] RESEAU DE DONNEES INFORMES DE LA LOCALISATION  
[72] GRAHAM, RICHARD W., US  
[72] GORSKY, JOHN-PAUL, US  
[72] HARRINGTON, DAVID, US  
[72] ROESE, JOHN J., US  
[72] DURAND, ROGER P., US  
[72] FRATTURA, DAVID, US  
[72] FEE, BRENDAN J., US  
[72] ALLEN, ANJA A., US  
[71] ENTERASYS NETWORKS, INC., US  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/US2003/006169)  
[87] 2003-09-12 (WO2003/075125)  
[30] US (60/361,419) 2002-03-01  
[30] US (60/361,421) 2002-03-01  
[30] US (60/361,420) 2002-03-01  
[30] US (60/361,380) 2002-03-01  
[30] US (60/387,331) 2002-06-10  
[30] US (60/387,330) 2002-06-10

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**[21] 2,477,963**  
[13] A1

[51] Int.Cl. 7G06F 1/04  
[25] EN  
[54] LOW JITTER CLOCK FOR A MULTI-GIGABIT TRANSCEIVER ON A FIELD PROGRAMMABLE GATE ARRAY  
[54] HORLOGE A FAIBLE GIGUE DESTINEE A UN EMETTEUR-RECEPTEUR MULTI-GIGABIT DANS UNE PORTE PROGRAMMABLE PAR L'UTILISATEUR  
[72] GHIA, ATUL V., US  
[72] COSTELLO, PHILIP D., US  
[72] BEKELE, ADEBAY M., US  
[72] VADI, VASISHT M., US  
[72] VERMA, HARE K., US  
[71] XILINX, INC., US  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/US2003/006238)  
[87] 2003-09-12 (WO2003/075138)  
[30] US (10/090,239) 2002-03-01

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**[21] 2,477,964**  
[13] A1

[51] Int.Cl. 7A61K 47/36 7A61K 47/02  
7A61K 47/04 7A61K 9/08 7A61K 47/32  
7A61K 47/34 7A61K 31/43 7A61K 31/496  
7A61K 31/545 7A61K 31/65 7A61K 31/7048  
[25] EN  
[54] LIQUID MATRIX TRANSFORMING ITS PHASE IN LIVING BODY AND ORAL LIQUID PREPARATION  
[54] MATRICE LIQUIDE SE TRANSFORMANT EN PHASE IN VIVO, ET PREPARATIONS LIQUIDES ORALES  
[72] YAMASAKI, KEIKO, JP  
[72] HAMAMOTO, HIDETOSHI, JP  
[72] YOKOYAMA, HIDEAKIRA, JP  
[72] FUJII, TAKERU, JP  
[72] HIRATA, AKIHIKO, JP  
[71] MEDRX CO., LTD., JP  
[85] 2004-09-02  
[86] 2003-03-03 (PCT/JP2003/002410)  
[87] 2003-09-12 (WO2003/074086)  
[30] JP (2002/57943) 2002-03-04

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**[21] 2,477,965**  
[13] A1

[51] Int.Cl. 7G01J 5/52 7H04N 17/00  
7H01Q 17/00 7H04N 3/09  
[25] EN  
[54] IMPROVEMENTS IN OR RELATING TO THE CALIBRATION OF INFRA RED CAMERAS  
[54] AMELIORATIONS APPORTEES A L'ETALONNAGE DE CAMERAS INFRAROUGES  
[72] WATSON, NORMAN FREDERICK, GB  
[72] MCGUIGAN, MICHAEL GRANT, GB  
[71] BAE SYSTEMS PLC, GB  
[85] 2004-09-01  
[86] 2003-03-04 (PCT/GB2003/000934)  
[87] 2003-09-18 (WO2003/076885)  
[30] GB (0205484.9) 2002-03-08

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**[21] 2,477,966**  
[13] A1

[51] Int.Cl. 7G06F 3/033 7A61F 4/00  
7G06F 3/00 7G06F 3/023  
[25] EN  
[54] INPUT APPARATUS FOR A COMPUTER SYSTEM  
[54] APPAREIL D'ENTREE POUR UN SYSTEME D'ORDINATEURS  
[72] WATLING, MICHAEL JOHN, NZ  
[71] WATLING, MICHAEL JOHN, NZ  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/NZ2003/000038)  
[87] 2003-09-12 (WO2003/075144)  
[30] NZ (517510) 2002-03-01

## Demandes PCT entrant en phase nationale

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[21] 2,477,967  
[13] A1

[51] Int.Cl. 7C07D 487/06 7A61P 25/08  
[25] EN  
[54] PURINE DERIVATIVES AS KINASE INHIBITORS  
[54] DERIVES DE LA PURINE EN TANT QU'INHIBITEURS DE LA KINASE  
[72] MENDEL, DAVID, US  
[72] ENGLER, THOMAS ALBERT, US  
[72] DIEFENBACHER, CLIVE GIDEON, US  
[72] BURKHOLDER, TIMOTHY PAUL, US  
[72] LI, YIHONG, US  
[72] REEL, JON KEVIN, US  
[72] CLAYTON, JOSHUA RYAN, US  
[72] MCLEAN, JOHNATHAN ALEXANDER, US  
[72] MARQUART, ANGELA LYNN, US  
[72] FURNESS, KELLY WAYNE, US  
[72] HENRY, JAMES ROBERT, US  
[72] MALHOTRA, SUSHANT, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2004-09-01  
[86] 2003-03-04 (PCT/US2003/005050)  
[87] 2003-09-18 (WO2003/076442)  
[30] US (60/362,245) 2002-03-05

[21] 2,477,968  
[13] A1

[51] Int.Cl. 7G05B 23/02 7G05B 17/02  
[25] EN  
[54] METHOD FOR ASSESSING THE INTEGRITY OF A STRUCTURE  
[54] PROCEDE PERMETTANT D'EVALUER L'INTEGRITE D'UNE STRUCTURE  
[72] CAMPBELL, ROBERT, GB  
[71] CAMPBELL, ROBERT, GB  
[85] 2004-09-01  
[86] 2003-03-03 (PCT/GB2003/000868)  
[87] 2003-09-12 (WO2003/075109)  
[30] GB (0204932.8) 2002-03-02

[21] 2,477,971  
[13] A1

[51] Int.Cl. 7B60R 22/00  
[25] EN  
[54] APPARATUS FOR LOCKING A LAP BELT PORTION ON A SEFATY BELT SYSTEM  
[54] APPAREIL DESTINE A ETRE UTILISE SUR UN SYSTEME DE CEINTURE DE SECURITE POUR LIMITER LE DEPLACEMENT D'UN OCCUPANT OU D'UN SIEGE POUR ENFANT  
[72] MATHER, BRUCE A., US  
[71] LAB BELT CINCH, INC., US  
[85] 2004-09-02  
[86] 2003-01-07 (PCT/US2003/000507)  
[87] 2003-09-25 (WO2003/078205)  
[30] US (60/364,882) 2002-03-14  
[30] US (10/219,563) 2002-08-15

[21] 2,477,972  
[13] A1

[51] Int.Cl. 7F02B 57/00 7F02B 75/32  
[25] EN  
[54] RECIPROCATING AND ROTARY INTERNAL COMBUSTION ENGINE, COMPRESSOR AND PUMP  
[54] MOTEUR A COMBUSTION INTERNE, COMPRESSEUR ET POMPE ALTERNATIFS ET ROTATIFS  
[72] VALLEJOS, TONY, US  
[71] VALLEJOS, TONY, US  
[85] 2004-09-03  
[86] 2003-02-06 (PCT/US2003/003713)  
[87] 2003-09-18 (WO2003/076777)  
[30] US (10/094,578) 2002-03-06

[21] 2,477,977  
[13] A1

[51] Int.Cl. 7B64C 3/38  
[25] EN  
[54] VARIABLE AREA WING AIRCRAFT AND METHOD  
[54] AERONEF A AILE A SUPERFICIE VARIABLE ET PROCEDE ASSOCIE  
[72] LEE, JOHN R., US  
[71] LEE, JOHN R., US  
[85] 2004-09-01  
[86] 2003-03-06 (PCT/US2003/006571)  
[87] 2003-09-18 (WO2003/076266)  
[30] US (10/090,616) 2002-03-06

[21] 2,477,979  
[13] A1

[51] Int.Cl. 7A61K 9/127 7A61K 9/12  
[7A61K 9/14 7A61K 9/16 7A61K 9/19  
[25] EN  
[54] AN INHALATION SYSTEM FOR PREVENTION AND TREATMENT OF INTRACELLULAR INFECTIONS  
[54] SYSTEME D'INHALATION POUR LE TRAITEMENT D'INFECTIONS INTRACELLULAIRES  
[72] SCOTTO, ANTHONY, US  
[72] MACKINSON, CONSTANCE, US  
[72] BONI, LAWRENCE, US  
[72] PORTNOFF, JOEL B., US  
[72] PILKIEWICZ, FRANK G., US  
[72] MILLER, BRIAN, US  
[72] WU, FANGJUN, US  
[71] TRANSAVE, INC., US  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/US2003/006846)  
[87] 2003-09-18 (WO2003/075889)  
[30] US (60/361,809) 2002-03-05

[21] 2,477,982  
[13] A1

[51] Int.Cl. 7A61K 9/127 7A61K 9/133  
[25] EN  
[54] METHODS FOR ENTRAPMENT OF BIOACTIVE AGENT IN A LIPOSOME OR LIPID COMPLEX  
[54] PROCEDES DE PIEGEAGE D'AGENT BIOACTIF DANS UN COMPLEXE DE LIPOSOMES OU DE LIPIDES  
[72] MILLER, BRIAN, US  
[72] WU, FANGJUN, US  
[72] BONI, LAWRENCE, US  
[71] TRANSAVE, INC., US  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/US2003/006847)  
[87] 2003-09-18 (WO2003/075890)  
[30] US (60/361,809) 2002-03-05

[21] 2,477,983  
[13] A1

[51] Int.Cl. 7G09F 3/10 7B32B 15/08  
[25] EN  
[54] METALLIZED PATCH LABELS  
[54] ETIQUETTES METALLISEES COUPEES A LA FORME  
[72] SQUIER, JOANN H., US  
[71] EXXONMOBIL OIL CORPORATION, US  
[85] 2004-09-01  
[86] 2003-02-28 (PCT/US2003/006126)  
[87] 2003-09-25 (WO2003/079316)  
[30] US (10/098,806) 2002-03-15  
[30] US (10/331,582) 2002-12-30

## PCT Applications Entering the National Phase

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[21] **2,477,984**  
[13] A1

[51] Int.Cl. 7C07D 401/14 7A61P 43/00  
7C07D 451/04 7C07D 471/04 7C07D 491/  
04 7C07D 405/14 7A61K 31/404  
[25] EN  
[54] PYRROLE-2, 5-DIONE  
DERIVATIVES AND THEIR USE AS  
GSK-3 INHIBITORS  
[54] INHIBITEURS DE KINASES  
[72] CONNER, SCOTT EUGENE, US  
[72] CUNNINGHAM, BRIAN EUGENE,  
US  
[72] ALBAUGH, PAMELA ANN, US  
[72] TEBBE, MARK JOSEPH, DE  
[72] ZHU, GUOXIN, US  
[72] ENGLER, THOMAS ALBERT, US  
[72] FURNESS, KELLY WAYNE, US  
[72] AMMENN, JOCHEN, DE  
[72] CLAYTON, JOSHUA RYAN, US  
[72] HENRY, JAMES ROBERT, US  
[72] LI, YIHONG, US  
[72] MALHOTRA, SUSHANT, US  
[72] BURKHOLDER, TIMOTHY PAUL,  
US  
[72] BERRIDGE, BRIAN RAYMOND, US  
[72] SULLIVAN, JOHN MORRIS, US  
[72] RUEGG, CHARLES EDWARD, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2004-09-01  
[86] 2003-03-05 (PCT/US2003/005052)  
[87] 2003-09-18 (WO2003/076398)  
[30] US (60/363,375) 2002-03-08  
[30] US (60/369,433) 2002-04-02

---

[21] **2,477,985**  
[13] A1

[51] Int.Cl. 7A61K 31/425 7A61K 48/00  
7A61P 25/00 7A61P 43/00 7A61P 25/28  
7A61K 31/365 7A61K 31/395 7G01N 33/  
566 7G01N 33/60 7G01N 33/68  
[25] EN  
[54] TIME-RESOLVED  
FLUORESCENCE ASSAY FOR THE  
DETECTION OF MULTIMERIC FORMS  
OF A-.BETA. OR OTHER  
AGGREGATING POLYPEPTIDES  
[54] ESSAI DE FLUORESCENCE A  
RESOLUTION TEMPORELLE POUR  
LA DETECTION DE FORMES  
MULTIMERIQUES DE POLYPEPTIDES  
A-.BETA. OU D'AUTRES  
POLYPEPTIDES AGREGANTS  
[72] PEACH, MATTHEW L., US  
[72] LABORDE, ALICE L., US  
[71] PHARMACIA & UPJOHN COMPANY  
LLC, US  
[85] 2004-08-31  
[86] 2003-04-28 (PCT/US2003/013066)  
[87] 2003-11-13 (WO2003/092684)  
[30] US (10/135,592) 2002-04-30

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[21] **2,477,987**  
[13] A1

[51] Int.Cl. 7H01S 5/00  
[25] EN  
[54] A LASER DIODE WITH AN  
AMPLIFICATION SECTION THAT HAS  
A VARYING INDEX OF REFRACTION  
[54] DIODE LASER COMPRENNANT  
UNE PARTIE D'AMPLIFICATION QUI  
PRESENTÉ UN INDICE DE  
REFRACTION VARIABLE  
[72] UNGAR, JEFFREY E., US  
[71] QUINTESSENCE PHOTONICS  
CORPORATION, US  
[85] 2004-09-03  
[86] 2003-03-04 (PCT/US2003/006875)  
[87] 2003-09-18 (WO2003/077387)  
[30] US (60/361,750) 2002-03-04  
[30] US (10/379,027) 2003-03-03

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[21] **2,477,988**  
[13] A1

[51] Int.Cl. 7B29C 51/30 7G01N 27/447  
[25] EN  
[54] APPARATUS FOR THE  
MANUFACTURE OF A DISPOSABLE  
ELECTROPHORESIS CASSETTE AND  
METHOD THEREOF  
[54] APPAREIL DE FABRICATION  
D'UNE PLAQUE  
D'ELECTROPHORESE JETABLE ET  
PROCEDE DE FABRICATION  
[72] ROY, DOMINIQUE, CA  
[72] SEVIGNY, PIERRE, CA  
[71] MIRADOR DNA DESIGN INC., CA  
[85] 2004-09-02  
[86] 2003-03-06 (PCT/CA2003/000312)  
[87] 2003-09-12 (WO2003/074257)  
[30] US (10/091,549) 2002-03-07

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[21] **2,477,989**  
[13] A1

[51] Int.Cl. 7H01S 5/00  
[25] EN  
[54] A LASER DIODE WITH A LOW  
ABSORPTION DIODE JUNCTION  
[54] DIODE LASER AVEC JONCTION  
PAR DIODE A FAIBLE ABSORPTION  
[72] UNGAR, JEFFREY E., US  
[71] QUINTESSENCE PHOTONICS  
CORPORATION, US  
[85] 2004-09-03  
[86] 2003-03-04 (PCT/US2003/006876)  
[87] 2003-09-18 (WO2003/077380)  
[30] US (60/361,785) 2002-03-04  
[30] US (10/378,723) 2003-03-03

[21] **2,477,992**  
[13] A1

[51] Int.Cl. 7B65D 30/20 7B65D 33/06  
7B65D 33/36  
[25] EN  
[54] STANDUP BAG AND METHOD OF  
MANUFACTURING SAME  
[54] SAC A MAINTIEN VERTICAL ET  
PROCEDE DE FABRICATION ASSOCIE  
[72] TANKERSLEY, JAMES I., US  
[71] HB CREATIVE, LLC, US  
[85] 2004-09-02  
[86] 2003-03-19 (PCT/US2003/008344)  
[87] 2003-10-02 (WO2003/080456)  
[30] US (10/104,413) 2002-03-21

---

[21] **2,477,995**  
[13] A1

[51] Int.Cl. 7G06F 17/30  
[25] EN  
[54] INFORMATION OBJECTS  
[54] OBJETS D'INFORMATION  
[72] KIM, DAI-KYU, AU  
[72] HAN, LOKE KWANG, SG  
[71] KIM, DAI-KYU, AU  
[71] HAN, LOKE KWANG, SG  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/AU2003/000259)  
[87] 2003-09-12 (WO2003/075172)  
[30] AU (PS 0862) 2002-03-06

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[21] **2,478,007**  
[13] A1

[51] Int.Cl. 7G06F 9/38 7G06F 12/08  
[25] EN  
[54] METHOD OF PREFETCHING  
DATA/INSTRUCTIONS RELATED TO  
EXTERNALLY TRIGGERED EVENTS  
[54] PROCEDE DE LECTURE  
ANTICIPEE DE DONNEES ET  
D'INSTRUCTIONS RELATIVES A DES  
EVENEMENTS DECLENCHES  
EXTERIEUREMENT  
[72] DOERING, ANDREAS, CH  
[71] INTERNATIONAL BUSINESS  
MACHINES CORPORATION, US  
[85] 2004-08-31  
[86] 2003-02-27 (PCT/EP2003/002923)  
[87] 2003-09-12 (WO2003/075154)  
[30] EP (02368022.6) 2002-03-05

## Demandes PCT entrant en phase nationale

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[21] **2,478,013**  
[13] A1

[51] Int.Cl. 7C25C 3/12 7C25C 3/08  
[25] EN  
[54] NON-CARBON ANODES FOR ALUMINIUM ELECTROWINNING AND OTHER OXIDATION RESISTANT COMPONENTS WITH SLURRY-APPLIED COATINGS  
[54] ANODES SANS CARBONE DESTINEES A L'EXTRACTION ELECTROLYTIQUE D'ALUMINIUM ET D'AUTRES COMPOSANTS RESISTANT A L'OXYDATION AVEC DES REVETEMENTS APPLIQUES EN SUSPENSION  
[72] DE NORA, VITTORIO, BS  
[72] NGUYEN, THINH T., CH  
[71] MOLTECH INVENT S.A., LU  
[85] 2004-08-31  
[86] 2003-04-15 (PCT/IB2003/001479)  
[87] 2003-10-23 (WO2003/087435)  
[30] IB (PCT/IB02/01239) 2002-04-16  
[30] IB (PCT/IB02/02973) 2002-07-23

[21] **2,478,017**  
[13] A1

[51] Int.Cl. 7A61K 45/06 7A61P 43/00  
7A61P 7/02 7A61P 13/12 7A61K 31/22  
7A61K 31/351 7A61K 31/40 7A61K 31/404  
7A61K 31/4418 7A61K 31/495 7A61K 31/519 7A61K 31/551  
[25] EN  
[54] REMEDIES FOR GLOMERULAR DISEASES  
[54] REMEDES CONTRE LES MALADIES GLOMERULAIRES  
[72] NAKAGAWA, TAKASHI, JP  
[72] ISUGE, MASAKO, JP  
[72] TOYOIZUMI, SAYAKA, JP  
[71] KOWA CO., LTD., JP  
[71] NISSAN CHEMICAL INDUSTRIES, LTD., JP  
[85] 2004-08-31  
[86] 2003-03-28 (PCT/JP2003/003995)  
[87] 2003-10-09 (WO2003/082338)  
[30] JP (2002-092238) 2002-03-28

[21] **2,478,018**  
[13] A1

[51] Int.Cl. 7C08L 23/08 7B60R 13/04  
[25] EN  
[54] MOLDING FOR AUTOMOBILE  
[54] PIECE MOULEE POUR VEHICULE AUTOMOBILE  
[72] TANAKA, MINORU, JP  
[72] MORIKAWA, AKIHIKO, JP  
[72] HAYAKAWA, TOSHIYUKI, JP  
[72] KANAE, KENTAROU, JP  
[71] JSR CORPORATION, JP  
[85] 2004-08-31  
[86] 2003-12-24 (PCT/JP2003/016631)  
[87] 2004-07-22 (WO2004/060992)  
[30] JP (2002-379678) 2002-12-27

[21] **2,478,019**  
[13] A1

[51] Int.Cl. 7E21B 31/12  
[25] EN  
[54] ARRANGEMENT IN A GRIPPER MECHANISM FOR A FREE PIPE/RODLIKE END PORTION OF A DOWNHOLE TOOL

[54] AGENCEMENT MONTE DANS UN MECANISME DE PREHENSION POUR UNE PARTIE D'EXTREMITE LIBRE EN FORME DE TUYAU/TIGE D'UN OUTIL DE FOND  
[72] BAKKE, STIG, NO  
[71] BAKKE TECHNOLOGY AS, NO  
[85] 2004-08-31  
[86] 2001-09-26 (PCT/NO2001/000392)  
[87] 2003-04-03 (WO2003/027434)

[21] **2,478,021**  
[13] A1

[51] Int.Cl. 7G06F 17/60  
[25] EN  
[54] SYSTEM AND METHOD FOR CONDUCTING WEB-BASED FINANCIAL TRANSACTIONS IN CAPITAL MARKETS  
[54] SYSTEME ET PROCEDE PERMETTANT D'EFFECTUER DES TRANSACTIONS FINANCIERES SUR LE WEB DANS DES MARCHES FINANCIERS

[72] SANDHU, HARPAL S., US  
[72] TOLAT, VIRAL V., US  
[72] REES, STEPHEN, GB  
[71] INTEGRAL DEVELOPMENT CORPORATION, US  
[85] 2004-08-31  
[86] 2002-03-22 (PCT/US2002/009106)  
[87] 2003-10-09 (WO2003/083602)

[21] **2,478,023**  
[13] A1

[51] Int.Cl. 7H04B 1/40 7G06F 15/78  
[25] EN  
[54] HIGH SPEED CONFIGURABLE TRANSCEIVER ARCHITECTURE  
[54] ARCHITECTURE D'EMETTEURS-RECEPTEURS RAPIDEMENT CONFIGURABLES  
[72] ASUNCION, SANTIAGO G., US  
[72] GHIA, ATUL V., US  
[72] CORY, WARREN E., US  
[72] MENON, SURESH M., US  
[72] COSTELLO, PHILIP D., US  
[72] BEKELE, ADEBABAY M., US  
[72] VADI, VASISHT M., US  
[72] VERMA, HARE K., US  
[72] SASAKI, PAUL T., US  
[72] FREIDIN, PHILIP M., US  
[71] XILINX, INC., US  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/US2003/006249)  
[87] 2003-09-12 (WO2003/075477)  
[30] US (10/090,250) 2002-03-01

[21] **2,478,025**  
[13] A1

[51] Int.Cl. 7A61B 8/08 7A61B 8/14 7G01S 15/89  
[25] EN  
[54] ELASTOGRAPHIC IMAGING OF SOFT TISSUE IN VIVO  
[54] MISE EN IMAGE ELASTOGRAPHIQUE IN VIVO DE TISSUS MOUS  
[72] CHEN, QUAN, US  
[72] VARGHESE, TOMY, US  
[72] TECHAVIPOO, UDOMCHAI, US  
[72] ZAGZEBSKI, JAMES A., US  
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US  
[85] 2004-09-02  
[86] 2003-02-14 (PCT/US2003/004413)  
[87] 2003-09-18 (WO2003/075771)  
[30] US (10/094,844) 2002-03-08

## PCT Applications Entering the National Phase

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[21] 2,478,026  
[13] A1

[51] Int.Cl. 7A61K 31/135  
[25] EN  
[54] METHODS FOR PREVENTING AND TREATING PERIPHERAL NEUROPATHY BY ADMINISTERING DESMETHYLSELEGILINE  
[54] PROCEDES DE PREVENTION ET DE TRAITEMENT DE LA NEUROPATHIE PERIPHERIQUE PAR ADMINISTRATION DE DESMETHYLSELEGILINE  
[72] BLUME, CHERYL D., US  
[72] DISANTO, ANTHONY R., US  
[71] SOMERSET PHARMACEUTICALS, INC., US  
[85] 2004-09-02  
[86] 2003-03-04 (PCT/US2003/006690)  
[87] 2003-09-18 (WO2003/075906)  
[30] US (60/361,609) 2002-03-04

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[21] 2,478,027  
[13] A1

[51] Int.Cl. 7B30B 9/30 7G06F 17/60  
[25] EN  
[54] A SYSTEM AND METHOD FOR VARIABLY ADJUSTING THE PICK-UP LEVEL OF ONE OR MORE WASTE COMPACTOR CONTAINERS  
[54] SYSTEME ET PROCEDE DESTINES A REGLER DE MANIERE VARIABLE LE NIVEAU DE RAMASSAGE D'UN OU DE PLUSIEURS CONTENEURS DE COMPACTAGE DE DECHETS  
[72] DURBIN, MARTIN J., US  
[72] SIMON, JAY S., US  
[71] ONE PLUS CORP., US  
[85] 2004-09-02  
[86] 2003-02-27 (PCT/US2003/005826)  
[87] 2003-09-18 (WO2003/076174)  
[30] US (10/090,244) 2002-03-04

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[21] 2,478,028  
[13] A1

[51] Int.Cl. 7C07D 401/12 7C07D 403/12 7C07D 417/12 7C07D 235/14 7C07D 401/14 7A61K 31/505  
[25] EN  
[54] BENZIMIDAZOLE-DERIVATIVES FOR THE TREATMENT OF SEXUAL DYSFUNCTION  
[54] DERIVES DE BENZIMIDAZOLE UTILISES POUR TRAITER UN DYSFONCTIONNEMENT SEXUEL  
[72] DAANEN, JEROME F., US  
[72] STEWART, ANDREW O., US  
[72] PATEL, MEENA V., US  
[72] BHATIA, PRAMILA A., US  
[72] ENGSTROM, KENNETH M., US  
[72] ROHDE, JEFFREY, US  
[72] COWART, MARLON D., US  
[72] BRIONI, JORGE D., US  
[72] KOLASA, TEODOZYJ, US  
[71] ABBOTT LABORATORIES, US  
[85] 2004-09-02  
[86] 2003-03-04 (PCT/US2003/006406)  
[87] 2003-09-18 (WO2003/076431)  
[30] US (10/094,265) 2002-03-08  
[30] US (10/236,812) 2002-09-06

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[21] 2,478,030  
[13] A1

[51] Int.Cl. 7A22B 7/00 7A22C 17/10  
[25] EN  
[54] METHOD AND SYSTEM FOR MONITORING THE PROCESSING OF ITEMS  
[54] PROCEDE ET SYSTEME DE SURVEILLANCE DU TRAITEMENT D'OBJETS  
[72] NIELSEN, ULRICH CARLIN, DK  
[71] SCANVAEGT INTERNATIONAL A/S, DK  
[85] 2004-08-31  
[86] 2003-03-18 (PCT/DK2003/000183)  
[87] 2003-09-25 (WO2003/077662)  
[30] DK (PA 2002 00423) 2002-03-18

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[21] 2,478,031  
[13] A1

[51] Int.Cl. 7G06F 9/46  
[25] EN  
[54] METHOD AND DEVICES FOR DYNAMIC MANAGEMENT OF A SERVER APPLICATION ON A SERVER PLATFORM  
[54] PROCEDE ET DISPOSITIFS POUR LA GESTION DYNAMIQUE D'APPLICATION DE SERVEUR SUR UNE PLATE-FORME DE SERVEUR  
[72] HUNDSCHEIDT, FRANK, NL  
[72] HAMELEERS, HEINO, NL  
[71] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE  
[85] 2004-08-31  
[86] 2002-03-25 (PCT/EP2002/003302)  
[87] 2003-10-02 (WO2003/081421)

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[21] 2,478,033  
[13] A1

[51] Int.Cl. 7C22B 34/24 7C22B 1/00 7C01G 35/00 7C22B 3/06  
[25] EN  
[54] METHODS TO REDUCE HYDROSULPHIDE AND ARSINE EMISSIONS DURING WET ORE PROCESSING  
[54] PROCEDES DESTINES A REDUIRE LES EMISSIONS DE SULFURE D'HYDROGENE ET D'ARSINE PENDANT UN TRAITEMENT DE MINERAIS PAR VOIE HUMIDE  
[72] HARD, ROBERT A., US  
[71] CABOT CORPORATION, US  
[85] 2004-09-02  
[86] 2003-03-03 (PCT/US2003/006432)  
[87] 2003-09-18 (WO2003/076671)  
[30] US (10/091,377) 2002-03-04

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[21] 2,478,034  
[13] A1

[51] Int.Cl. 7F15B 15/10 7F16J 3/02 7F16J 3/06  
[25] EN  
[54] PNEUMATIC ACTUATOR WITH DIAPHRAGMS HAVING ALIGNED FABRIC PATTERNS  
[54] ACTIONNEUR PNEUMATIQUE POURVU DE DIAPHRAGMES DONT LES MOTIFS TISSÉS SONT ALIGNÉS  
[72] BALL, LARRY K., US  
[71] HONEYWELL INTERNATIONAL, INC., US  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/US2003/006759)  
[87] 2003-09-18 (WO2003/076813)  
[30] US (60/362,228) 2002-03-06  
[30] US (10/247,193) 2002-09-19

## Demandes PCT entrant en phase nationale

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[21] **2,478,035**  
[13] A1

[51] Int.Cl. 7G01C 19/56 7H03K 3/014  
7G01P 9/04 7H03B 5/06  
[25] EN  
[54] NOISE SOURCE FOR STARTING  
MEMS GYROSCOPE  
[54] SOURCE DE BRUIT PERMETTANT  
DE DEMARRER UN GYROSCOPE A  
SYSTEME ELECTROMECANIQUE  
(MEMS)  
[72] PLATT, WILLIAM P., US  
[71] HONEYWELL INTERNATIONAL,  
INC., US  
[85] 2004-09-02  
[86] 2003-03-06 (PCT/US2003/006939)  
[87] 2003-09-18 (WO2003/076876)  
[30] US (10/092,819) 2002-03-07

[21] **2,478,038**  
[13] A1

[51] Int.Cl. 7B65D 5/74 7B31B 1/84  
[25] EN  
[54] RECLOSEABLE POURING  
ELEMENT  
[54] ELEMENT VERSEUR  
REFERMABLE  
[72] DAMMERS, MATTHIAS, DE  
[72] SPELTEN, FRANZ-WILLI, DE  
[72] JANSEN, HEINZ, DE  
[72] BERGER, JOERG, DE  
[71] SIG COMBIBLOC SYSTEMS GMBH,  
DE  
[85] 2004-08-31  
[86] 2002-12-31 (PCT/EP2002/014810)  
[87] 2003-10-02 (WO2003/080454)  
[30] DE (102 13 030.2) 2002-03-22

[21] **2,478,039**  
[13] A1

[51] Int.Cl. 7A22C 13/02  
[25] EN  
[54] HAND OPERATED SHIRRING  
MACHINE  
[54] MACHINE DE FRONCAGE A  
UTILISATION MANUELLE  
[72] MERCURI, ENNIO, AU  
[71] MEATECH PTY LTD., AU  
[85] 2004-09-02  
[86] 2003-03-04 (PCT/AU2003/000263)  
[87] 2003-09-12 (WO2003/073863)  
[30] AU (PS 0835) 2002-03-04

[21] **2,478,045**  
[13] A1

[51] Int.Cl. 7B60T 7/10  
[25] EN  
[54] BRAKE CONTROL DEVICE ON  
STEERING WHEEL  
[54] DISPOSITIF DE COMMANDE DE  
FREINAGE AU VOLANT  
[72] RANCOURT, YVON, CA  
[72] EL-HAOUARI, M'HAMED, CA  
[72] CONSTANS, ALAIN, CA  
[71] GROUP NEWTECH  
INTERNATIONAL INC., CA  
[85] 2004-09-02  
[86] 2002-03-04 (PCT/CA2002/000269)  
[87] 2002-09-12 (WO2002/070310)  
[30] CA (2,339,740) 2001-03-02

[21] **2,478,046**  
[13] A1

[51] Int.Cl. 7B60T 13/14 7F16D 55/00  
7B60T 8/32 7B60T 8/36 7B60T 8/40 7B60T  
8/52  
[25] EN  
[54] INTEGRATED DISK BRAKE  
ASSEMBLY  
[54] ENSEMBLE FREIN A DISQUE  
INTEGRE  
[72] CONSTANS, ALAIN, CA  
[71] GROUP NEWTECH  
INTERNATIONAL INC., CA  
[85] 2004-09-02  
[86] 2002-03-05 (PCT/CA2002/000270)  
[87] 2002-09-12 (WO2002/070316)  
[30] CA (2,339,343) 2001-03-05

[21] **2,478,048**  
[13] A1

[51] Int.Cl. 7C07C 233/18 7A61P 31/04  
7A61K 31/165  
[25] EN  
[54] NOVEL FLORFENICOL-TYPE  
ANTIBIOTICS  
[54] ANTIBIOTIQUES DE TYPE  
FLORFENICOL  
[72] BOOJAMRA, CONSTANTINE G., US  
[72] CHONG, LEE S., US  
[72] SHUSTER, DALE E., US  
[72] HECKER, SCOTT J., US  
[72] GLINKA, TOMASZ W., US  
[71] SCHERING-PLOUGH, LTD., CH  
[85] 2004-09-02  
[86] 2003-03-07 (PCT/IB2003/003140)  
[87] 2003-09-25 (WO2003/077828)  
[30] US (10/094,688) 2002-03-08

[21] **2,478,050**  
[13] A1

[51] Int.Cl. 7C07D 495/04 7A61P 35/00  
7A61K 31/4365  
[25] EN  
[54] INDOLYL-UREA DERIVATIVES  
OF THIENOPYRIDINES USEFUL AS  
ANTI-ANGIOGENIC AGENTS  
[54] DERIVES INDOLYL-UREE DE  
THIENOPYRIDINES UTILISES  
COMME AGENTS  
ANTIANGIOGENIQUES, ET LEURS  
METHODES D'UTILISATION  
[72] KANIA, ROBERT STEVEN, US  
[72] ZHOU, RU, US  
[72] ROMINES, WILLIAM HENRY III, US  
[72] LOU, JIHONG, US  
[72] CRIPPS, STEPHAN JAMES, US  
[72] HE, MINGYING, US  
[71] PFIZER INC., US  
[85] 2004-08-31  
[86] 2003-02-17 (PCT/IB2003/000740)  
[87] 2003-09-12 (WO2003/074529)  
[30] US (60/360,952) 2002-03-01

[21] **2,478,051**  
[13] A1

[51] Int.Cl. 7B60B 25/02 7B60B 23/00  
7B60B 3/16  
[25] EN  
[54] VEHICLE WHEEL  
[54] ROUE DE VEHICULE  
[72] AMAKI, KIYOSHI, JP  
[72] NISHIZAKA, TAKASHI, JP  
[72] MAKI, YUJI, JP  
[72] NISHIMOTO, TOSHIO, JP  
[72] SUZUKI, SHOJI, JP  
[72] YAMAGUCHI, ATSUKO, JP  
[72] HANDA, AKIO, JP  
[71] HONDA GIKEN KABUSHIKI  
KAISHA, JP  
[71] ZENIYA ALUMINUM  
ENGINEERING, LIMITED, JP  
[71] DAIDO KOGYO CO., LTD., JP  
[85] 2004-08-31  
[86] 2003-03-20 (PCT/JP2003/003416)  
[87] 2003-10-02 (WO2003/080368)  
[30] JP (2002/81702) 2002-03-22  
[30] JP (2002/298006) 2002-10-10

## PCT Applications Entering the National Phase

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**[21] 2,478,052**

[13] A1

[51] Int.Cl. 7B60N 2/00 7B60N 2/02 7B60R  
16/02  
[25] EN  
[54] POWER ACTUATED SEAT  
[54] SIEGE A REGLAGE ELECTRIQUE  
[72] RUMNEY, TIMOTHY JOHN, GB  
[71] MUIRHEAD AEROSPACE LIMITED, GB  
[85] 2004-09-03  
[86] 2002-10-29 (PCT/GB2002/004908)  
[87] 2003-05-08 (WO2003/037673)  
[30] US (60/335,508) 2001-10-31  
[30] GB (0203887.5) 2002-02-18

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**[21] 2,478,053**

[13] A1

[51] Int.Cl. 7A61B 19/08  
[25] EN  
[54] DRAPING PRODUCT HAVING AN ADHESIVE EDGE FOR SURGICAL INTERVENTIONS  
[54] DRAP CHIRURGICAL COMPRENANT UN BORD ADHESIF, DESTINE A ETRE UTILISE DANS DES INTERVENTIONS CHIRURGICALES  
[72] JOHANSSON, HELENA, SE  
[72] GELLERSTEDT, FREDRIK, SE  
[71] MOLNLYCKE HEALTH CARE AB, SE  
[85] 2004-08-31  
[86] 2003-03-17 (PCT/SE2003/000446)  
[87] 2003-10-02 (WO2003/079920)  
[30] SE (0200886-0) 2002-03-22

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**[21] 2,478,056**

[13] A1

[51] Int.Cl. 7B30B 9/30  
[25] EN  
[54] A SYSTEM AND METHOD FOR GRAPHICALLY PROVIDING/ ANALYZING OPERATIONAL COMPACTOR STATUS INFORMATION OF A WASTE COMPACTOR CONTAINER  
[54] SYSTEME ET PROCEDE PERMETTANT D'OBtenir/ ANALYSER GRAPHIQUEMENT DES INFORMATIONS RELATIVES A L'ETAT DE FONCTIONNEMENT D'UN CONTENEUR DE COMPACTEUR DE DECHETS  
[72] SIMON, JAY S., US  
[72] DURBIN, MARTIN J., US  
[71] ONE PLUS CORP., US  
[85] 2004-09-02  
[86] 2003-02-27 (PCT/US2003/005944)  
[87] 2003-09-25 (WO2003/078150)  
[30] US (10/095,859) 2002-03-12

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**[21] 2,478,057**

[13] A1

[51] Int.Cl. 7B65C 9/28 7B65C 3/00  
[25] EN  
[54] A LABEL APPLICATION DEVICE INCLUDING A PRESSURIZED AIR FLOW CONTROL ELEMENT  
[54] APPLICATEUR D'ETIQUETTE A ELEMENT DE COMMANDE DE FLUX D'AIR PRESSURISE  
[72] GOETZ, ROBERT R., US  
[71] FMC TECHNOLOGIES, INC., US  
[85] 2004-09-02  
[86] 2003-02-26 (PCT/US2003/005828)  
[87] 2003-09-25 (WO2003/078256)  
[30] US (10/099,241) 2002-03-15

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**[21] 2,478,060**

[13] A1

[51] Int.Cl. 7B08B 9/00 7A61L 2/00 7C23G 5/032  
[25] EN  
[54] METHOD FOR CLEANING HOLLOW TUBING AND FIBERS  
[54] PROCEDE DE NETTOYAGE DE FIBRES ET DE TUBES CREUX  
[72] LABIB, MOHAMED EMAM, US  
[72] TABANI, YACOOB, US  
[71] PRINCETON TRADE AND TECHNOLOGY, INC., US  
[85] 2004-09-03  
[86] 2003-03-04 (PCT/US2003/005051)  
[87] 2003-09-18 (WO2003/076089)  
[30] US (10/091,201) 2002-03-05

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**[21] 2,478,062**

[13] A1

[51] Int.Cl. 7C04B 11/028 7F27B 17/00 7B01F 3/06 7B01F 15/06 7F27D 3/08  
[25] EN  
[54] DEVICE FOR DRYING AND/OR FIRING GYPSUM  
[54] DISPOSITIF DE SECHAGE ET/OU CUISSON DE GYPSE  
[72] FALINOWER, CHARLES, FR  
[71] LAFAERGE PLATRES, FR  
[85] 2004-09-03  
[86] 2003-03-04 (PCT/FR2003/000692)  
[87] 2003-09-18 (WO2003/076356)  
[30] FR (02/02955) 2002-03-08

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**[21] 2,478,065**

[13] A1

[51] Int.Cl. 7C07D 313/00 7C07D 267/00 7A61P 29/00 7A61P 35/00 7C07D 491/04 7C07D 493/04 7A61P 19/04 7C07D 225/06 7A61P 11/06 7A61P 17/06 7A61P 37/06 7C07D 407/12 7A61P 17/16 7A61K 31/335 7A61K 31/36 7A61K 31/395  
[25] EN  
[54] MACROCYCLIC COMPOUNDS USEFUL AS PHARMACEUTICALS  
[54] COMPOSES MACROCYCLIQUES UTILES COMME PRODUITS PHARMACEUTIQUES  
[72] YAMAMOTO, SATOSHI, JP  
[72] YONEDA, NAOKI, JP  
[72] DU, HONG, US  
[72] GOTO, MASAKI, JP  
[72] TANAKA, ISAO, JP  
[72] HARMANGE, JEAN-CHRISTOPHE, US  
[72] WANG, JOHN (YUAN), US  
[72] KUBOI, YOSHIKAZU, JP  
[72] INOUE, ATSUSHI, JP  
[72] MIZUI, YOSHIHARU, JP  
[72] KIMURA, AKIFUMI, JP  
[72] MATSUSHIMA, TOMOHIRO, JP  
[72] LI, XIANG-YI, US  
[72] FUJITA, MASANORI, JP  
[72] LEMELIN, CHARLES-ANDRE, US  
[72] EGUCHI, YOSHIHITO, JP  
[72] KOTAKE, MAKOTO, JP  
[72] JIANG, YIMIN, US  
[72] CHIBA, KENICHI, JP  
[72] BOIVIN, ROCH, US  
[72] SPYVEE, MARK, US  
[72] KAWAI, TAKATOSHI, JP  
[72] KAWADA, MEGUMI, JP  
[72] SAKURAI, HIDEKI, JP  
[72] KAWAKAMI, YOSHIYUKI, JP  
[72] CHOW, JESSE, JP  
[72] GUSOVSKY, FABIAN, JP  
[72] SHIROTA, HIROSHI, JP  
[72] SHEN, YONG-CHUN, JP  
[72] MURAMOTO, KENZO, JP  
[71] EISAI CO. LTD., JP  
[85] 2004-09-03  
[86] 2003-03-07 (PCT/US2003/007377)  
[87] 2003-09-18 (WO2003/076424)  
[30] US (60/362,883) 2002-03-08  
[30] US (60/380,711) 2002-05-14

## Demandes PCT entrant en phase nationale

[21] 2,478,067  
[13] A1

[51] Int.Cl. 7C07C 7/13 7B01D 53/04  
7B01D 53/047 7C07C 11/06  
[25] EN  
[54] SEPARATION OF PROPYLENE FROM HYDROCARBON MIXTURES  
[54] SEPARATION DU PROPYLENE DE MELANGES D'HYDROCARBURES  
[72] SANTIESTEBAN, JOSE G., US  
[72] STROHMAIER, KARL G., US  
[72] DE MARTIN, GREGORY J., US  
[72] REYES, SEBASTIAN C., US  
[72] KRISHNAN, VENKATESAN V., US  
[72] SINFELT, JOHN H., US  
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/US2003/006030)  
[87] 2003-10-02 (WO2003/080548)  
[30] US (10/100,978) 2002-03-19

[21] 2,478,075  
[13] A1

[51] Int.Cl. 7F16L 55/10 7E03C 1/08  
7F16K 3/08  
[25] EN  
[54] FLOW RESTRICTOR  
[54] LIMITEUR DE DEBIT  
[72] OLIVER, STEPHEN, GB  
[71] JOHNSONDIVERSEY INC., US  
[85] 2004-08-31  
[86] 2003-03-04 (PCT/US2003/006454)  
[87] 2003-10-02 (WO2003/081116)  
[30] EP (02252050.6) 2002-03-21

[21] 2,478,076  
[13] A1

[51] Int.Cl. 7H05B 3/14 7H01C 17/065  
[25] EN  
[54] THICK FILM HEATER  
INTEGRATED WITH LOW  
TEMPERATURE COMPONENTS AND  
METHOD OF MAKING THE SAME  
[54] DISPOSITIF DE CHAUFFAGE A  
FILM EPAIS COMPRENANT DES  
COMPOSANTS DE BASSE  
TEMPERATURE ET PROCEDE DE  
FABRICATION ASSOCIE  
[72] LASKOWSKI, THOMAS M., US  
[72] STEINHAUSER, LOUIS P., US  
[72] LIN, HONGY, US  
[71] WATLOW ELECTRIC  
MANUFACTURING COMPANY, US  
[85] 2004-09-08  
[86] 2002-06-21 (PCT/US2002/019762)  
[87] 2003-01-03 (WO2003/001849)  
[30] US (09/681,891) 2001-06-21

[21] 2,478,077  
[13] A1

[51] Int.Cl. 7C04B 28/02 7C04B 18/08  
7C04B 22/12 7E21B 33/13 7C04B 18/14  
7C04B 24/16 7C04B 14/24  
[25] EN  
[54] LIGHTWEIGHT WELL CEMENT  
COMPOSITIONS AND METHODS  
[54] COMPOSITIONS DE CIMENT  
LEGER POUR PUITS ET PROCEDES  
ASSOCIES  
[72] NOIK, CHRISTINE, FR  
[72] VIJN, JAN, PIETER, NL  
[72] RIVEREAU, ALAIN, FR  
[72] DAO, BACH, NL  
[72] RAVI, KRISHNA M., US  
[71] HALLIBURTON ENERGY  
SERVICES, INC., US  
[71] INSTITUT FRANCAIS DU PETROLE,  
FR  
[85] 2004-09-02  
[86] 2002-03-06 (PCT/GB2002/001024)  
[87] 2003-09-12 (WO2003/074443)

[21] 2,478,078  
[13] A1

[51] Int.Cl. 7B66B 13/12 7B66B 13/22  
[25] EN  
[54] SHAFT MONITORING SYSTEM  
FOR AN ELEVATOR  
[54] SYSTEME DE CONTROLE DE  
CAGE DESTINE A UN ASCENSEUR  
[72] ANGST, PHILIPP, CH  
[72] DEPLAZES, ROMEO, CH  
[71] INVENTIO AG, CH  
[85] 2004-09-01  
[86] 2003-03-21 (PCT/CH2003/000182)  
[87] 2003-10-02 (WO2003/080495)  
[30] EP (02405242.5) 2002-03-27

[21] 2,478,079  
[13] A1

[51] Int.Cl. 7A61F 2/46  
[25] EN  
[54] INTRAMEDULLARY TRIAL  
FIXATION DEVICE  
[54] DISPOSITIF DE FIXATION DE  
GABARIT INTRAMEDULLAIRE  
[72] ELLIOTT, SCOTT, US  
[72] HUGHES, DEAN, US  
[72] SCIFERT, CHRISTOPHER, US  
[71] SMITH & NEPHEW, INC., US  
[85] 2004-09-03  
[86] 2003-03-04 (PCT/US2003/006739)  
[87] 2003-09-18 (WO2003/075806)  
[30] US (10/091,817) 2002-03-06

[21] 2,478,083  
[13] A1

[51] Int.Cl. 7A61B 6/00  
[25] EN  
[54] BIOSPECIFIC CONTRAST  
AGENTS  
[54] PRODUITS DE CONTRASTE  
BIOSPECIFIQUES  
[72] RICHARDS-KORTUM, REBECCA,  
US  
[72] ELLINGTON, ANDREW D., US  
[72] KORGEL, BRIAN A., US  
[72] SOKOLOV, KONSTANTIN, US  
[71] BOARD OF REGENTS, THE  
UNIVERSITY OF TEXAS, US  
[85] 2004-09-07  
[86] 2003-03-05 (PCT/US2003/006730)  
[87] 2003-09-18 (WO2003/075765)  
[30] US (60/361,924) 2002-03-05

[21] 2,478,084  
[13] A1

[51] Int.Cl. 7C08F 220/14 7C08F 265/06  
7C09J 4/06 7B32B 7/12 7C08J 5/12 7C08G  
59/50 7C08G 59/72  
[25] EN  
[54] ORGANOBORANE AMINE  
COMPLEX POLYMERIZATION  
INITIATORS AND POLYMERIZABLE  
COMPOSITIONS  
[54] INITIAUTEURS DE  
POLYMERISATION DU COMPLEXE  
ORGANOBORANE-AMINE ET  
COMPOSITIONS POLYMERISABLES  
[72] SONNENSCHEIN, MARK F., US  
[72] HARRINGTON, DANIEL R., US  
[72] WEBB, STEVEN P., US  
[72] WENDT, BENJAMIN L., US  
[71] DOW GLOBAL TECHNOLOGIES  
INC., US  
[85] 2004-08-31  
[86] 2003-03-03 (PCT/US2003/006444)  
[87] 2003-09-18 (WO2003/076485)  
[30] US (10/095,326) 2002-03-05

## PCT Applications Entering the National Phase

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**[21] 2,478,085**  
[13] A1

[51] Int.Cl. 7A61B 8/00  
[25] EN  
[54] AN INTUITIVE ULTRASONIC IMAGING SYSTEM AND RELATED METHOD THEREOF  
[54] SYSTEME D'IMAGERIE ULTRASONORE INTUITIF ET PROCEDE ASSOCIE  
[72] WALKER, WILLIAM F., US  
[72] HOSSACK, JOHN A., US  
[72] BLALOCK, TRAVIS N., US  
[71] UNIVERSITY OF VIRGINIA PATENT FOUNDATION, US  
[85] 2004-09-08  
[86] 2003-03-06 (PCT/US2003/006607)  
[87] 2003-09-18 (WO2003/075769)  
[30] US (60/362,763) 2002-03-08

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**[21] 2,478,087**  
[13] A1

[51] Int.Cl. 7C07D 493/08 7A61P 35/00  
7C07D 493/18 7A61K 31/439  
[25] EN  
[54] MICROTUBULE STABILIZING COMPOUNDS  
[54] COMPOSES STABILISATEURS DES MICROTUBULES  
[72] GHOSH, ARUN K., US  
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US  
[85] 2004-08-31  
[86] 2003-03-04 (PCT/US2003/006457)  
[87] 2003-09-18 (WO2003/076445)  
[30] US (60/362,499) 2002-03-07

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**[21] 2,478,088**  
[13] A1

[51] Int.Cl. 7G06T 17/00 7G06T 17/20  
[25] EN  
[54] ALGORITHM FOR ACCURATE THREE-DIMENSIONAL RECONSTRUCTION OF NON-LINEAR IMPLANTED MEDICAL DEVICES IN VIVO  
[54] ALGORITHME CONCU POUR LA RECONSTRUCTION TRIDIMENSIONNELLE PRECISE DE DISPOSITIFS NON LINEAIRES IMPLANTES IN VIVO  
[72] BAXTER, WILLIAM W., III, US  
[71] MEDTRONIC, INC., US  
[85] 2004-08-31  
[86] 2003-03-06 (PCT/US2003/006921)  
[87] 2003-09-18 (WO2003/077204)  
[30] US (60/362,534) 2002-03-07

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**[21] 2,478,090**  
[13] A1

[51] Int.Cl. 7A01N 43/653 7A01N 43/40  
7A01N 43/84  
[25] EN  
[54] FUNGICIDAL MIXTURES BASED ON PROTHIOCONAZOLE  
[54] MELANGES FONGICIDES A BASE DE PROTHIOCONAZOLE  
[72] AMMERMANN, EBERHARD, DE  
[72] SCHELBERGER, KLAUS, DE  
[72] SPADAFORA, V. JAMES, US  
[72] STIERL, REINHARD, DE  
[72] CHRISTEN, THOMAS, DE  
[72] STRATHMANN, SIEGFRIED, DE  
[72] LORENZ, GISELA, DE  
[71] BASF AKTIENGESELLSCHAFT, DE  
[85] 2004-08-30  
[86] 2003-02-26 (PCT/EP2003/001930)  
[87] 2003-09-12 (WO2003/073850)  
[30] DE (102 08 841.1) 2002-03-01

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**[21] 2,478,091**  
[13] A1

[51] Int.Cl. 7A61B 3/16 7A61B 8/06  
[25] EN  
[54] VASCULAR IMPEDANCE MEASUREMENT APPARATUS  
[54] APPAREIL DE MESURE DE L'IMPEDANCE VASCULAIRE  
[72] MCVEIGH, GARY EUGENE, GB  
[71] THE QUEEN'S UNIVERSITY OF BELFAST, GB  
[85] 2004-08-30  
[86] 2003-04-22 (PCT/GB2003/001729)  
[87] 2003-10-30 (WO2003/088829)  
[30] GB (0208945.6) 2002-04-19

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**[21] 2,478,092**  
[13] A1

[51] Int.Cl. 7D06M 15/277 7D06M 15/256  
7D06M 15/263 7D06M 15/27 7D06M 15/29  
[25] EN  
[54] TREATED POLY(TRIMETHYLENE TEREPHTHALATE) CARPETS  
[54] TAPIS DE POLY(TRIMETHYLENE TEREPHTHALATE) TRAITES  
[72] FRANCHINA, JUSTINE GABRIELLE, US  
[72] KURIAN, JOSEPH VARAPADAVIL, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2004-08-30  
[86] 2002-05-14 (PCT/US2002/018393)  
[87] 2003-10-09 (WO2003/083205)  
[30] US (10/099,373) 2002-03-13

---

**[21] 2,478,093**  
[13] A1

[51] Int.Cl. 7A61K 31/70 7A61K 31/7028  
[25] EN  
[54] GLYCURNAMIDES, GLYCOSIDES AND ORTHOESTER GLYCOSIDES OF FLUOXETINE, ANALOGS AND USES THEREOF  
[54] GLYCURNAMIDES, GLYCOSIDES ET GLYCOSIDES D'ORTHOESTER DE FLUOXETINE, ANALOGUES ET UTILISATION DE CEUX-CI  
[72] RAMANATHAN, HALASYA, US  
[72] HOLICK, MICHAEL F., US  
[71] A & D BIOSCIENCE, INC., US  
[85] 2004-08-30  
[86] 2003-02-27 (PCT/US2003/006061)  
[87] 2003-09-12 (WO2003/073988)  
[30] US (60/359,887) 2002-02-28

---

**[21] 2,478,095**  
[13] A1

[51] Int.Cl. 7C08K 5/00 7B32B 17/10  
7C08L 29/14 7C08J 5/18 7C08F 8/28  
[25] EN  
[54] LOW-COLOR PVB SHEET AND A PROCESS FOR MAKING SAME  
[54] FEUILLE DE PVB PEU COLOREE ET PROCEDE DE FABRICATION  
[72] RYMER, DONALD L., US  
[72] READ, NOLAN K., III, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2004-08-30  
[86] 2003-03-11 (PCT/US2003/007354)  
[87] 2004-03-04 (WO2004/018378)  
[30] US (60/363,943) 2002-03-12

---

**[21] 2,478,097**  
[13] A1

[51] Int.Cl. 7F16K 47/08  
[25] EN  
[54] NOISE REDUCTION DEVICE FOR FLUID FLOW SYSTEMS  
[54] DISPOSITIF DE REDUCTION DES BRUITS POUR SYSTEMES D'ECOULEMENT FLUIDIQUE  
[72] BOGER, HENRY W., US  
[71] DRESSER, INC., US  
[85] 2004-08-30  
[86] 2003-03-19 (PCT/US2003/008685)  
[87] 2003-10-09 (WO2003/083336)  
[30] US (10/104,447) 2002-03-22

## Demandes PCT entrant en phase nationale

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**[21] 2,478,098**

[13] A1

[51] Int.Cl. 7A01N 43/653 7A01N 55/10  
 [25] EN  
**[54] FUNGICIDAL MIXTURES BASED ON TRIAZOLES**  
**[54] MELANGES FONGICIDES A BASE DE TRIAZOLES**  
 [72] SCHELBERGER, KLAUS, DE  
 [72] STRATHMANN, SIEGFRIED, DE  
 [72] STIERL, REINHARD, DE  
 [72] AMMERMANN, EBERHARD, DE  
 [72] LORENZ, GISELA, DE  
 [72] CHRISTEN, THOMAS, DE  
 [72] SPADAFORA, V. JAMES, US  
 [71] BASF AKTIENGESELLSCHAFT, DE  
 [85] 2004-09-01  
 [86] 2003-03-04 (PCT/EP2003/002188)  
 [87] 2003-09-12 (WO2003/073851)  
 [30] DE (102 09 937.5) 2002-03-07

---

**[21] 2,478,099**

[13] A1

[51] Int.Cl. 7C07K 5/06 7A61K 38/04  
 [25] EN  
**[54] SELECTIVE DIPEPTIDE INHIBITORS OF KALLIKREIN**  
**[54] INHIBITEURS**  
 [72] EVANS, DAVID MICHAEL, GB  
 [71] FERRING B.V., NL  
 [85] 2004-09-03  
 [86] 2003-03-04 (PCT/GB2003/000908)  
 [87] 2003-09-18 (WO2003/076458)  
 [30] GB (0205527.5) 2002-03-08

---

**[21] 2,478,100**

[13] A1

[51] Int.Cl. 7C12M 1/02 7C12M 1/16  
 7A61L 27/38 7A61L 27/60  
 [25] EN  
**[54] APPARATUS FOR PREPARING A BIOCOMPATIBLE MATRIX**  
**[54] DISPOSITIF POUR REALISATION D'UNE MATRICE BIOCOMPATIBLE**  
 [72] BOYCE, STEVEN T., US  
 [71] UIVERSITY OF CINCINNATI, US  
 [71] SHRINERS HOSPITALS FOR CHILDREN, US  
 [85] 2004-09-03  
 [86] 2003-03-03 (PCT/US2003/006479)  
 [87] 2003-09-18 (WO2003/076562)  
 [30] US (10/091,849) 2002-03-06

---

**[21] 2,478,101**

[13] A1

[51] Int.Cl. 7A61K 47/10 7A61K 47/02  
 7A61P 3/06 7A61K 9/20 7A61K 31/22  
 7A61K 47/32 7A61K 47/36 7A61K 47/38  
 [25] EN  
**[54] INTRAORALLY RAPIDLY DISINTEGRABLE TABLETS**  
**[54] COMPRIMES INTRA-BUCCALES A DESINTEGRATION RAPIDE**  
 [72] SAITO, NAOHIRO, JP  
 [72] MORIMOTO, KIYOSHI, JP  
 [72] OHTA, MOTOHIRO, JP  
 [72] IWASE, YUJI, JP  
 [71] KYOWA HAKKO KOGYO CO. LTD., JP  
 [85] 2004-09-02  
 [86] 2003-03-06 (PCT/JP2003/002660)  
 [87] 2003-09-12 (WO2003/074085)  
 [30] JP (2002-60922) 2002-03-06

---

**[21] 2,478,103**

[13] A1

[51] Int.Cl. 7C01B 37/00 7C07B 41/00  
 7C07C 29/00 7C01B 39/08 7B01J 29/89  
 [25] EN  
**[54] TITANOSILICATE, PROCESS FOR ITS PRODUCTION, AND ITS USE IN PRODUCING OXIDIZED COMPOUND**  
**[54] SILICATE DE TITANE, PROCEDURE DE PRODUCTION ET UTILISATION DE CELUI-CI DANS LA PRODUCTION D'UN COMPOSE OXYDE**  
 [72] TATSUMI, TAKASHI, JP  
 [72] WU, PENG, JP  
 [72] TSUJI, KATSUYUKI, JP  
 [71] SHOWA DENKO K.K., JP  
 [85] 2004-09-02  
 [86] 2003-02-26 (PCT/JP2003/002154)  
 [87] 2003-09-12 (WO2003/074421)  
 [30] JP (2002-61541) 2002-03-07  
 [30] US (60/363,554) 2002-03-13  
 [30] JP (2003-26530) 2003-02-03  
 [30] JP (2003-36747) 2003-02-14

---

**[21] 2,478,107**

[13] A1

[51] Int.Cl. 7C12N 5/08 7A61P 17/02  
 7A61L 27/60  
 [25] EN  
**[54] SURGICAL DEVICE FOR SKIN THERAPY OR TESTING**  
**[54] DISPOSITIF CHIRURGICAL DESTINE A DES THERAPIES ET A DES TESTS CUTANES**  
 [72] BOYCE, STEVEN T., US  
 [71] UNIVERSITY OF CINCINNATI, US  
 [71] SHRINERS HOSPITALS FOR CHILDREN, US  
 [85] 2004-09-03  
 [86] 2003-03-03 (PCT/US2003/006584)  
 [87] 2003-09-18 (WO2003/076604)  
 [30] US (10/092,237) 2002-03-06

---

**[21] 2,478,108**

[13] A1

[51] Int.Cl. 7F01B 29/10  
 [25] EN  
**[54] STIRLING ENGINE HAVING PLATELET HEAT EXCHANGING ELEMENTS**  
**[54] MOTEUR STIRLING COMPRENANT DES ELEMENT D'ECHANGE THERMIQUES A LAMELLES**  
 [72] HEWITT, ROSS A., US  
 [72] CHEN, FELIX F., US  
 [72] GRIMES, JOHN L., US  
 [72] HESTEVIK, SVEIN, US  
 [72] KLAAS, KENNETH P., US  
 [72] ITO, JACKSON I., US  
 [72] MACEDA, JOSEPH P., US  
 [72] PEETERS, RANDALL L., US  
 [71] OCEAN POWER CORPORATION, US  
 [85] 2004-09-03  
 [86] 2003-01-13 (PCT/US2003/000019)  
 [87] 2003-09-18 (WO2003/076766)  
 [30] US (10/090,673) 2002-03-04  
 [30] US (10/339,066) 2003-01-08

## PCT Applications Entering the National Phase

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**[21] 2,478,109**  
[13] A1

[51] Int.Cl. 7H01L 31/18 7H01L 31/02  
7H01L 31/0224  
[25] EN  
[54] PROCESS FOR MANUFACTURING A SOLAR CELL UNIT USING A TEMPORARY SUBSTRATE  
[54] PROCEDE DE FABRICATION D'UNE UNITE DE CELLULE SOLAIRE A L'AIDE D'UN SUBSTRAT PROVISOIRE  
[72] SCHROPP, RUDOLF EMMANUEL ISIDORE, NL  
[72] PETERS, PAULUS MARINUS GEZINA MARIA, NL  
[72] MIDDELMAN, ERIK, NL  
[71] AKZO NOBEL N.V., NL  
[85] 2004-09-02  
[86] 2003-03-03 (PCT/EP2003/002218)  
[87] 2003-09-12 (WO2003/075351)  
[30] EP (02075893.4) 2002-03-05  
[30] US (60/365,841) 2002-03-20

---

**[21] 2,478,112**  
[13] A1

[51] Int.Cl. 7G01N 30/26 7G01N 33/497  
7G01N 30/88  
[25] EN  
[54] GAS CHROMATOGRAPH AND EXPIRED AIR COMPONENT ANALYZER  
[54] CHROMATOGRAPHE EN PHASE GAZEUSE ET ANALYSEUR DE COMPOSANT D'AIR EXPIRE  
[72] KODA, HIROSHI, JP  
[72] ONAGA, KAZUO, JP  
[72] KIYOSHI, NORIKO, JP  
[72] SUGIMURA, MARIKO, JP  
[72] YANAGITANI, JUNKO, JP  
[72] TANAKA, KATSUYUKI, JP  
[71] FIS INC., JP  
[85] 2004-09-01  
[86] 2003-02-20 (PCT/JP2003/001891)  
[87] 2003-09-12 (WO2003/075001)  
[30] JP (2002-57885) 2002-03-04

---

**[21] 2,478,115**  
[13] A1

[51] Int.Cl. 7A61F 5/00  
[25] EN  
[54] APPARATUS AND METHOD FOR STABILIZING PELVIC RING DISRUPTION  
[54] APPAREIL ET PROCEDE DE STABILISATION D'UNE FRACTURE DU BASSIN  
[72] KRIEG, JAMES C., US  
[72] LONG, WILLIAM B., US  
[72] BOTTLANG, MICHAEL, US  
[72] MADEY, STEVEN M., US  
[71] LEGACY EMANUEL HOSPITAL AND MEDICAL HEALTH CENTER, US  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/US2003/006612)  
[87] 2003-09-18 (WO2003/075743)  
[30] US (60/362,036) 2002-03-05

---

**[21] 2,478,119**  
[13] A1

[51] Int.Cl. 7C10L 1/08  
[25] EN  
[54] DIESEL FUEL FORMULATION FOR REDUCED EMISSIONS  
[54] FORMULATION DE GAZOLE PERMETTANT DE REDUIRE LES EMISSIONS GAZEUSES  
[72] WEISSMAN, WALTER, US  
[72] SASAKI, SHIZUO, JP  
[72] FARRELL, JOHN T., US  
[72] NAKAKITA, KIYOMI, JP  
[72] AKIHAMA, KAZUHIRO, JP  
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[85] 2004-09-02  
[86] 2003-03-21 (PCT/US2003/008585)  
[87] 2003-10-09 (WO2003/083016)  
[30] US (60/366,943) 2002-03-22  
[30] US (10/393,167) 2003-03-20

---

**[21] 2,478,120**  
[13] A1

[51] Int.Cl. 7A61K 48/00 7A61K 49/14  
7A61K 49/18  
[25] EN  
[54] CONTRAST AGENTS FOR MAGNETIC RESONANCE IMAGING AND METHODS RELATED THERETO  
[54] AGENTS DE CONTRASTE POUR IMAGERIE PAR RESONANCE MAGNETIQUE ET PROCEDES ASSOCIES  
[72] AHRENS, ERIC T., US  
[71] CARNEGIE MELLON UNIVERSITY, US  
[85] 2004-09-03  
[86] 2003-03-07 (PCT/US2003/007018)  
[87] 2003-09-18 (WO2003/075747)  
[30] US (60/363,163) 2002-03-07

---

**[21] 2,478,121**  
[13] A1

[51] Int.Cl. 7A61K 9/14 7A61K 9/22  
7A61K 9/24 7A61K 9/28 7A61K 9/48  
[25] EN  
[54] ANTIBIOTIC COMPOSITION  
[54] COMPOSITION ANTIBIOTIQUE  
[72] ISBISTER, JAMES D., US  
[72] RUDNIC, EDWARD M., US  
[72] TREACY, DONALD J., JR., US  
[72] WASSINK, SANDRA E., US  
[71] ADVANCIS PHARMACEUTICALS CORPORATION, US  
[85] 2004-09-03  
[86] 2003-03-07 (PCT/US2003/007118)  
[87] 2003-09-18 (WO2003/075852)  
[30] US (10/092,811) 2002-03-07  
[30] US (10/092,854) 2002-03-07  
[30] US (10/092,858) 2002-03-07  
[30] US (10/093,214) 2002-03-07  
[30] US (10/093,321) 2002-03-07

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**[21] 2,478,128**  
[13] A1

[51] Int.Cl. 7H04L 29/06 7H04L 12/24  
[25] EN  
[54] METHOD AND SYSTEM FOR A NETWORK MANAGEMENT CONSOLE  
[54] PROCEDE ET SYSTEME POUR CONSOLE DE GESTION DE RESEAU  
[72] SLAVITCH, MICHAEL, CA  
[72] SCHENKEL, DAVID, CA  
[72] RAMASWAMY, ARVIND, CA  
[71] PEREGRINE SYSTEMS, INC., US  
[85] 2004-09-03  
[86] 2003-03-06 (PCT/CA2003/000307)  
[87] 2003-09-12 (WO2003/075531)  
[30] US (60/361,709) 2002-03-06

## Demandes PCT entrant en phase nationale

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**[21] 2,478,142**  
[13] A1

[51] Int.Cl. 7C03C 17/00 7C23C 28/00  
7C03C 17/34 7C03C 17/36 7C04B 41/85  
[25] EN  
[54] SOL-GEL DERIVED RESISTIVE AND CONDUCTIVE COATING  
[54] REVETEMENT RESISTANT ET CONDUCTEUR DERIVE SOL-GEL  
[72] BARROW, MARK, CA  
[72] BARROW, DAVID, CA  
[72]OLDING, TIM, CA  
[71] DATEC COATING CORPORATION, CA  
[85] 2004-08-31  
[86] 2002-03-06 (PCT/CA2002/000296)  
[87] 2002-09-19 (WO2002/072495)  
[30] US (60/274,218) 2001-03-09

---

**[21] 2,478,149**  
[13] A1

[51] Int.Cl. 7C07D 457/04 7C07D 457/06  
[25] EN  
[54] PROCESS FOR PREPARING CRYSTALLINE FORM I OF CABERGOLINE  
[54] PROCEDE DE PREPARATION D'UNE FORME I CRISTALLINE DE CABERGOLINE  
[72] SHEIKH, AHMAD Y., US  
[71] PHARMACIA CORPORATION, US  
[85] 2004-08-31  
[86] 2003-03-10 (PCT/US2003/007138)  
[87] 2003-09-25 (WO2003/078392)  
[30] US (60/364,567) 2002-03-15  
[30] US (60/410,253) 2002-09-12

---

**[21] 2,478,169**  
[13] A1

[51] Int.Cl. 7C07H 21/04 7C07K 16/00  
7C12N 15/63 7C12N 15/85 7C12N 15/86  
[25] EN  
[54] HUMAN ANTIBODIES SPECIFIC TO KDR AND USES THEREOF  
[54] ANTICORPS HUMAINS SPECIFIQUES DE KDR ET LEURS UTILISATIONS  
[72] ZHU, ZHENPING, US  
[71] IMCLONE SYSTEMS INCORPORATED, US  
[85] 2004-09-03  
[86] 2003-03-04 (PCT/US2003/006459)  
[87] 2003-09-18 (WO2003/075840)  
[30] US (60/361,783) 2002-03-04

---

**[21] 2,478,184**  
[13] A1

[51] Int.Cl. 7A61K 31/16 7A61K 31/18  
7A61K 31/35 7A61K 31/40 7A61K 31/405  
7A61K 31/435  
[25] EN  
[54] DRUG COMBINATION THERAPY  
[54] THERAPIE PAR ASSOCIATION DE MEDICAMENTS  
[72] CAI, TIAN-QUAN, US  
[72] CHAO, YU-SHENG, US  
[71] MERCK & CO., INC., US  
[85] 2004-09-07  
[86] 2003-03-07 (PCT/US2003/007038)  
[87] 2003-09-25 (WO2003/077896)  
[30] US (60/363,442) 2002-03-12

---

**[21] 2,478,186**  
[13] A1

[51] Int.Cl. 7A61K 31/473 7C07D 221/18  
[25] EN  
[54] FLUORINATED 4-AZASTEROID DERIVATIVES AS ANDROGEN RECEPTOR MODULATORS  
[54] DERIVES DE 4-AZASTEROIDE FLUORE EN TANT QUE MODULATEUR DE RECEPTEUR ANDROGENIQUE  
[72] MEISSNER, ROBERT S., US  
[72] PERKINS, JAMES J., US  
[71] MERCK & CO., INC., US  
[85] 2004-09-07  
[86] 2003-03-07 (PCT/US2003/008277)  
[87] 2003-09-25 (WO2003/077919)  
[30] US (60/363,822) 2002-03-13

---

**[21] 2,478,194**  
[13] A1

[51] Int.Cl. 7A61K 31/565 7A61K 31/57  
[25] EN  
[54] CONTINUOUS SULFATASE INHIBITING PROGESTOGEN HORMONE REPLACEMENT THERAPY  
[54] TRAITEMENT HORMONAL SUBSTITUTIF CONTINU PAR PROGESTOGENE INHIBANT LA SULFATASE  
[72] CAUBEL, PATRICK MICHEL, US  
[72] FRIEDMAN, ANDREW JOSEPH, US  
[71] JANSSEN PHARMACEUTICA N.V., BE  
[85] 2004-09-07  
[86] 2003-03-11 (PCT/US2003/007452)  
[87] 2003-09-25 (WO2003/077924)  
[30] US (60/363,148) 2002-03-11  
[30] US (60/381,541) 2002-05-17

---

**[21] 2,478,199**  
[13] A1

[51] Int.Cl. 7B65D 65/02 7B65D 1/00  
7B65D 23/02 7B65D 81/24  
[25] EN  
[54] CONTAINER PREPARED FROM POLYETHYLENE TEREPHTHALATE RESIN  
[54] RECIPIENT PREPARE A PARTIR DE RESINE DE POLYETHYLENE TEREPHTHALATE  
[72] KOSHIO, SHUICHI, JP  
[72] IMAI, TOSHIRO, JP  
[72] KOJIMA, NAOYUKI, JP  
[72] ENJOJI, TARO, JP  
[72] YAMAZAKI, HIROHISA, JP  
[71] YOSHINO KOGYOSHO CO., LTD., JP  
[85] 2004-09-01  
[86] 2003-03-28 (PCT/JP2003/003942)  
[87] 2003-10-09 (WO2003/082697)  
[30] JP (2002-90094) 2002-03-28

---

**[21] 2,478,201**  
[13] A1

[51] Int.Cl. 7G01V 1/22  
[25] EN  
[54] SEISMIC DATA ACQUISITION SYSTEM  
[54] SYSTEME D'ACQUISITION DE DONNEES SISMIQUES  
[72] CHAMBERLAIN, DONALD G., CA  
[71] GEO-X SYSTEMS LTD., CA  
[85] 2004-09-01  
[86] 2003-06-03 (PCT/CA2003/000782)  
[87] 2003-12-11 (WO2003/102531)  
[30] US (10/162,243) 2002-06-04

---

**[21] 2,478,206**  
[13] A1

[51] Int.Cl. 7A61K 31/565 7A61K 9/00  
7A61P 15/18 7A61K 31/57 7A61K 9/70  
[25] EN  
[54] SULFATASE INHIBITING CONTINUOUS PROGESTOGEN CONTRACEPTIVE REGIMENS  
[54] REGIME CONTRACEPTIF CONTINU A BASE DE PROGESTOGENE INHIBITEUR DE LA SULFATASE  
[72] CAUBEL, PATRICK MICHEL, US  
[72] FRIEDMAN, ANDREW JOSEPH, US  
[71] JANSSEN PHARMACEUTICA N.V., BE  
[85] 2004-09-07  
[86] 2003-03-11 (PCT/US2003/007525)  
[87] 2003-09-25 (WO2003/077925)  
[30] US (60/363,190) 2002-03-11  
[30] US (60/381,445) 2002-05-17

## PCT Applications Entering the National Phase

**[21] 2,478,207**  
[13] A1

[51] Int.Cl. 7B01D 59/00  
 [25] EN  
**[54] A SEPARATION METHOD AND SEPARATION APPARATUS OF ISOTOPES FROM GASEOUS SUBSTANCES**  
**[54] PROCEDE ET APPAREIL DE SEPARATION D'ISOTOPES A PARTIR DE SUBSTANCES GAZEUSES**  
 [72] INOMATA, KIYOTO, JP  
 [72] HORI, KAZUHIDE, JP  
 [72] MIKAMI, NAOTO, JP  
 [72] KOHNO, TADASHI, JP  
 [71] TOKYO GAS CO. LTD., JP  
 [85] 2004-09-03  
 [86] 2003-03-07 (PCT/JP2003/002745)  
 [87] 2003-09-18 (WO2003/076053)  
 [30] JP (2002-64536) 2002-03-08

**[21] 2,478,210**  
[13] A1

[51] Int.Cl. 7H01M 8/04 7C23F 13/02  
 [25] EN  
**[54] METHOD FOR INERTING THE ANODES OF FUEL CELLS**  
**[54] PROCEDE D'INERTISATION DES ANODES DE PILES A COMBUSTIBLE**  
 [72] BEDNARZ, MARC, DE  
 [72] WOSKI, MICHAEL, DE  
 [71] MTU CFC SOLUTIONS GMBH, DE  
 [85] 2004-09-01  
 [86] 2003-02-25 (PCT/EP2003/001888)  
 [87] 2003-09-12 (WO2003/075381)  
 [30] DE (102 09 309.1) 2002-03-02

**[21] 2,478,211**  
[13] A1

[51] Int.Cl. 7C07C 49/753 7A61P 25/00  
**7C07D 235/02 7A61P 3/04 7A61P 1/08**  
**7C07C 237/10 7A61P 13/10 7C07D 205/12**  
**7C07D 249/12 7A61K 31/122 7A61K 31/13**  
**7C07C 237/14 7A61P 11/14 7A61K 31/15**  
**7A61K 31/165 7A61K 31/17 7C07C 43/178**  
**7C07D 295/18 7A61K 31/195 7A61K 31/197**  
**7C07D 295/20 7C07C 271/22 7C07C 233/23**  
**7C07C 237/24 7C07C 275/26**  
**7C07D 207/26 7C07C 271/34 7C07D 265/34**  
**7C07C 251/36 7C07C 251/38 7C07D 241/38**  
**7A61K 31/416 7A61K 31/423**  
**7C07C 229/48 7C07C 217/52 7C07D 263/52**  
**7C07C 217/54**

[25] EN  
**[54] NK1 ANTAGONISTS**

[54] ANTAGONISTES DE NK1  
 [72] SHIH, NENG-YANG, US  
 [72] REICHARD, GREGORY A., US  
 [72] WROBLESKI, MICHELLE LACI, US  
 [72] XIAO, DONG, US  
 [71] SCHERING CORPORATION, US  
 [85] 2004-09-07  
 [86] 2003-03-12 (PCT/US2003/007633)  
 [87] 2003-09-25 (WO2003/078376)  
 [30] US (60/363,761) 2002-03-13

**[21] 2,478,213**  
[13] A1

[51] Int.Cl. 7H02N 1/00 7G02B 26/08

**7G02B 26/10**

[25] EN  
**[54] METHOD AND APPARATUS FOR ACTUATION OF A TWO-AXIS MEMS DEVICE USING THREE ACTUATION ELEMENTS**

[54] PROCEDE ET APPAREIL PERMETTANT D'ACTIONNER UN DISPOSITIF  
**MICROELECTROMECANIQUE BIAXIAL AU MOYEN DE TROIS ELEMENTS D'ACTIONNEMENT**  
 [72] FERNANDEZ, ANDRES, US  
 [72] DICKSON, WILLIAM, C., US  
 [71] GLIMMERGLASS NETWORKS, INC., US  
 [85] 2004-09-03  
 [86] 2003-03-03 (PCT/US2003/006512)  
 [87] 2003-09-18 (WO2003/076977)  
 [30] US (10/093,318) 2002-03-06

**[21] 2,478,214**  
[13] A1

[51] Int.Cl. 7G06F 17/60  
 [25] EN  
**[54] ELECTRONIC TRANSFER SYSTEM**  
**[54] SYSTEME DE TRANSFERT ELECTRONIQUE**  
 [72] ONG, YONG KIN (MICHAEL), AU  
 [71] CREATIVE ON-LINE TECHNOLOGIES LIMITED, AU  
 [85] 2004-09-03  
 [86] 2003-02-28 (PCT/AU2003/000255)  
 [87] 2003-09-12 (WO2003/075192)  
 [30] AU (PS 0876) 2002-03-04

**[21] 2,478,219**  
[13] A1

[51] Int.Cl. 7G10L 15/26 7G07F 19/00  
 [25] EN  
**[54] METHOD AND APPARATUS FOR CASHLESS TRANSACTIONS VIA A TELECOMMUNICATIONS NETWORK**  
**[54] PROCEDE ET DISPOSITIF SERVANT A REALISER DES TRANSACTIONS ELECTRONIQUES PAR UN RESEAU DE TELECOMMUNICATION**  
 [72] WILLIAMS, ADRIAN, GB  
 [72] TAYLOR, STEPHEN, GB  
 [72] CAVANAGH, JOHN, GB  
 [72] HARRISON, DAVID WILLIAM, GB  
 [71] MARCONI UK INTELLECTUAL PROPERTY LIMITED, GB  
 [85] 2004-09-03  
 [86] 2003-03-03 (PCT/GB2003/000872)  
 [87] 2003-09-12 (WO2003/075229)  
 [30] GB (0205104.3) 2002-03-05

## Demandes PCT entrant en phase nationale

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[21] 2,478,221  
[13] A1

[51] Int.Cl. 7G06F 17/00  
[25] EN  
[54] SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR ON-LINE TRAVEL AND EXPENSE MANAGEMENT  
[54] SYSTEME, PROCEDE ET PRODUIT DE PROGRAMME INFORMATIQUE POUR UNE GESTION EN LIGNE DE VOYAGES ET DE COUT  
[72] CANTRELL, DORIS D., US  
[72] TARR, BARBIE, US  
[72] VIALL, ALBERT L., JR., US  
[72] SOMMERS, MARK O., US  
[72] MARLER-PARKER, LINDA, US  
[71] CARLSON COMPANIES, INC., US  
[85] 2004-09-03  
[86] 2003-03-06 (PCT/US2003/006624)  
[87] 2003-09-18 (WO2003/077148)  
[30] US (60/361,697) 2002-03-06

[21] 2,478,223  
[13] A1

[51] Int.Cl. 7A61K 31/425 7A61K 31/565  
[25] EN  
[54] COMBINATIONS COMPRISING EPOTHILONE DERIVATIVES AND ALKYLATING AGENTS  
[54] MELANGES COMPRENANT DES DERIVES D'EPOTHILONE  
[72] ROTHERMEL, JOHN DAVID, US  
[72] ANDERSON, JUDITH ROSE, US  
[72] MC SHEEHY, PAUL M.J., DE  
[72] BODDY, ALAN, GB  
[71] NOVARTIS AG, CH  
[71] UNIVERSITY OF NEWCASTLE UPON TYNE, GB  
[85] 2004-09-03  
[86] 2003-03-07 (PCT/EP2003/002364)  
[87] 2003-09-18 (WO2003/075899)  
[30] US (60/362,738) 2002-03-08

[21] 2,478,226  
[13] A1

[51] Int.Cl. 7B65D 47/20 7B65D 47/24  
7B65D 47/32  
[25] EN  
[54] SELF-CLOSING VALVE  
[54] VALVE A FERMETURE AUTOMATIQUE  
[72] SUFFA, UDO, DE  
[71] ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, AT  
[85] 2004-09-03  
[86] 2003-04-14 (PCT/EP2003/003869)  
[87] 2003-11-06 (WO2003/091124)  
[30] DE (102 18 363.5) 2002-04-25

[21] 2,478,227  
[13] A1

[51] Int.Cl. 7A61P 25/18 7A61K 45/06  
7A61K 31/196 7A61K 31/551  
[25] EN  
[54] THERAPY FOR PSYCHOSES COMBINING AN ATYPICAL ANTIPSYCHOTIC AND AN MGLU2/3 RECEPTOR AGONIST  
[54] TRAITEMENT DES PSYCHOSES ASSOCIAINT UN ANTIPSYCHOTIQUE ATYPIQUE ET UN ANTAGONISTE DU RECEPTEUR MGLU2/3  
[72] JOHNSON, BRYAN GLENN, US  
[72] SCHOEPP, DARRYLE DARWIN, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2004-09-03  
[86] 2003-03-21 (PCT/US2003/007283)  
[87] 2003-10-16 (WO2003/084610)  
[30] US (60/369,771) 2002-04-03  
[30] US (60/369,797) 2002-04-03

[21] 2,478,231  
[13] A1

[51] Int.Cl. 7G05D 23/13  
[25] EN  
[54] FAUCET WITH INTERNAL THERMOSTATIC TEMPERING DEVICE  
[54] ROBINET DE PUISAGE A DISPOSITIF DE MISE EN TEMPERATURE THERMOSTATIQUE INTERNE  
[72] STRADER, WALTER H., US  
[72] PILATOWICZ, EDWARD, US  
[72] WILLIAMS, ALSTON E., US  
[72] BLOOM, MARK S., US  
[71] NEWFREY LLC, US  
[85] 2004-09-03  
[86] 2003-04-03 (PCT/US2003/010230)  
[87] 2003-10-16 (WO2003/085474)  
[30] US (60/369,915) 2002-04-04

[21] 2,478,232  
[13] A1

[51] Int.Cl. 7C07D 333/70 7A61P 29/00  
7C07C 311/08 7C07D 401/12 7C07D 403/12 7C07D 409/12 7C07D 417/12 7A61K 31/343 7A61K 31/381 7A61K 31/404 7C07D 209/42 7C07D 307/85  
[25] EN  
[54] PYRIDINOYLPIPERIDINES AS 5-HT1F AGONISTS  
[54] PYRIDINOYLPIPERIDINES UTILISEES COMME AGONISTES DE 5-HT1F  
[72] LIANG, SIDNEY XI, US  
[72] ZACHERL, DEANNA PIATT, US  
[72] ZHANG, DEYI, US  
[72] KOHLMAN, DANIEL TIMOTHY, US  
[72] VICTOR, FRANTZ, US  
[72] XU, YAO-CHANG, US  
[72] MANCUSO, VINCENT, BE  
[72] COHEN, MICHAEL PHILIP, US  
[72] YING, BAI-PING, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2004-09-03  
[86] 2003-03-27 (PCT/US2003/008455)  
[87] 2003-10-16 (WO2003/084949)  
[30] US (60/369,088) 2002-03-29  
  
[72] HAMMACH, ABDELHAKIM, US  
[72] GOLDBERG, DANIEL R., US  
[72] KAMHI, VICTOR MARC, US  
[72] GAO, DONGHONG AMY, US  
[72] HAO, MING-HONG, US  
[72] XIONG, ZHAOMING, US  
[72] SWINAMER, ALAN DAVID, US  
[72] SARKO, CHRISTOPHER RONALD, US  
[72] MOSS, NEIL, US  
[72] QIAN, KEVIN CHUNGENG, US  
[72] ROTH, GREGORY PAUL, US  
[71] BOEHRINGER INGELHEIM PHARMACEUTICALS, INC., US  
[85] 2004-09-03  
[86] 2003-04-10 (PCT/US2003/011094)  
[87] 2003-10-23 (WO2003/087085)  
[30] US (60/371,671) 2002-04-11

## PCT Applications Entering the National Phase

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[21] 2,478,234  
[13] A1

[51] Int.Cl. 7G06F 17/60  
[25] EN  
[54] OPTICAL REPORT ARCHIVING  
[54] ARCHIVAGE DE RAPPORTS  
OPTIQUES  
[72] DUNCAN, RAYMOND G., US  
[72] LOBUE, MARK, US  
[72] SHABOT, MICHAEL M., US  
[71] CEDARS-SINAI MEDICAL CENTER,  
US  
[85] 2004-09-03  
[86] 2003-03-10 (PCT/US2003/007133)  
[87] 2003-09-25 (WO2003/079143)  
[30] US (60/363074) 2002-03-11

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[21] 2,478,237  
[13] A1

[51] Int.Cl. 7A61K 31/192 7A61P 17/00  
7A61K 9/06 7A61P 17/06 7A61K 9/10  
7A61P 17/10 7A61P 17/12  
[25] EN  
[54] USE OF ADAPALENE FOR THE  
TREATMENT OF DERMATOLOGICAL  
DISORDERS  
[54] EMPLOI D'ADAPALENE POUR LE  
TRAITEMENT DE TROUBLES  
DERMATOLOGIQUES  
[72] CZERNIELEWSKI, JANUSZ, FR  
[72] GRAEBER, MICHAEL, US  
[71] GALDERMA RESEARCH &  
DEVELOPMENT, S.N.C., FR  
[85] 2004-09-07  
[86] 2003-03-12 (PCT/EP2003/003246)  
[87] 2003-09-18 (WO2003/075908)  
[30] FR (0203070) 2002-03-12  
[30] US (60/370,223) 2002-04-08

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[21] 2,478,238  
[13] A1

[51] Int.Cl. 7G02B 26/00  
[25] EN  
[54] COMBINATION MICROMACHINE  
AND OPTICAL DEVICE ARRAY  
[54] COMBINAISON DE  
MICROMACHINE ET DE RESEAU DE  
DISPOSITIF OPTIQUE  
[72] TREZZA, JOHN, US  
[71] XANOPTIX, INC., US  
[85] 2004-09-03  
[86] 2003-03-19 (PCT/US2003/008343)  
[87] 2003-10-02 (WO2003/081291)  
[30] US (60/366,040) 2002-03-19  
[30] US (10/391,431) 2003-03-18

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[21] 2,478,240  
[13] A1

[51] Int.Cl. 7B01D 27/14 7B01D 27/10  
7B01D 35/147 7B01D 29/58  
[25] EN  
[54] LIQUID FILTER ARRANGEMENT  
WITH SECONDARY FILTER AND  
BYPASS FLOW  
[54] ENSEMBLE FILTRE A LIQUIDES  
DOTE D'UN FILTRE AUXILIAIRE ET  
D'UN FLUX SECONDAIRE  
[72] HACKER, JOHN R., US  
[72] MULDER, DAVID WAYNE, US  
[72] GULSVIG, BRENT ALAN, US  
[72] BECHTUM, KEITH ALLAN, US  
[71] DONALDSON COMPANY, INC., US  
[85] 2004-09-07  
[86] 2003-03-06 (PCT/US2003/007036)  
[87] 2003-09-18 (WO2003/076041)  
[30] US (60/362,595) 2002-03-08

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[21] 2,478,241  
[13] A1

[51] Int.Cl. 7B01J 20/00  
[25] EN  
[54] DESULFURIZATION AND NOVEL  
COMPOSITIONS FOR SAME  
[54] DESULFURATION ET  
NOUVELLES COMPOSITIONS  
ASSOCIEES  
[72] PRICE, ASHLEY G., US  
[72] PARKS, GEORGE D., US  
[72] MORTON, ROBERT W., US  
[72] GISLASON, JASON J., US  
[72] DODWELL, GLENN W., US  
[71] CONOCOPHILLIPS COMPANY, US  
[85] 2004-09-07  
[86] 2003-02-03 (PCT/US2003/003108)  
[87] 2003-09-18 (WO2003/076066)  
[30] US (10/090,343) 2002-03-04

---

[21] 2,478,242  
[13] A1

[51] Int.Cl. 7B32B 27/10 7C09J 5/02  
[25] EN  
[54] HEAT SEALABLE COMPOSITE  
WRAP MATERIAL  
[54] MATERIAU COMPOSÉ  
ENVELOPPANT  
THERMOSCELLABLES  
[72] NOWAK, MICHAEL R., US  
[72] MUELLER, LOUANN S., US  
[72] ARNDT, WILLIAM R., US  
[71] COATING EXCELLENCE  
INTERNATIONAL, US  
[85] 2004-09-07  
[86] 2003-03-10 (PCT/US2003/007162)  
[87] 2003-09-18 (WO2003/076185)  
[30] US (10/094,060) 2002-03-08

---

[21] 2,478,243  
[13] A1

[51] Int.Cl. 7G10L 19/00 7H03M 7/30  
[25] EN  
[54] ANOMALY RECOGNITION  
[54] RECONNAISSANCE DES  
ANOMALIES  
[72] STENTIFORD, FREDERICK  
WARWICK MICHAEL, GB  
[71] BRITISH TELECOMMUNICATIONS  
PUBLIC LIMITED COMPANY, GB  
[85] 2004-09-03  
[86] 2003-03-24 (PCT/GB2003/001211)  
[87] 2003-10-02 (WO2003/081577)  
[30] GB (0206851.8) 2002-03-22  
[30] GB (0206853.4) 2002-03-22  
[30] GB (0206854.2) 2002-03-22  
[30] GB (0206857.5) 2002-03-22

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[21] 2,478,244  
[13] A1

[51] Int.Cl. 7H03F 3/16  
[25] EN  
[54] ON-CHIP AC COUPLED CIRCUIT  
[54] CIRCUIT DE COUPLAGE AU  
COURANT ALTERNATIF SUR PUCE  
[72] WYMAN, THEODORE TED J., US  
[72] GAHLSDORF, RIEN, US  
[72] MARTIN, ROBERT, US  
[71] XANOPTIX, INC., US  
[85] 2004-09-03  
[86] 2003-03-18 (PCT/US2003/008068)  
[87] 2003-10-02 (WO2003/081639)  
[30] US (60/365,609) 2002-03-18  
[30] US (10/390,101) 2003-03-17

---

[21] 2,478,245  
[13] A1

[51] Int.Cl. 7A23D 7/00 7C12N 15/28  
[25] EN  
[54] TREATMENT AND PREVENTION  
OF INFLAMMATORY DISORDERS  
[54] TRAITEMENT ET PREVENTION  
DE TROUBLES INFLAMMATOIRES  
[72] URSIN, VIRGINIA M., US  
[72] JAMES, MICHAEL J., AU  
[71] MONSANTO TECHNOLOGY LLC,  
US  
[85] 2004-09-07  
[86] 2003-03-07 (PCT/US2003/006870)  
[87] 2003-09-18 (WO2003/075670)  
[30] US (60/365,872) 2002-03-08

## Demandes PCT entrant en phase nationale

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[21] 2,478,246  
[13] A1

[51] Int.Cl. 7A23L 1/18 7A23L 1/164  
7A23L 1/30 7A23L 1/307  
[25] EN  
[54] SWEET AND SALTY MICROWAVE POPCORN COMPOSITIONS AND ARRANGEMENTS CONTAINING THEM  
[54] COMPOSITIONS SALEE ET SUCREE DE MAIS ECLATE A PREPARER AU FOUR A MICRO-ONDES ET SYSTEMES CONTENANT CES DERNIERES  
[72] SCHILMOELLER, LANCE BERNARD, US  
[72] SCHMIDT, LISA MARIE, US  
[72] JENSEN, MICHAEL LAWRENCE, US  
[71] CONAGRA FOODS, INC., US  
[85] 2004-09-03  
[86] 2002-06-28 (PCT/US2002/020970)  
[87] 2003-09-25 (WO2003/077675)  
[30] US (10/094,294) 2002-03-08

---

[21] 2,478,249  
[13] A1

[51] Int.Cl. 7A45D 1/04  
[25] EN  
[54] CURLINGIRON MAKING HEAT SOURCE OF HEATED FLUID  
[54] FER A FRISER PRODUISANT UNE SOURCE DE CHALEUR A PARTIR DE FLUIDE CHAUFFE  
[72] PARK, KANG-SU, KR  
[71] PARK, KANG-SU, KR  
[85] 2004-09-07  
[86] 2003-03-07 (PCT/KR2003/000440)  
[87] 2003-09-18 (WO2003/075706)  
[30] KR (20-2002-0006868) 2002-03-08

---

[21] 2,478,251  
[13] A1

[51] Int.Cl. 7C08L 33/00 7C08F 265/00  
7C08L 23/00 7C08L 51/00 7A61L 15/24  
[25] EN  
[54] POLYMER MIXTURES WITH IMPROVED ODOR CONTROL  
[54] MELANGES POLYMERIQUES AYANT UN MEILLEUR CONTROLE D'ODEUR  
[72] ENGELHARDT, FRIEDRICH, DE  
[72] FUNK, RUDIGER, DE  
[72] WANIOR, MARIOLA, DE  
[71] BASF AKTIENGESELLSCHAFT, DE  
[85] 2004-09-01  
[86] 2003-03-04 (PCT/EP2003/002183)  
[87] 2003-09-18 (WO2003/076514)  
[30] DE (102 10 124.8) 2002-03-08

---

[21] 2,478,252  
[13] A1

[51] Int.Cl. 7H01M 8/10 7C08J 5/22  
[25] EN  
[54] MIXTURE COMPRISING PHOSPHONIC ACID CONTAINING VINYL, POLYMER ELECTROLYTE MEMBRANES COMPRISING POLYVINYLPHOSPHONIC ACID AND THE USE THEREOF IN FUEL CELLS  
[54] MELANGES CONTENANT DE L'ACIDE PHOSPHONIQUE RENFERMANT DU VINYLE, MEMBRANES ELECTROLYTIQUES POLYMERES CONTENANT DE L'ACIDE POLYVINYLPHOSPHONIQUE ET UTILISATION DESDITES MEMBRANES DANS DES PILES A COMBUSTIBLE  
[72] CHRIST, GUNTER, DE  
[72] KIEFER, JOACHIM, DE  
[72] UENSAL, OEMER, DE  
[71] PEMEAS GMBH, DE  
[85] 2004-09-01  
[86] 2003-03-04 (PCT/EP2003/002398)  
[87] 2003-09-12 (WO2003/075389)  
[30] DE (102 13 540.1) 2002-03-06

---

[21] 2,478,253  
[13] A1

[51] Int.Cl. 7A61L 27/50 7A61L 27/16  
[25] EN  
[54] COMPOSITION FOR HARD TISSUE AUGMENTATION  
[54] COMPOSITION REGENERATRICES DE TISSUS DURS  
[72] FEHR, DANIEL, CH  
[72] MOLENBERG, AALDERT RENS, CH  
[72] ZAMPARO, ENRICO, CH  
[71] KUROS BIOSURGERY AG, CH  
[71] STRAUMANN HOLDING AG, CH  
[85] 2004-09-03  
[86] 2003-03-21 (PCT/EP2003/002979)  
[87] 2003-10-02 (WO2003/080144)  
[30] US (60/366,712) 2002-03-22  
[30] US (60/408,077) 2002-09-04

---

[21] 2,478,254  
[13] A1

[51] Int.Cl. 7H01B 11/00  
[25] EN  
[54] INTERCONNECTING CABLE  
[54] CABLE DE CONNEXION  
[72] HOWE, EUGENE, GB  
[71] HOWE, EUGENE, GB  
[85] 2004-09-03  
[86] 2003-03-07 (PCT/GB2003/001005)  
[87] 2003-09-12 (WO2003/075287)  
[30] GB (0205323.9) 2002-03-07  
[30] GB (0220502.9) 2002-09-03

---

[21] 2,478,255  
[13] A1

[51] Int.Cl. 7G08G 1/09  
[25] EN  
[54] INTELLIGENT SELECTIVELY-TARGETED COMMUNICATIONS SYSTEMS AND METHODS  
[54] SYSTEMES ET PROCEDES INTELLIGENTS DE COMMUNICATION CIBLES SELECTIVEMENT  
[72] TAYLOR, LANCE G., US  
[71] TAYLOR, LANCE G., US  
[85] 2004-09-03  
[86] 2003-03-05 (PCT/US2003/006882)  
[87] 2003-09-18 (WO2003/077223)  
[30] US (60/362,609) 2002-03-07

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[21] 2,478,256  
[13] A1

[51] Int.Cl. 7C07F 9/50 7C07F 15/00  
7C07C 47/02 7B01J 31/24 7C07C 45/50  
[25] EN  
[54] BISPHOSPHINE, PROCESS FOR PRODUCING THE SAME, AND USE THEREOF  
[54] BISPHOSPHINE, PROCEDE DE FABRICATION ET UTILISATION  
[72] TSUJI, TOMOAKI, JP  
[71] KURARAY CO., LTD., JP  
[85] 2004-09-03  
[86] 2003-01-10 (PCT/JP2003/000153)  
[87] 2003-10-02 (WO2003/080632)  
[30] JP (2002-80629) 2002-03-22

## PCT Applications Entering the National Phase

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[21] 2,478,257  
[13] A1

[51] Int.Cl. 7C08J 9/28  
[25] EN  
[54] METHOD AND COMPOSITION FOR POLYMER-REINFORCED COMPOSITE CEMENTITIOUS CONSTRUCTION MATERIAL  
[54] PROCEDE ET COMPOSITION POUR MATERIAU DE CONSTRUCTION COMPOSITE A BASE DE CIMENT RENFORCE PAR DES POLYMERES  
[72] SOANE, DAVID S., US  
[72] POLLACK, JACOB FREAS, US  
[72] TAGGE, CHRISTOPHER D., US  
[71] INNOVATIVE CONSTRUCTION AND BUILDING MATERIALS, US  
[85] 2004-09-07  
[86] 2003-03-04 (PCT/US2003/006914)  
[87] 2003-09-18 (WO2003/076502)  
[30] US (10/094,572) 2002-03-07  
[30] US (10/278,214) 2002-10-21

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[21] 2,478,258  
[13] A1

[51] Int.Cl. 7A47J 37/04  
[25] EN  
[54] APPARATUS FOR COOKING AND DISPENSING FOOD PRODUCTS  
[54] APPAREIL POUR LA CUISSON ET LA DISTRIBUTION DE PRODUITS ALIMENTAIRES  
[72] DE KOCK, CILLIERS, ZA  
[71] DE KOCK, CILLIERS, ZA  
[85] 2004-08-27  
[86] 2003-02-27 (PCT/ZA2003/000034)  
[87] 2003-09-12 (WO2003/073898)  
[30] ZA (2002/1719) 2002-03-01

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[21] 2,478,259  
[13] A1

[51] Int.Cl. 7G06F 15/16  
[25] EN  
[54] USER CONTROLLABLE COMPUTER PRESENTATION OF INTERFACES AND INFORMATION SELECTIVELY PROVIDED VIA A NETWORK  
[54] PRESENTATION GERABLE PAR L'UTILISATEUR SUR ORDINATEUR D'INTERFACES ET D'INFORMATIONS SELECTIVEMENT FOURNIES PAR UN RESEAU  
[72] BERRYMAN, RONALD, US  
[71] THE SIDEREUS GROUP, US  
[85] 2004-09-03  
[86] 2003-03-06 (PCT/US2003/006949)  
[87] 2003-09-18 (WO2003/077144)  
[30] US (60/362,147) 2002-03-06

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[21] 2,478,260  
[13] A1

[51] Int.Cl. 7B30B 3/04  
[25] EN  
[54] COMPACTING PRESS FOR BULK MATERIALS  
[54] PRESSE DE COMPACTAGE POUR MARCHANDISES EN VRAC  
[72] EGGERT, AXEL, DE  
[71] ALEXANDERWERK AG, DE  
[85] 2004-09-08  
[86] 2003-03-05 (PCT/EP2003/002212)  
[87] 2003-09-18 (WO2003/076172)  
[30] DE (102 10 307.0) 2002-03-08

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[21] 2,478,269  
[13] A1

[51] Int.Cl. 7B01D 45/08 7B01D 50/00  
7B01D 45/16  
[25] EN  
[54] DEVICE AND METHOD FOR TREATING A GAS/LIQUID MIXTURE  
[54] DISPOSITIF ET PROCEDE PERMETTANT DE TRAITER UN MELANGE GAZ/LIQUIDE  
[72] LARNHOLM, PER-REIDAR, NO  
[72] HALAND, TRYGVE, NO  
[71] STATOIL ASA, NO  
[85] 2004-09-07  
[86] 2003-03-05 (PCT/EP2003/002303)  
[87] 2003-09-12 (WO2003/074156)  
[30] NL (1020113) 2002-03-05

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[21] 2,478,272  
[13] A1

[51] Int.Cl. 7A61K 49/00  
[25] EN  
[54] NEAR INFRARED FLUORESCENT CONTRAST AGENT AND METHOD FOR FLUORESCENCE IMAGING  
[54] AGENT DE CONTRASTE FLUORESCENT PROCHE DE L'INFRAROUGE ET PROCEDE D'IMAGERIE PAR FLUORESCENCE  
[72] KITAGUCHI, HIROSHI, JP  
[72] AIKAWA, KAZUHIRO, JP  
[72] TSUDA, NATSUKO, JP  
[72] KAWAKAMI, MASAYUKI, JP  
[72] EGUCHI, HIROAKI, JP  
[72] PERLITZ, CHRISTIN, DE  
[72] LICHA, KAI, DE  
[71] SCHERING AKTIENGESELLSCHAFT, DE  
[71] FUJI PHOTO FILM CO., LTD., JP  
[85] 2004-09-07  
[86] 2003-03-07 (PCT/EP2003/002358)  
[87] 2003-09-12 (WO2003/074091)  
[30] JP (109794/2002) 2002-03-07

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[21] 2,478,276  
[13] A1

[51] Int.Cl. 7C07D 401/12 7A61P 35/00  
7C07D 403/12 7C07D 401/14 7C07D 405/14 7A61K 31/55  
[25] EN  
[54] AZEPANE DERIVATIVES AND THEIR USE AS ATK1 INHIBITORS  
[54] NOUVEAUX DERIVES D'AZEPANE  
[72] MASJOST, BIRGIT, DE  
[72] SCHUMACHER, RALF, DE  
[72] FRIEBE, WALTER-GUNAR, DE  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2004-09-01  
[86] 2003-03-10 (PCT/EP2003/002412)  
[87] 2003-09-18 (WO2003/076429)  
[30] EP (02005287.4) 2002-03-12  
[30] EP (02006648.6) 2002-03-26

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[21] 2,478,279  
[13] A1

[51] Int.Cl. 7G06F 17/60  
[25] EN  
[54] SYSTEM AND METHOD FOR PROVIDING LIQUIDITY  
[54] SYSTEME ET PROCEDE DE FOURNITURE DE LIQUIDITE  
[72] GETTY, GORDON P., US  
[71] REFLOW MANAGEMENT, LLC, US  
[85] 2004-09-03  
[86] 2003-03-05 (PCT/US2003/006822)  
[87] 2003-09-18 (WO2003/077179)  
[30] US (10/092,005) 2002-03-06

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[21] 2,478,283  
[13] A1

[51] Int.Cl. 7C07C 33/44 7C07D 401/04  
7C07C 313/06 7C07C 311/07 7C07C 251/24 7C07D 265/30 7C07C 227/32 7C07C 303/36 7C07C 303/40 7C07C 229/46  
7C07D 213/75 7C07D 277/82  
[25] EN  
[54] PROCESS FOR PRODUCING TRANS-4-AMINO-1-CYCLOHEXANECARBOXYLIC ACID DERIVATIVE  
[54] PROCEDE DE PRODUCTION DE DERIVE D'ACIDE TRANS-4-AMINO-1-CYCLOHEXANECARBOXYLIQUE  
[72] MATSUURA, MUNENORI, JP  
[72] UENAKA, MASAAKI, JP  
[72] KAWANISHI, YASUYUKI, JP  
[71] SHIONOGI & CO., LTD., JP  
[85] 2004-09-08  
[86] 2003-03-07 (PCT/JP2003/002729)  
[87] 2003-09-18 (WO2003/076374)  
[30] JP (2002-67548) 2002-03-12

## Demandes PCT entrant en phase nationale

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[21] 2,478,287  
[13] A1

[51] Int.Cl. 7G11B 20/12 7G11B 27/00  
7G10H 1/00  
[25] EN  
[54] DATA RECORDING MEDIUM, RECORDING METHOD AND RECORDER, REPRODUCING METHOD AND REPRODUCER, AND DATA TRANSMITTING METHOD AND TRANSMITTER  
[54] SUPPORT D'ENREGISTREMENT DE DONNEES, PROCEDE D'ENREGISTREMENT ET ENREGISTREUR, PROCEDE DE REPRODUCTION ET REPRODUCTEUR ET DISPOSITIF DE TRANSMISSION DE DONNEES ET EMETTEUR  
[72] SAKO, YOICHIRO, JP  
[71] SONY CORPORATION, JP  
[85] 2004-09-07  
[86] 2003-12-26 (PCT/JP2003/016939)  
[87] 2004-08-05 (WO2004/066299)  
[30] JP (2003-12509) 2003-01-21

[21] 2,478,289  
[13] A1

[51] Int.Cl. 7A61F 5/56 7A47G 9/00  
[25] EN  
[54] PILLOW FOR PREVENTING SNORING  
[54] OREILLER DESTINE A PREVENIR LE RONFLEMENT  
[72] KOOPS, JAN, NL  
[71] KK & B CONNECTION HOLDING B.V., NL  
[85] 2004-09-07  
[86] 2003-01-10 (PCT/NL2003/000014)  
[87] 2003-10-02 (WO2003/079943)  
[30] NL (1020108) 2002-03-04  
[30] NL (1020477) 2002-04-26  
[30] NL (1022279) 2002-12-30

[21] 2,478,290  
[13] A1

[51] Int.Cl. 7H04L 12/28 7H04L 12/66  
[25] EN  
[54] SYSTEM AND METHOD FOR ADAPTING REMOTE ACCESS TELEPHONY NETWORKS TO NATIONAL DEVIATIONS  
[54] SYSTEME ET PROCEDE D'ADAPTATION DE RESEAU TELEPHONIQUES D'ACCES A DISTANCE AUX DEVIATIONS NATIONALES  
[72] FREYMAN, PHILLIP KENT, US  
[72] STEIN, ROBERT C., US  
[72] RYAN, MICHAEL PATRICK, US  
[72] CHARANIA, HANEEF B., US  
[71] GENERAL INSTRUMENT CORPORATION, US  
[85] 2004-09-03  
[86] 2003-03-06 (PCT/US2003/006930)  
[87] 2003-09-18 (WO2003/077478)  
[30] US (60/362,005) 2002-03-06

[21] 2,478,291  
[13] A1

[51] Int.Cl. 7B65D 47/12 7B65D 51/24  
[25] EN  
[54] TAMPER EVIDENT CAP  
[54] CAPSULE INVIOABLE  
[72] PARKER, IAN MALCOLM, GB  
[71] WELDON LIMITED, GB  
[85] 2004-09-07  
[86] 2003-03-07 (PCT/GB2003/000977)  
[87] 2003-09-12 (WO2003/074382)  
[30] GB (0205446.8) 2002-03-07

[21] 2,478,292  
[13] A1

[51] Int.Cl. 7A46B 5/02 7A46B 11/00  
7B43K 5/00 7B43K 8/02 7A46B 5/04  
7B43K 8/04 7B43K 8/06 7B43M 11/06  
7B43K 8/08 7A47L 1/08 7A47L 11/08  
7A47L 13/12  
[25] EN  
[54] LIQUID CONTAINER AND METHOD OF USE  
[54] CONTENANT POUR LIQUIDE ET PROCEDE D'UTILISATION  
[72] BOSWORTH, JOHN O., SR., US  
[72] BOGIN, VLADIMIR, US  
[72] BOSWORTH, JOHN O., JR., US  
[71] INGEN SOLUTIONS GROUP, LLC, US  
[85] 2004-09-08  
[86] 2003-03-07 (PCT/US2003/007143)  
[87] 2003-09-18 (WO2003/075710)  
[30] US (60/363,000) 2002-03-08  
[30] US (60/406,287) 2002-08-28

[21] 2,478,295  
[13] A1

[51] Int.Cl. 7A47L 9/22 7A47L 5/22 7A47L 5/28 7A47L 5/38  
[25] EN  
[54] SUCTION MOTOR FOR VACUUM CLEANER  
[54] MOTEUR D'ASPIRATION POUR ASPIRATEUR  
[72] POUPORE, TIMOTHY, CA  
[72] CUNNINGHAM, J. VERN, CA  
[72] SYVERSON, CHARLES D., US  
[71] CUBE INVESTMENTS LIMITED, CA  
[85] 2004-09-08  
[86] 2003-03-12 (PCT/CA2003/000382)  
[87] 2003-09-18 (WO2003/075733)  
[30] US (60/363,351) 2002-03-12

[21] 2,478,296  
[13] A1

[51] Int.Cl. 7A61N 1/00  
[25] EN  
[54] METHOD FOR MODIFICATION OF RADIOTHERAPY TREATMENT DELIVERY  
[54] PROCEDE DE MODIFICATION D'ADMINISTRATION DE TRAITEMENT RADIOTHERAPIQUE  
[72] HUGHES, JOHN H., US  
[72] RECKWERDT, PAUL J., US  
[72] LU, WEIGUO, US  
[72] KAPATOES, JEFFREY M., US  
[72] RUCHALA, KENNETH J., US  
[72] OLIVERA, GUSTAVO A., US  
[71] TOMOTHERAPY INCORPORATED, US  
[85] 2004-09-03  
[86] 2003-03-06 (PCT/US2003/007014)  
[87] 2003-09-18 (WO2003/076003)  
[30] US (60/362,112) 2002-03-06

## PCT Applications Entering the National Phase

**[21] 2,478,299**  
[13] A1

[51] Int.Cl. 7G06F 11/30  
 [25] EN  
**[54] SYSTEMS AND METHODS FOR ENHANCING ELECTRONIC COMMUNICATION SECURITY**  
**[54] SYSTEMES ET PROCEDES PERMETTANT D'AMELIORER LA SECURITE DES COMMUNICATIONS ELECTRONIQUES**  
 [72] RAJAN, GURU, US  
 [72] JUDGE, PAUL, US  
 [71] CIPHERTRUST, INC., US  
 [85] 2004-09-03  
 [86] 2003-03-06 (PCT/US2003/007042)  
 [87] 2003-09-18 (WO2003/077071)  
 [30] US (10/093,553) 2002-03-08  
 [30] US (10/094,211) 2002-03-08  
 [30] US (10/094,266) 2002-03-08  
 [30] US (10/361,091) 2003-02-07  
 [30] US (10/361,067) 2003-02-07

**[21] 2,478,301**  
[13] A1

[51] Int.Cl. 7C08L 23/28 7C08F 8/22  
**7C09D 123/28 7C09J 123/28**  
 [25] EN  
**[54] AQUEOUS DISPERSION, PROCESS FOR PRODUCING THE SAME, AND USE**  
**[54] DISPERSION AQUEUSE, SON PROCEDE DE PRODUCTION ET UTILISATION**  
 [72] YOSHIOKA, HIDETOSHI, JP  
 [72] FUJINO, KENICHI, JP  
 [71] NIPPON PAPER INDUSTRIES, CO., JP  
 [85] 2004-09-07  
 [86] 2003-02-28 (PCT/JP2003/002308)  
 [87] 2003-09-12 (WO2003/074606)  
 [30] JP (2002-58419) 2002-03-05

**[21] 2,478,303**  
[13] A1

[51] Int.Cl. 7G06F 17/60  
 [25] EN  
**[54] EQUIPMENT TRACKING SYSTEM AND METHOD**  
**[54] SYSTEME ET PROCEDE DE SUIVI DE MATERIEL**  
 [72] HART, JOHN E., US  
 [71] FLEETTRAKKER, L.L.C., US  
 [85] 2004-09-03  
 [86] 2003-03-07 (PCT/US2003/007075)  
 [87] 2003-09-18 (WO2003/077073)  
 [30] US (60/362,868) 2002-03-08

**[21] 2,478,304**  
[13] A1

[51] Int.Cl. 7H04M 1/00 7H04M 3/00  
 [25] EN  
**[54] METHOD FOR GENERALIZATION OF TELEPHONE SIGNALING REQUIREMENTS TO SUPPORT MULTIPLE INTERNATIONAL**  
**[54] PROCEDE DE GENERALISATION DES EXIGENCES DE SIGNALISATION TELEPHONIQUE POUR LA PRISE EN CHARGE DE MARCHES INTERNATIONAUX MULTIPLES DANS UNE SEULE INSTALLATION D'ABONNE**  
 [72] VETTER, RICHARD, US  
 [72] LITWAK, ROBERT, US  
 [72] CHARANIA, HANEEF B., US  
 [71] GENERAL INSTRUMENT CORPORATION, US  
 [85] 2004-09-03  
 [86] 2003-03-06 (PCT/US2003/007291)  
 [87] 2003-09-18 (WO2003/077509)  
 [30] US (60/362,124) 2002-03-06

**[21] 2,478,315**  
[13] A1

[51] Int.Cl. 7G02C 7/02 7G02C 7/10  
 [25] EN  
**[54] ELECTRO-OPTIC LENS WITH INTEGRATED COMPONENTS**  
**[54] LENTILLE ELECTRO-OPTIQUE A COMPOSANTS INTEGRES**  
 [72] BLUM, RONALD D., US  
 [72] DUSTON, DWIGHT P., US  
 [72] KOKONASKI, WILLIAM, US  
 [72] KATZMAN, DAN, IL  
 [71] E-VISION L.L.C., US  
 [85] 2004-09-03  
 [86] 2003-03-12 (PCT/US2003/008273)  
 [87] 2003-09-18 (WO2003/077012)  
 [30] US (60/363,549) 2002-03-13  
 [30] US (60/401,700) 2002-08-07  
 [30] US (10/281,204) 2002-10-28

**[21] 2,478,324**  
[13] A1

[51] Int.Cl. 7A61N 1/36 7H01H 36/00  
**7H04R 25/00 7A61N 1/372 7A61N 1/375**  
 [25] EN  
**[54] REDUCING EFFECT OF MAGNETIC AND ELECTROMAGNETIC FIELDS ON AN IMPLANTS MAGNET AND/OR ELECTRONIC**  
**[54] REDUCTION DE L'EFFET DES CHAMPS MAGNETIQUE ET ELECTROMAGNETIQUE SUR UN AIMANT OU DE L'ELECTRONIQUE IMPLANTES**  
 [72] ZIMMERLING, MARTIN, AT  
 [72] HOCHMAIR, ERWIN S., AT  
 [71] MED-EL ELEKTROMEDIZINISCHE GERATE GMBH, AT  
 [85] 2004-09-01  
 [86] 2003-04-01 (PCT/IB2003/002283)  
 [87] 2003-10-09 (WO2003/081976)  
 [30] US (60/369,208) 2002-04-01  
 [30] US (60/387,455) 2002-06-10

## Demandes PCT entrant en phase nationale

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[21] 2,478,325  
[13] A1

[51] Int.Cl. 7B65D 85/10  
[25] EN  
[54] PACK FOR SMOKING ARTICLES  
[54] EMBALLAGE POUR ARTICLES  
DE TABAC  
[72] STEWART-COX, ADRIAN ROY, GB  
[72] HOLFORD, STEVEN, GB  
[72] TEARLE, ALAN DOUGLAS, GB  
[72] BRAY, ANDREW JONATHAN, GB  
[71] BRITISH AMERICAN TOBACCO  
(INVESTMENTS) LIMITED, GB  
[85] 2004-09-08  
[86] 2003-03-11 (PCT/GB2003/001026)  
[87] 2003-09-25 (WO2003/078274)  
[30] GB (0205697.6) 2002-03-12

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[21] 2,478,326  
[13] A1

[51] Int.Cl. 7B41M 5/00 7D21H 19/42  
[25] EN  
[54] BURNISH RESISTANT PRINTING  
SHEETS  
[54] FEUILLES D'IMPRESSION  
RESISTANT AU BRUNISSEMENT  
[72] CONCANNON, PAUL W., US  
[72] DUROCHER, PAUL, US  
[72] WAECKER, THOMAS A., US  
[72] FERNANDEZ, JOSEPH M., US  
[72] GUBRUD, LISA A., US  
[71] S.D. WARREN SERVICES  
COMPANY, US  
[85] 2004-09-08  
[86] 2003-02-07 (PCT/US2003/003790)  
[87] 2003-09-25 (WO2003/078175)  
[30] US (10/098,917) 2002-03-15

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[21] 2,478,328  
[13] A1

[51] Int.Cl. 7C08G 14/06 7C08G 8/16  
7C08G 8/22  
[25] EN  
[54] SPRAY-DRIED PHENOL  
FORMALDEHYDE RESINS  
[54] RESINES DE PHENOL-  
FORMALDEHYDE SECHANT PAR  
PULVERISATION  
[72] LAM, ERIC KENNETH, CA  
[72] SHELAST, CURTIS MICHAEL, CA  
[72] CHIU, SHUI-TUNG, US  
[71] BORDEN CHEMICAL, INC., US  
[85] 2004-09-08  
[86] 2003-02-24 (PCT/US2003/005252)  
[87] 2003-09-25 (WO2003/078495)  
[30] US (10/099,410) 2002-03-15

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[21] 2,478,330  
[13] A1

[51] Int.Cl. 7A61M 31/00  
[25] EN  
[54] INTRADUCTAL MANAGEMENT  
OF BREAST LESIONS INVOLVING  
THERAPEUTIC OR DIAGNOSTIC  
AGENTS  
[54] GESTION INTRACANALAIRE DE  
LESIONS MAMMAIRES FAISANT  
INTERVENIR DES AGENTS  
THERAPEUTIQUES OU  
DIAGNOSTIQUES  
[72] HUNG, DAVID, US  
[71] CYTYC HEALTH CORPORATION,  
US  
[85] 2004-09-07  
[86] 2003-03-19 (PCT/US2003/007279)  
[87] 2003-10-02 (WO2003/080171)  
[30] US (60/365,168) 2002-03-19

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[21] 2,478,333  
[13] A1

[51] Int.Cl. 7B01J 19/00  
[25] EN  
[54] MICROCHANNEL REACTORS  
WITH TEMPERATURE CONTROL  
[54] REACTEURS A MICROCANAUX A  
REGULATION THERMIQUE  
[72] BROOKS, KRISTON P., US  
[72] WEGENG, ROBERT S., US  
[72] WHYATT, GREG A., US  
[72] FISCHER, CHRISTOPHER M., US  
[72] KING, DAVID L., US  
[72] TEGROTENHUIS, WARD E., US  
[71] BATTELLE MEMORIAL INSTITUTE,  
US  
[85] 2004-09-08  
[86] 2003-03-11 (PCT/US2003/007519)  
[87] 2003-09-25 (WO2003/078052)  
[30] US (60/363,269) 2002-03-11  
[30] US (60/379,163) 2002-05-09

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[21] 2,478,334  
[13] A1

[51] Int.Cl. 7G01N 35/02  
[25] EN  
[54] POSITIONING SYSTEM FOR  
MOVING A SELECTED STATION OF A  
HOLDING PLATE TO A  
PREDETERMINED LOCATION FOR  
INTERACTION WITH A PROBE  
[54] SYSTEME DE POSITIONNEMENT  
DEPLACANT UNE STATION  
SELECTIONNEE D'UN PLATEAU  
PORTEUR SUR UN EMPLACEMENT  
PREDETERMINE POUR QU'IL  
INTERAGISSE AVEC UNE SONDE  
[72] LAFFERTY, WILLIAM MICHAEL,  
US  
[71] DIVERSA CORPORATION, US  
[85] 2004-09-08  
[86] 2003-03-11 (PCT/US2003/007724)  
[87] 2003-09-25 (WO2003/079029)  
[30] US (10/095,907) 2002-03-11

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[21] 2,478,335  
[13] A1

[51] Int.Cl. 7A61K 31/40 7C07D 207/00  
7C07D 295/00 7C07D 241/04 7C07D 211/  
06 7C07D 277/08 7C07D 207/30 7A61K 31/  
41 7A61K 31/415 7A61K 31/42 7A61K 31/  
44 7A61K 31/445 7A61K 31/65 7C07C  
235/66 7C07D 211/68 7C07D 211/80  
[25] EN  
[54] AMINO-METHYL SUBSTITUTED  
TETRACYCLINE COMPOUNDS  
[54] COMPOSES A BASE DE  
TETRACYCLINE A SUBSTITUTION  
AMINOMETHYLE  
[72] MCINTYRE, LAURA, US  
[72] BOWSER, TODD, US  
[72] NELSON, MARK L., US  
[72] ISMAIL, MOHAMED Y., US  
[72] OHEMENG, KWASI, US  
[72] FRECHETTE, ROGER, US  
[71] PARATEK PHARMACEUTICALS,  
INC., US  
[85] 2004-09-07  
[86] 2003-03-10 (PCT/US2003/007229)  
[87] 2003-09-18 (WO2003/075857)  
[30] US (60/362,654) 2002-03-08  
[30] US (60/395,495) 2002-07-12

## PCT Applications Entering the National Phase

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**[21] 2,478,336**  
[13] A1

[51] Int.Cl. 7A61K 31/565 7A61K 9/00  
7A61P 15/18 7A61K 31/57 7A61K 9/70  
[25] EN  
[54] EXTENDED CYCLE ESTROGEN AND SULFATASE INHIBITING PROGESTOGEN CONTRACEPTIVE REGIMENS  
[54] REGIMES CONTRACEPTIFS DE CYCLE PROLONGE A BASE DE PROGESTAGENE INHIBANT LA SULFATASE ET A BASE D'OESTROGENE  
[72] CAUBEL, PATRICK MICHEL, US  
[72] FRIEDMAN, ANDREW JOSEPH, US  
[71] JANSSEN PHARMACEUTICA, NV, BE  
[85] 2004-09-08  
[86] 2003-03-11 (PCT/US2003/007601)  
[87] 2003-09-25 (WO2003/077926)  
[30] US (60/363,167) 2002-03-11  
[30] US (60/381,585) 2002-05-17

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**[21] 2,478,338**  
[13] A1

[51] Int.Cl. 7A61K 31/40 7A61K 31/415  
7A61K 31/42 7A61K 31/425 7A61K 31/505  
7A61K 31/519  
[25] EN  
[54] COMBINATION THERAPY FOR TREATING, PREVENTING OR MANAGING PROLIFERATIVE DISORDERS AND CANCERS  
[54] POLYTHERAPIE DESTINEE A TRAITER, PREVENIR OU GERER DES TROUBLES PROLIFERATIFS ET DES CANCERS  
[72] STEIN, BERND M., US  
[72] ENNIS, BRUCE W., US  
[72] WESTWICK, JOHN K., US  
[71] SIGNAL PHARMACEUTICALS, INC., US  
[85] 2004-09-08  
[86] 2003-03-07 (PCT/US2003/006894)  
[87] 2003-09-18 (WO2003/075917)  
[30] US (60/362,705) 2002-03-08  
[30] US (10/384,440) 2003-03-07

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**[21] 2,478,339**  
[13] A1

[51] Int.Cl. 7H04B 1/66 7H04B 14/04  
[25] EN  
[54] SYSTEM FOR IMPROVING PERFORMANCE OF COMPRESSION AND DECOMPRESSION ALGORITHMS IN A TELECOMMUNICATION SYSTEM  
[54] SYSTEME POUR AMELIORER LA PERFORMANCE DES ALGORITHMES DE COMPRESSION ET DE DECOMPRESSION DANS UN SYSTEME DE TELECOMMUNICATIONS  
[72] MES, IAN, CA  
[71] CATENA NETWORKS, INC., US  
[85] 2004-09-08  
[86] 2003-03-11 (PCT/US2003/007640)  
[87] 2003-09-25 (WO2003/079154)  
[30] CA (2,375,815) 2002-03-11

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**[21] 2,478,340**  
[13] A1

[51] Int.Cl. 7C07D 211/58 7A61P 7/02  
7A61K 31/495  
[25] EN  
[54] CERTAIN 1-(D-CYCLOPROPYLGLYCINYL)-4-(PIPERIDIN-4-YL)PIPERAZINE COMPOUNDS AS INHIBITORS OF THE SERINE PROTEASE FACTOR XA  
[54] COMPOSES 1-(D-CYCLOPROPYLGLYCINYL)-4-(PIPERIDIN-4-YL)PIPERAZINE EN TANT QU'INHIBITEURS DU FACTEUR XA DE LA SERINE PROTEASE  
[72] ENGEL, GARY LOWELL, US  
[72] WILEY, MICHAEL ROBERT, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2004-09-07  
[86] 2003-03-24 (PCT/US2003/007794)  
[87] 2003-10-16 (WO2003/084929)  
[30] US (60/368,523) 2002-04-01

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**[21] 2,478,342**  
[13] A1

[51] Int.Cl. 7A61K 31/427 7C07D 417/10  
7A61K 31/4709 7A61K 31/498  
[25] EN  
[54] HETEROCYCLIC AMIDE DERIVATIVES FOR THE TREATMENT OF DIABETES AND OTHER DISEASES  
[54] DERIVES D'AMIDE HETEROCYCLIQUE DESTINES AU TRAITEMENT DU DIABETE ET D'AUTRES MALADIES  
[72] PFAHL, MAGNUS, US  
[72] TACHDJIAN, CATHERINE, US  
[72] GIACHINO, ANDREA FANJUL, US  
[72] JAKUBOWICZ-JAILLARDON, KARINE, FR  
[72] GUO, JIANHUA, US  
[72] AL-SHAMMA, HUSSIEN A., US  
[72] BOUDJELAL, MOHAMED, US  
[72] ZAPF, JAMES W., US  
[71] INCYTE SAN DIEGO INCORPORATED, US  
[85] 2004-09-08  
[86] 2003-03-07 (PCT/US2003/006784)  
[87] 2003-09-18 (WO2003/075924)  
[30] US (60/362,702) 2002-03-08

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**[21] 2,478,343**  
[13] A1

[51] Int.Cl. 7G06F 17/60 7G06K 5/00  
7G06F 7/08  
[25] EN  
[54] CARD-BASED SYSTEM AND METHOD FOR ISSUING NEGOTIABLE INSTRUMENTS  
[54] SYSTEME A BASE DE CARTE, ET PROCEDE, POUR LA DELIVRANCE D'INSTRUMENTS NEGOCIABLES  
[72] COYLE, ADAM, US  
[71] FIRST DATA CORPORATION, US  
[85] 2004-09-08  
[86] 2002-03-08 (PCT/US2002/007032)  
[87] 2003-09-25 (WO2003/079261)

## Demandes PCT entrant en phase nationale

[21] 2,478,344  
[13] A1

[51] Int.Cl. 7B65D 33/00 7G09F 23/00  
**7B65D 85/60**  
[25] EN  
[54] METHOD FOR SELLING CONFECTIONERY, METHOD FOR PROVIDING INFORMATION, METHOD FOR SELLING ADVERTISING, AND PACKAGE TO BE USED BY A NUMBER OF METHODS  
[54] PROCEDE DE VENTE DE CONFISERIE, PROCEDE DE FOURNITURE D'INFORMATION, PROCEDE DE VENTE DE PUBLICITE, ET EMBALLAGE DESTINE A ETRE UTILISE PAR LES DIVERS PROCEDES  
[72] RASMUSSEN, ULRIK SKOVGAARD, DK  
[71] DANDY A/S, DK  
[85] 2004-09-07  
[86] 2002-03-08 (PCT/DK2002/000156)  
[87] 2003-09-18 (WO2003/076284)

[21] 2,478,347  
[13] A1

[51] Int.Cl. 7H01S 3/098  
[25] EN  
[54] ATOMIC CLOCK BASED ON AN OPTO-ELECTRONIC OSCILLATOR  
[54] HORLOGE ATOMIQUE FONDEE SUR UN OSCILLATEUR OPTO-ELECTRONIQUE  
[72] MALEKI, LUTFOLLAH, US  
[72] YU, NAN, US  
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US  
[85] 2004-09-07  
[86] 2003-04-09 (PCT/US2003/010983)  
[87] 2003-10-23 (WO2003/088472)  
[30] US (60/371,055) 2002-04-09

[21] 2,478,349  
[13] A1

[51] Int.Cl. 7F04B 17/00 7F04B 35/04  
[25] EN  
[54] CENTRIFUGAL PUMP WITH SWITCHED RELUCTANCE MOTOR DRIVE  
[54] POMPE CENTRIFUGE A ENTRAINEMENT PAR MOTEUR A RELUCTANCE COMMUTE  
[72] ANGLE, THOMAS L., US  
[72] OSBORN, STEVEN D., US  
[71] ENVIROTECH PUMPSYSTEMS, INC., US  
[85] 2004-09-07  
[86] 2003-04-10 (PCT/US2003/011361)  
[87] 2003-10-30 (WO2003/089788)  
[30] US (10/126,720) 2002-04-19

[21] 2,478,366  
[13] A1

[51] Int.Cl. 7G06F 17/30 7G01J 3/46  
[25] EN  
[54] COLOR MANAGEMENT AND SOLUTION DISTRIBUTION SYSTEM AND METHOD  
[54] SYSTEME ET PROCEDE DE GESTION DE COULEURS ET DE DISTRIBUTION DE SOLUTIONS  
[72] SHUFELDT, STEPHEN, US  
[72] MC CLANAHAN, CRAIG, US  
[72] FRANK, CYNTHIA, US  
[71] BASF CORPORATION, US  
[85] 2004-09-07  
[86] 2003-06-06 (PCT/US2003/018119)  
[87] 2004-02-05 (WO2004/012102)  
[30] US (10/206,556) 2002-07-26

[21] 2,478,375  
[13] A1

[51] Int.Cl. 7B21D 22/16 7F16H 55/17  
**7B21D 53/28**  
[25] EN  
[54] ANNULUS GEAR AND DRIVE SHELL  
[54] ENGRENAGE ANNULAIRE ET ENVELOPPE D'ENTRAINEMENT  
[72] CRIPSEY, TIMOTHY J., US  
[72] HUBER, DAVID P., US  
[72] VASA, BEN R., US  
[71] METAL FORMING & COINING CORPORATION, US  
[85] 2004-09-07  
[86] 2003-02-10 (PCT/US2003/003804)  
[87] 2003-09-18 (WO2003/076817)  
[30] US (60/361,993) 2002-03-05

[21] 2,478,372  
[13] A1

[51] Int.Cl. 7G11B 20/00 7G11B 20/12  
[25] EN  
[54] COPY PROTECTION SYSTEM FOR DATA CARRIERS  
[54] SYSTEME DE PROTECTION DE COPIE POUR SUPPORT DE DONNEES  
[72] MILES, ANTHONY WILLIAM, GB  
[71] FIRST 4 INTERNET LTD., GB  
[85] 2004-09-07  
[86] 2003-03-10 (PCT/GB2003/001006)  
[87] 2003-09-18 (WO2003/077246)  
[30] GB (0205459.1) 2002-03-08

[21] 2,478,378  
[13] A1

[51] Int.Cl. 7A61K 39/395  
[25] EN  
[54] NOVEL OF CYTOKINE INHIBITORS  
[54] NOUVELLE UTILISATION D'INHIBITEURS DE CYTOKINES  
[72] OLMARKER, KJELL, SE  
[71] ORTHOPAEDIC RESEARCH & DEVELOPMENT IN GOTHENBURG AB, SE  
[85] 2004-09-01  
[86] 2003-03-04 (PCT/SE2003/000347)  
[87] 2003-09-12 (WO2003/073981)  
[30] SE (0200667-4) 2002-03-05  
[30] US (10/092,919) 2002-03-08

[21] 2,478,373  
[13] A1

[51] Int.Cl. 7E21B 43/10 7E21B 4/18  
[25] EN  
[54] METHOD AND APPARATUS FOR ONE TRIP TUBULAR EXPANSION  
[54] PROCEDE ET APPAREIL D'EXPANSION TUBULAIRE EN UNE SEULE PASSE  
[72] LYNDE, GERALD D., US  
[72] BAUGH, JOHN L., US  
[72] GOMEZ, LEOPOLDO S., US  
[72] DAVIS, JOHN P., US  
[71] BAKER HUGHES INCORPORATED, US  
[85] 2004-09-07  
[86] 2003-03-07 (PCT/US2003/007024)  
[87] 2003-09-18 (WO2003/076763)  
[30] US (60/362,306) 2002-03-07

[21] 2,478,382  
[13] A1

[51] Int.Cl. 7B05C 17/02 7B05C 17/025  
**7B05C 17/035**  
[25] EN  
[54] A PAINT ROLLER FOR SELECTIVELY APPLYING PAINT AT SURFACE CORNERS  
[54] ROULEAU A PEINTURE POUR APPLICATION SELECTIVE DE PEINTURE DANS LES COINS  
[72] ER, POH, LEONG, SG  
[71] ER, POH, LEONG, SG  
[85] 2004-09-01  
[86] 2003-01-24 (PCT/SG2003/000015)  
[87] 2003-10-09 (WO2003/082479)  
[30] SG (200201815-8) 2002-04-01

## PCT Applications Entering the National Phase

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[21] 2,478,383  
[13] A1

[51] Int.Cl. 7B01D 50/00 7B01D 39/00  
7B01D 45/12 7B01D 35/30  
[25] EN  
[54] TWO STAGE AIR FILTER  
[54] FILTRE A AIR A DEUX ETAGES  
[72] BREITENFELDT, ALAN LORENZ,  
US  
[72] BROWNELL, KYLE A., US  
[72] MATHEWS, SCOTT W., US  
[72] NEITZEL, EMERY W., US  
[71] GREENHECK FAN CORPORATION,  
US  
[85] 2004-09-01  
[86] 2002-03-01 (PCT/US2002/006453)  
[87] 2003-10-16 (WO2003/084643)

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[21] 2,478,385  
[13] A1

[51] Int.Cl. 7A01N 25/02 7B65D 35/00  
7B65D 81/02 7B65D 35/08 7B65D 47/10  
7A61K 7/16 7B65D 81/24 7B65D 81/26  
7B65D 85/84  
[25] EN  
[54] FLOW CONTROL/SHOCK  
ABSORBING SEAL  
[54] SYSTEME DE FERMETURE  
PERMETTANT D'ABSORBER LES  
CHOCS ET DE REGULER LE DEBIT  
[72] TSAUR, GARRY, US  
[71] TSAUR, GARRY, US  
[85] 2004-09-01  
[86] 2002-03-04 (PCT/US2002/007096)  
[87] 2003-09-25 (WO2003/078257)

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[21] 2,478,393  
[13] A1

[51] Int.Cl. 7C07D 457/12 7A61P 43/00  
7C07D 457/02 7C07D 519/02 7C07D 457/  
04 7A61K 31/48  
[25] EN  
[54] 1-ALLYL ERGOT ALKALOID  
DERIVATIVES, METHOD FOR  
PRODUCING THE SAME AND THE USE  
THEREOF FOR PREVENTING AND  
TREATING MIGRAINE  
[54] DERIVES DE 1-ALLYL-  
ALCALOIDES ERGOT, LEUR  
PROCEDE DE PRODUCTION ET LEUR  
UTILISATION POUR PREVENIR ET  
SOULAGER DES MIGRAINES  
[72] PERTZ, HEINZ, DE  
[72] KRANDA, KAREL, DE  
[72] FLIEGER, MIROSLAV, CZ  
[72] CVAK, JAN, CZ  
[72] GLUSA, ERIKA, DE  
[72] JAENICHEN, SVEN, DE  
[71] NEUROBIOTEC GMBH, DE  
[85] 2004-09-03  
[86] 2002-12-21 (PCT/DE2002/004759)  
[87] 2003-09-18 (WO2003/076439)  
[30] DE (102 12 564.3) 2002-03-12

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[21] 2,478,394  
[13] A1

[51] Int.Cl. 7F16M 11/00 7B62H 1/00  
7A47B 91/16 7B62B 1/18 7E04H 17/20  
7E06C 7/44  
[25] EN  
[54] DEVICE FOR HEIGHT AND  
GRADIENT COMPENSATION  
[54] DISPOSITIF DE COMPENSATION  
DE HAUTEUR ET DE PENTE  
[72] HOSP, ROLAND, AT  
[71] HOSP, ROLAND, AT  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/EP2003/002247)  
[87] 2003-09-12 (WO2003/074928)  
[30] AT (A 355/02) 2002-03-07  
[30] AT (A 760/02) 2002-05-17

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[21] 2,478,405  
[13] A1

[51] Int.Cl. 7A47L 15/44 7C11D 17/00  
[25] EN  
[54] DISHWASHER UNIT DOSE  
DETERGENT DISPENSER  
[54] AMELIORATIONS RELATIVES A  
UN RECIPIENT  
[72] WIEDEMANN, RALF, DE  
[72] RYMER, SHAUN, GB  
[72] SHEARSMITH, PHIL, GB  
[72] JOWETT, LOUISE, GB  
[72] PREUSCHEN, JUDITH, DE  
[71] RECKITT BENCKISER N.V., AN  
[85] 2004-09-01  
[86] 2003-03-05 (PCT/GB2003/000921)  
[87] 2003-09-12 (WO2003/073907)  
[30] GB (0205249.6) 2002-03-06

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[21] 2,478,419  
[13] A1

[51] Int.Cl. 7G11B 7/005 7G11B 7/24  
[25] EN  
[54] METHOD AND APPARATUS FOR  
RETRIEVING INFORMATION FROM A  
3D STORAGE MEDIUM  
[54] PROCEDE ET APPAREIL  
PERMETTANT D'EXTRAIRE DES  
INFORMATIONS D'UN SUPPORT DE  
STOCKAGE TRIDIMENSIONNEL  
[72] WASSERMAN, THIERRY, IL  
[72] EYTAN, ORI, IL  
[72] SALOMON, YAIR, IL  
[72] ALPERT, ORTAL, IL  
[71] MEMPILE INC., US  
[85] 2004-09-07  
[86] 2003-03-11 (PCT/IL2003/000199)  
[87] 2003-09-18 (WO2003/077240)  
[30] US (60/363,041) 2002-03-11  
[30] US (10/096,369) 2002-03-13

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[21] 2,478,420  
[13] A1

[51] Int.Cl. 7B32B 7/06  
[25] EN  
[54] MASKING DEVICE AND METHOD  
[54] DISPOSITIF ET PROCEDE DE  
MASQUAGE  
[72] HANSEN, DANIEL, US  
[72] KRAMER, BRIAN J., US  
[71] E-Z MASK, INC., US  
[85] 2004-09-07  
[86] 2003-03-07 (PCT/US2003/007048)  
[87] 2003-09-18 (WO2003/076317)  
[30] US (10/094,575) 2002-03-08  
[30] US (10/383,146) 2003-03-06

## Demandes PCT entrant en phase nationale

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[21] 2,478,421  
[13] A1

[51] Int.Cl. 7G06F 3/00  
[25] EN  
[54] ELECTRIC DEVICE CONTROL APPARATUS  
[54] APPAREIL DE COMMANDE DE DISPOSITIF ELECTRIQUE  
[72] JOSEPHSON, JONATHAN, US  
[72] NALTY, KURT EDWARD, US  
[71] REVELATIONS IN DESIGN, LP, US  
[85] 2004-09-07  
[86] 2003-03-07 (PCT/US2003/007062)  
[87] 2003-09-18 (WO2003/077100)  
[30] US (60/363,024) 2002-03-08

[21] 2,478,424  
[13] A1

[51] Int.Cl. 7A61K 31/337 7A61K 9/107  
7A61K 9/48  
[25] EN  
[54] SELF EMULSIFYING DRUG DELIVERY SYSTEMS FOR POORLY SOLUBLE DRUGS  
[54] SYSTEMES D'APPORT DE MEDICAMENTS AUTO-EMULSIFIANTS POUR MEDICAMENTS FAIBLEMENT SOLUBLES  
[72] GARRIGUE, JEAN-SEBASTIEN, FR  
[72] BENITA, SIMON, IL  
[72] GURSOY, NESLIHAN, IL  
[72] YANG, SHICHENG, US  
[72] RAZAFINDRATSITA, ALAIN, FR  
[72] LAMBERT, GREGORY, FR  
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM, IL  
[71] NOVAGALI PHARMA SA, FR  
[85] 2004-08-31  
[86] 2003-02-28 (PCT/IB2003/001336)  
[87] 2003-09-12 (WO2003/074027)  
[30] EP (02290513.7) 2002-03-01  
[30] US (60/361,090) 2002-03-01

[21] 2,478,426  
[13] A1

[51] Int.Cl. 7A43B 13/20 7A43B 21/28  
[25] EN  
[54] BLADDER WITH HIGH PRESSURE REPLENISHMENT RESERVOIR  
[54] VESSIE A RESERVOIR DE COMPLEMENT HAUTE PRESSION  
[72] HERRIDGE, DAVID B., US  
[72] POTTER, DANIEL R., US  
[71] NIKE INTERNATIONAL LTD., US  
[85] 2004-09-01  
[86] 2003-03-05 (PCT/US2003/005054)  
[87] 2003-09-18 (WO2003/075699)  
[30] US (10/092,873) 2002-03-06

[21] 2,478,432  
[13] A1

[51] Int.Cl. 7A45C 7/00  
[25] EN  
[54] EXPANDABLE LUGGAGE WITH LOCKING EXPANSION MECHANISM  
[54] BAGAGE EXTENSIBLE AVEC MECANISME D'EXTENSION DE VERROUILLAGE  
[72] KRULIK, RICHARD J., US  
[72] RADA, GEORGENE, US  
[72] DREW, JASON V., US  
[71] BRIGGS & RILEY TRAVELWALRE, LLC, US  
[85] 2004-09-01  
[86] 2003-02-21 (PCT/US2003/005530)  
[87] 2003-09-18 (WO2003/075704)  
[30] US (10/092,764) 2002-03-06

[21] 2,478,434  
[13] A1

[51] Int.Cl. 7A45C 15/00  
[25] EN  
[54] RETRACTABLE SHOULDER STRAP FOR CARRYING CASE  
[54] BANDOULIERE RETRACTABLE POUR EQUIPEMENT DE TRANSPORT  
[72] REKUC, RICHARD J., US  
[72] KRULIK, RICHARD J., US  
[72] REKUC, STEVEN J., US  
[72] KONRAD, KARL, JR., US  
[71] UNITED STATES LUGGAGE, L.P., US  
[85] 2004-09-01  
[86] 2003-03-06 (PCT/US2003/007362)  
[87] 2003-09-18 (WO2003/075705)  
[30] US (60/362,480) 2002-03-06

[21] 2,478,436  
[13] A1

[51] Int.Cl. 7G01N 33/50 7G01N 33/53  
[25] EN  
[54] METHOD AND DEVICE FOR PREDICTING CARDIOVASCULAR EVENTS  
[54] PROCEDE ET DISPOSITIF DE PRÉDICTION D'ÉVÉNEMENTS CARDIO-VASCULAIRES  
[72] YUSUF, SALIM, CA  
[72] EIKELBOOM, JOHN, AU  
[72] HIRSH, JACK, CA  
[71] McMaster University, CA  
[85] 2004-09-08  
[86] 2003-03-24 (PCT/CA2003/000422)  
[87] 2003-10-02 (WO2003/081236)  
[30] US (60/367,883) 2002-03-24

[21] 2,478,442  
[13] A1

[51] Int.Cl. 7E21B 7/26 7E21B 7/06  
[25] EN  
[54] STEERABLE SOIL PENETRATION SYSTEM  
[54] SYSTEME ORIENTABLE DE PENETRATION DU SOL  
[72] KAPTEIJN, PIETER KAREL ANTON, NL  
[72] OOPENEN, JOSEF GUILLAUME CHRISTOFFEL, NL  
[72] VAN DER SMAN, PLEUN MARINUS, NL  
[72] SCHILTE, PAUL DIRK, NL  
[72] OOSTERLING, PETER, NL  
[72] VAN WECHEM, GUSTAAF LOUIS, NL  
[72] BEITS, MICHAEL JOHN, NL  
[71] SHELL CANADA LIMITED, CA  
[85] 2004-09-01  
[86] 2003-03-07 (PCT/EP2003/001744)  
[87] 2003-09-18 (WO2003/076760)  
[30] EP (02075911.4) 2002-03-08

[21] 2,478,457  
[13] A1

[51] Int.Cl. 7A61G 7/053  
[25] EN  
[54] HANDLE FOR HOSPITAL BED  
[54] POIGNEE DESTINEE A UN LIT D'HOPITAL  
[72] GEMELINE, SEBASTIEN, FR  
[71] HILL-ROM SERVICES, INC., US  
[85] 2004-09-01  
[86] 2003-03-05 (PCT/US2003/006877)  
[87] 2003-09-18 (WO2003/075816)  
[30] US (60/361,960) 2002-03-05

## PCT Applications Entering the National Phase

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[21] 2,478,460  
[13] A1

[51] Int.Cl. 7B07B 9/00  
[25] EN  
[54] PORTABLE SORTING SYSTEM AND METHOD FOR RECYCLABLE MATERIAL  
[54] SYSTEME ET PROCEDE DE TRIAGE TRANSPORTABLE POUR MATIERE RECYCLABLE  
[72] HUSKEY, MICHAEL, L., US  
[71] HUSKEY, MICHAEL, L., US  
[85] 2004-09-01  
[86] 2003-01-27 (PCT/US2003/002248)  
[87] 2003-09-18 (WO2003/076085)  
[30] US (10/090,604) 2002-03-04

[21] 2,478,469  
[13] A1

[51] Int.Cl. 7A61M 29/00  
[25] EN  
[54] BLOOD VESSEL OCCLUSION DEVICE  
[54] DISPOSITIF D'OCCLUSION DE VAISSEAU SANGUIN  
[72] RAVIKUMAR, SUNDARAM, US  
[72] OSBORNE, GUY L., US  
[72] ARCHICK, RICHARD J., US  
[72] GUBA, ROBERT F., US  
[71] ARVIK ENTERPRISES, LLC, US  
[85] 2004-09-01  
[86] 2003-02-28 (PCT/US2003/006195)  
[87] 2003-09-12 (WO2003/073914)  
[30] US (10/086,753) 2002-03-01

[21] 2,478,478  
[13] A1

[51] Int.Cl. 7A61K 47/48 7C08B 31/18  
[25] EN  
[54] COUPLING PROTEINS TO A MODIFIED POLYSACCHARIDE  
[54] COUPLAGE DE PROTEINES AVEC UN POLYSACCHARIDE MODIFIE  
[72] HEMBERGER, JUERGEN, DE  
[72] ORLANDO, MICHELE, DE  
[71] BIOTECHNOLOGIE-GESELLSCHAFT MITTELHESSEN MBH, DE  
[85] 2004-09-01  
[86] 2003-02-28 (PCT/EP2003/002083)  
[87] 2003-09-12 (WO2003/074087)  
[30] DE (102 09 821.2) 2002-03-06

[21] 2,478,466  
[13] A1

[51] Int.Cl. 7G01V 3/00  
[25] EN  
[54] SQUID DETECTED NMR AND MRI AT ULTRALOW FIELDS  
[54] RMN DETECTEE PAR SQUID ET IRM A CHAMPS ULTRA FAIBLES  
[72] TRABESINGER, ANDREAS HEINZ, CH  
[72] PINES, ALEXANDER, US  
[72] CLARKE, JOHN, US  
[72] MCDERMOTT, ROBERT, US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2004-09-01  
[86] 2003-02-06 (PCT/US2003/003712)  
[87] 2003-08-14 (WO2003/067267)  
[30] US (60/355,577) 2002-02-06

[21] 2,478,476  
[13] A1

[51] Int.Cl. 7A01N 25/02 7A01N 25/08 7C02F 1/50 7C02F 1/76  
[25] EN  
[54] A METHOD OF PREPARING A BIOCIDE COMPRISING STABILIZED HYPOCHLORITE AND A BROMIDE ION SOURCE AND A METHOD OF CONTROLLING MICROBIAL FOULING USING THE SAME  
[54] PROCEDE DE PREPARATION D'UN BIOCIDE CONTENANT UN HYPOCHLORITE STABILISE ET D'UNE SOURCE D'IONS DE BROMURE ET PROCEDE DE REGULATION D'UN ENCRASSEMENT MICROBIEN A L'AIDE DE CETTE SOURCE  
[72] SHIM, SANG-HEA, KR  
[72] KIM, CHUNG-SOO, KR  
[71] ACCULLALLB CO., LTD., KR  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/KR2003/000423)  
[87] 2003-09-12 (WO2003/073848)  
[30] KR (10-2002-0011639) 2002-03-05

[21] 2,478,480  
[13] A1

[51] Int.Cl. 7A61K 47/48  
[25] EN  
[54] COUPLING LOW-MOLECULAR SUBSTANCES TO HYDROXYALKYL STARCH  
[54] COUPLAGE DE SUBSTANCES A FAIBLE POIDS MOLECULAIRE AVEC UN POLYSACCHARIDE MODIFIE  
[72] HEMBERGER, JUERGEN, DE  
[72] ORLANDO, MICHELE, DE  
[71] BIOTECHNOLOGIE-GESELLSCHAFT MITTELHESSEN MBH, DE  
[85] 2004-09-01  
[86] 2003-02-28 (PCT/EP2003/002084)  
[87] 2003-09-12 (WO2003/074088)  
[30] DE (102 09 822.0) 2002-03-06

[21] 2,478,467  
[13] A1

[51] Int.Cl. 7C08J 9/10 7C08J 9/12 7C08J 9/14  
[25] EN  
[54] POLYPROPYLENE FOAM AND FOAM CORE STRUCTURE  
[54] MOUSSE POLYPROPYLENE ET STRUCTURE A AME EN MOUSSE  
[72] BECKWITH, ROBERT W., US  
[72] HOOPER, ROBERT, US  
[72] BAMBARA, JOHN D., US  
[72] KOZMA, MATTHEW L., US  
[72] HURLEY, ROBERT, US  
[71] SENTINEL PRODUCTS CORP., US  
[85] 2004-09-01  
[86] 2003-03-07 (PCT/US2003/006975)  
[87] 2003-09-18 (WO2003/076497)  
[30] US (60/362,728) 2002-03-07  
[30] US (60/362,819) 2002-03-08

[21] 2,478,477  
[13] A1

[51] Int.Cl. 7A61C 8/00  
[25] EN  
[54] IMPLANT POSITIONING DEVICE AND METHOD  
[54] DISPOSITIF ET PROCEDE DE POSITIONNEMENT D'IMPLANT  
[72] CARMICHAEL, ROBERT P., CA  
[72] SANDOR, GEORGE K.B., CA  
[71] CARMICHAEL, ROBERT P., CA  
[71] SANDOR, GEORGE K.B., CA  
[85] 2004-09-01  
[86] 2003-02-27 (PCT/CA2003/000259)  
[87] 2003-09-12 (WO2003/073957)  
[30] US (10/086,859) 2002-03-04

[21] 2,478,481  
[13] A1

[51] Int.Cl. 7A61L 27/10 7C23C 24/00  
[25] EN  
[54] METHOD OF COVERING DEVICES WITH CERAMIC LAYERS, CERAMIC SURFACE LAYERS AND COATED DEVICES  
[54] PROCEDES PERMETTANT DE RECOUVRIR DES DISPOSITIFS AVEC DES COUCHES DE CERAMIQUE, COUCHES DE SURFACE EN CERAMIQUE ET DISPOSITIFS RECOUVERTS D'UN REVETEMENT  
[72] AXEN, NIKLAS, SE  
[72] BJOERKLUND, KAJSA, SE  
[72] HERMANSSON, LEIF, SE  
[71] CERBIO TECH AB, SE  
[85] 2004-09-01  
[86] 2003-03-04 (PCT/SE2003/000359)  
[87] 2003-09-12 (WO2003/074097)  
[30] SE (0200637-7) 2002-03-04

## Demandes PCT entrant en phase nationale

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**[21] 2,478,482**

[13] A1

[51] Int.Cl. 7B01J 31/24 7C07F 3/00  
7C07D 209/04 7C07D 333/26 7C07D 207/  
46 7C07D 333/62 7C07F 9/6568  
[25] EN  
[54] METALORGANIC CATALYSTS  
FOR CHEMO-, REGIO- AND  
STEREOSELECTIVE REACTIONS,  
AND CORRESPONDING PRECURSORS  
[54] CATALYSEURS METALLIQUES  
POUR REACTIONS CHIMIO-, REGIO-  
ET STEREOSELECTIVES ET LEURS  
PRECURSEURS CORRESPONDANTS  
[72] VERRAZZANI, ALESSANDRA, IT  
[72] SANNICOLO, FRANCESCO, IT  
[72] PICCOLO, ORESTE, IT  
[72] SADA, MARA, IT  
[72] BENINCORI, TIZIANA, IT  
[72] ULLUCCI, ELIO, IT  
[72] TOLLIS, SIMONA, IT  
[72] RIZZO, SIMONA, IT  
[72] DE FERRA, LORENZO, IT  
[71] CHEMI S.P.A., IT  
[85] 2004-09-01  
[86] 2003-03-03 (PCT/EP2003/002160)  
[87] 2003-09-12 (WO2003/074169)  
[30] IT (MI2002A000415) 2002-03-01

**[21] 2,478,484**

[13] A1

[51] Int.Cl. 7B42D 15/10  
[25] EN  
[54] SECURITY DOCUMENT CARD  
AND METHOD FOR PRODUCTION  
THEREOF  
[54] DOCUMENT DE SECURITE SOUS  
FORME DE CARTE ET PROCEDE DE  
FABRICATION  
[72] JANSEN, WERNER, DE  
[72] HARTMANN, WILFRIED, DE  
[72] BEYER-MEKLENBURG, GUENTER,  
DE  
[71] BUNDESDRUCKEREI GMBH, DE  
[85] 2004-09-01  
[86] 2003-02-26 (PCT/EP2003/001955)  
[87] 2003-09-12 (WO2003/074291)  
[30] DE (102 10 182.5) 2002-03-07

**[21] 2,478,485**

[13] A1

[51] Int.Cl. 7C07D 213/55 7C07D 233/64  
[25] EN  
[54] METHOD FOR PRODUCING  
OPTICALLY ACTIVE COMPOUND  
[54] PROCEDE DE PRODUCTION DE  
COMPOSES OPTIQUEMENT ACTIFS  
[72] OJIDA, AKIO, JP  
[72] TAYA, NAOHIRO, JP  
[72] YAMANO, TORU, JP  
[71] TAKEDA CHEMICAL INDUSTRIES,  
LTD., JP  
[85] 2004-09-01  
[86] 2003-03-05 (PCT/JP2003/002563)  
[87] 2003-09-12 (WO2003/074487)  
[30] JP (2002-60402) 2002-03-06

**[21] 2,478,486**

[13] A1

[51] Int.Cl. 7C07H 21/04 7C12Q 1/68  
[25] EN  
[54] SELECTIVE ELUTION OF  
IMMOBILIZED MULTIPLEXED  
PRIMER EXTENSION PRODUCTS  
[54] ELUTION SELECTIVE DE  
PRODUITS D'EXTENSION D'AMORCE  
MULTIPLEXES ET IMMOBILISES  
[72] BREVNOV, MAXIM G., US  
[71] APPLERA CORPORATION, US  
[85] 2004-09-01  
[86] 2003-03-06 (PCT/US2003/006843)  
[87] 2003-09-18 (WO2003/076037)  
[30] US (10/096,176) 2002-03-08

**[21] 2,478,488**

[13] A1

[51] Int.Cl. 7C10G 47/00 7C09K 3/00  
7C08L 1/00 7C10M 101/02 7C10G 65/12  
7B32B 25/20  
[25] EN  
[54] A PROCESS FOR THE  
PRODUCTION OF HYDROCARBON  
FLUIDS  
[54] PROCEDE DE PRODUCTION DE  
LIQUIDES HYDROCARBONES  
[72] THEYSKENS, ANDRE A., BE  
[72] GUYOMAR, PIERRE-YVES, BE  
[71] EXXONMOBIL CHEMICAL  
PATENTS INC., US  
[85] 2004-09-01  
[86] 2003-02-28 (PCT/EP2003/002062)  
[87] 2003-09-12 (WO2003/074635)  
[30] EP (02251550.6) 2002-03-06

**[21] 2,478,495**

[13] A1

[51] Int.Cl. 7H01L 41/08  
[25] EN  
[54] PIEZOELECTRIC IGNITION  
MECHANISM  
[54] MECANISME D'ALLUMAGE  
PIEZO-ELECTRIQUE  
[72] MUSTE, JORDI, ES  
[72] GONZALVO, ELOI, ES  
[72] AMOROS, ENRIC, ES  
[71] BIC CORPORATION, US  
[85] 2004-09-01  
[86] 2003-02-27 (PCT/US2003/006200)  
[87] 2003-09-12 (WO2003/074939)  
[30] US (10/085,100) 2002-03-01

**[21] 2,478,496**

[13] A1

[51] Int.Cl. 7G01C 21/36 7G08G 1/13  
7G08G 1/137  
[25] EN  
[54] METHOD AND APPARATUS FOR  
SENDING, RETRIEVING, AND  
PLANNING LOCATION RELEVANT  
INFORMATION  
[54] PROCEDE ET APPAREIL  
PERMETTANT D'ENVOYER,  
D'EXTRAIRE ET DE PLANIFIER DES  
INFORMATIONS DE LOCALISATION  
[72] SHEHA, MICHAEL A., US  
[72] PETILLI, STEPHEN, US  
[72] SHEHA, ANGIE, US  
[71] NETWORKS IN MOTION, INC., US  
[85] 2004-09-01  
[86] 2003-03-03 (PCT/US2003/006663)  
[87] 2003-09-12 (WO2003/074973)  
[30] US (60/360,737) 2002-03-01

**[21] 2,478,497**

[13] A1

[51] Int.Cl. 7A61C 8/00  
[25] EN  
[54] SELF-DRILLING IMPLANT  
[54] IMPLANT A FORAGE AUTONOME  
[72] SANDOR, GEORGE K.B., CA  
[72] CARMICHAEL, ROBERT P., CA  
[71] SANDOR, GEORGE K.B., CA  
[71] CARMICHAEL, ROBERT P., CA  
[85] 2004-09-01  
[86] 2003-02-27 (PCT/CA2003/000258)  
[87] 2003-09-12 (WO2003/073956)  
[30] US (10/086,860) 2002-03-04

## PCT Applications Entering the National Phase

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**[21] 2,478,498**  
[13] A1

[51] Int.Cl. 7B29C 39/10  
[25] EN  
[54] ASSEMBLY FOR CASTING AND USE OF AN ISOELECTRIC FOCUSING STRIP  
[54] ENSEMBLE DE COULEE ET UTILISATION D'UNE BANDE DE FOCALISATION ISOELECTRIQUE  
[72] PANATTONI, CORY M., US  
[71] BIO-RAD LABORATORIES, INC., US  
[85] 2004-09-01  
[86] 2003-03-04 (PCT/US2003/006912)  
[87] 2003-09-25 (WO2003/078125)  
[30] US (10/095,563) 2002-03-11

---

**[21] 2,478,499**  
[13] A1

[51] Int.Cl. 7B31F 1/07  
[25] EN  
[54] ELEMENTS FOR EMBOSSED AND ADHESIVE APPLICATION  
[54] ELEMENTS DESTINES A DES APPLICATIONS DE GAUFRAGE ET D'ADHESION  
[72] SMITH, LINDA EVERE, US  
[72] TROKHAN, PAUL DENNIS, US  
[72] LEDFORD, JEFFREY SCOTT, US  
[72] ZAFFIRO, PAUL ANTHONY, US  
[72] ZIMMERMAN, DEAN ARTHUR, US  
[72] STELLJES, MICHAEL GOMER JR., US  
[72] BOUTILIER, GLENN DAVID, US  
[72] TOUSSANT, JOHN WILLIAM, US  
[72] WNUK, ANDREW JULIAN, US  
[72] LORENZ, TIMOTHY JUDE, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2004-09-01  
[86] 2003-03-14 (PCT/US2003/008061)  
[87] 2003-09-25 (WO2003/078152)  
[30] US (60/364,713) 2002-03-15  
[30] US (60/387,710) 2002-06-11

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**[21] 2,478,500**  
[13] A1

[51] Int.Cl. 7C07D 261/08 7A61P 29/00  
7A61K 31/42  
[25] EN  
[54] CRYSTALLINE PARECOXIB SODIUM  
[54] PARECOXIB SODIUM CRISTALLIN  
[72] BORCHARDT, THOMAS R., US  
[72] SHEIKH, AHMAD Y., US  
[72] FERRO, LEONARD J., US  
[72] DANZER, GERALD D., US  
[71] PHARMACIA CORPORATION, US  
[85] 2004-09-01  
[86] 2003-03-12 (PCT/US2003/007484)  
[87] 2003-09-25 (WO2003/078408)  
[30] US (60/364,567) 2002-03-15  
[30] US (60/417,987) 2002-10-11

---

**[21] 2,478,501**  
[13] A1

[51] Int.Cl. 7C07C 209/78 7C07C 263/10  
[25] EN  
[54] PROCESS FOR THE PRODUCTION OF DIAMINODIPHENYLMETHANE AND ITS HIGHER HOMOLOGUES  
[54] PROCEDE DE PRODUCTION DE DIAMINODIPHENYLMETHANE ET DE SES HOMOLOGUES SUPERIEURS  
[72] CORMA, AVELINO, ES  
[72] BOTELLA, ASCUNCION PABLO, ES  
[72] BOSMAN, JORIS KAREL PETER, BE  
[72] MITCHELL, CHRISTOPHER JOHN, BE  
[71] HUNTSMAN INTERNATIONAL LLC, US  
[85] 2004-09-01  
[86] 2003-03-25 (PCT/EP2003/003084)  
[87] 2003-10-09 (WO2003/082803)  
[30] EP (02007141.1) 2002-03-28  
[30] EP (03001932.7) 2003-01-30

**[21] 2,478,502**  
[13] A1

[51] Int.Cl. 7C07D 413/12 7A61P 31/00  
7A61P 31/04 7A61P 17/06 7C07D 263/20  
7A61K 31/422 7A61K 31/497  
[25] EN  
[54] ANTIINFECTVE COMPOUNDS, PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM  
[54] NOUVEAUX COMPOSES ANTI-INFECTIEUX, PROCESSUS DE PREPARATION DE CES COMPOSES ET COMPOSITIONS PHARMACEUTIQUES LES CONTENANT  
[72] LOHRAY, BRAJ BHUSHAN, IN  
[72] LOHRAY, VIDYA BHUSHAN, IN  
[72] SRIVASTAVA, BRIJESH KUMAR, IN  
[71] CADILA HEALTHCARE LTD., IN  
[85] 2004-09-01  
[86] 2003-03-26 (PCT/IN2003/000081)  
[87] 2003-10-09 (WO2003/082864)  
[30] IN (310/MUM/2002) 2002-04-01

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**[21] 2,478,503**  
[13] A1

[51] Int.Cl. 7B65D 81/34 7A23L 1/025  
[25] EN  
[54] UNIFORM MICROWAVE HEATING OF FOOD IN A CONTAINER  
[54] RECHAUFFEMENT UNIFORME D'ALIMENTS PAR MICRO-ONDES DANS UN CONTENANT  
[72] LOIZEAU, GERARD, US  
[72] HAYERT-BONNEVEAU, LAURENCE, FR  
[72] ZHANG, HUA, US  
[72] HELSTERN, GARY, US  
[72] YOUT, WILLIAM, FR  
[71] SOCIETE DES PRODUITS NESTLE S.A., CH  
[85] 2004-09-01  
[86] 2003-04-09 (PCT/EP2003/003712)  
[87] 2003-10-16 (WO2003/084841)  
[30] US (10/118,033) 2002-04-09

## Demandes PCT entrant en phase nationale

[21] 2,478,504  
[13] A1

[51] Int.Cl. 7G01V 7/16  
[25] EN  
[54] GRAVITY GRADIOMETER AND METHOD FOR CALCULATING A GRAVITY TENSOR WITH INCREASED ACCURACY  
[54] INSTRUMENT DE MESURE DES GRADIENTS DE GRAVITE ET PROCEDE DE CALCUL D'UN TENSEUR DE GRAVITE A PRECISION AMELIOREE  
[72] SIERACKI, DAVID L., US  
[72] DOSCH, DANIEL E., US  
[71] LOCKHEED MARTIN CORPORATION, US  
[85] 2004-09-01  
[86] 2003-03-06 (PCT/US2003/006867)  
[87] 2003-09-18 (WO2003/076970)  
[30] US (60/361,699) 2002-03-06

[21] 2,478,505  
[13] A1

[51] Int.Cl. 7G06F 17/60  
[25] EN  
[54] METHOD AND SYSTEM FOR PROCESSING CREDIT CARD RELATED TRANSACTIONS  
[54] PROCEDE ET SYSTEME DE TRAITEMENT DE TRANSACTIONS ASSOCIEES A UNE CARTE DE CREDIT  
[72] JOHNSON, DOUGLAS E., US  
[72] EMERY, TOM, US  
[72] DAVIS, NORMAN T., US  
[72] JOHNSON, REX, US  
[72] ZELECHOSKI, PETER M., US  
[72] MCKIE, RICHARD, US  
[72] LIMA, TOM, US  
[72] JOYCE, STEVE, US  
[72] EI ATA, NABIL ABU, US  
[72] PARKISON, KENT, US  
[71] FIRST DATA CORPORATION, US  
[85] 2004-09-01  
[86] 2003-03-04 (PCT/US2003/006874)  
[87] 2003-09-18 (WO2003/077068)  
[30] US (60/362,222) 2002-03-04

[21] 2,478,507  
[13] A1

[51] Int.Cl. 7H01M 4/58  
[25] EN  
[54] ALKALI/TRANSITION METAL PHOSPHATES AND RELATED ELECTRODE ACTIVE MATERIALS  
[54] METAUX ALCALINS ET DE TRANSITION, PHOSPHATES, ET MATERIAUX ACTIFS POUR ELECTRODES ASSOCIES  
[72] SAIDI, M. YAZID, US  
[72] BARKER, JEREMY, GB  
[72] SWOYER, JEFFREY L., US  
[71] VALENCE TECHNOLOGY, INC., US  
[85] 2004-09-01  
[86] 2003-03-05 (PCT/US2003/006998)  
[87] 2003-09-18 (WO2003/077335)  
[30] US (10/092,317) 2002-03-06

[21] 2,478,518  
[13] A1

[51] Int.Cl. 7A01N 47/36 7A01N 61/00  
[25] EN  
[54] HERBICIDE COMBINATIONS WITH SPECIAL SULFONYLUREAS  
[54] COMBINAISONS HERBICIDES AVEC DES SULFONYLUREES PARTICULIERES  
[72] HUFF, HANS PHILIPP, DE  
[72] BIERINGER, HERMANN, DE  
[72] HACKER, ERWIN, DE  
[71] BAYER CROPSCIENCE GMBH, DE  
[85] 2004-09-02  
[86] 2003-02-20 (PCT/EP2003/001728)  
[87] 2003-09-12 (WO2003/073854)  
[30] DE (102 09 478.0) 2002-03-05

[21] 2,478,519  
[13] A1

[51] Int.Cl. 7A61K 9/14 7A61K 9/16  
[25] EN  
[54] PROCESS FOR LOADING AND THERMODYNAMICALLY ACTIVATING DRUGS ON POLYMERS BY MEANS OF SUPERCRITICAL FLUIDS  
[54] PROCEDE DE CHARGEMENT ET D'ACTIVATION THERMODYNAMIQUE DE MEDICAMENTS SUR DES POLYMERES AU MOYEN DE FLUIDES SURCRITIQUES  
[72] BRESCIANI, MASSIMO, IT  
[72] DOBETTI, LUCA, IT  
[72] KIRCHMAYER, STEFANO, IT  
[71] EURAND PHARMACEUTICALS LTD., IE  
[85] 2004-09-02  
[86] 2003-03-07 (PCT/EP2003/002204)  
[87] 2003-09-12 (WO2003/074028)  
[30] IE (2002/0184) 2002-03-07

[21] 2,478,517  
[13] A1

[51] Int.Cl. 7A01N 47/36 7A01N 61/00  
[25] EN  
[54] HERBICIDE COMBINATION WITH ACYLATED AMINOPHENYLSULFONYLUREAS  
[54] COMBINAISON HERBICIDE AVEC DES AMINOPHENYLSULFONYLUREES ACYLEES  
[72] HACKER, ERWIN, DE  
[72] BIERINGER, HERMANN, DE  
[72] KRAEHMER, HANSJOERG, DE  
[71] BAYER CROPSCIENCE GMBH, DE  
[85] 2004-09-02  
[86] 2003-02-20 (PCT/EP2003/001726)  
[87] 2003-09-12 (WO2003/073853)  
[30] DE (102 09 430.6) 2002-03-05

## PCT Applications Entering the National Phase

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[21] **2,478,520**  
[13] A1

[51] Int.Cl. 7A61K 31/426 7C07D 417/12  
7C07D 277/24 7C07D 277/26 7A61K 31/  
427  
[25] EN  
[54] THIAZOLE AND OXAZOLE  
DERIVATIVES WHICH MODULATE  
PPAR ACTIVITY  
[54] DERIVES DE THIAZOLE ET  
D'OXAZOLE QUI MODULENT  
L'ACTIVITE DE PPAR  
[72] CHENG, XUE-MIN, US  
[72] FILZEN, GARY FREDERICK, US  
[72] LEE, CHITASE, US  
[72] GEYER, ANDREW GEORGE, US  
[72] ERASGA, NOE OUANO, US  
[72] TRIVEDI, BHARAT KALIDAS, US  
[71] WARNER-LAMBERT COMPANY, US  
[85] 2004-09-02  
[86] 2003-02-24 (PCT/IB2003/000708)  
[87] 2003-09-12 (WO2003/074050)  
[30] US (60/362,402) 2002-03-07

[21] **2,478,521**  
[13] A1

[51] Int.Cl. 7B41M 5/34  
[25] EN  
[54] MULTI COLORED THERMALLY  
SENSITIVE RECORDING MEDIUM  
[54] SUPPORT D'ENREGISTREMENT  
THERMOSENSIBLE POLYCHROME  
[72] SASAKI, TAKASHI, JP  
[72] FUKUCHI, TADAKAZU, JP  
[72] NAGAI, TATSUO, JP  
[72] HAMADA, KAORU, JP  
[71] NIPPON PAPER INDUSTRIES CO.,  
LTD., JP  
[85] 2004-09-02  
[86] 2003-02-28 (PCT/JP2003/002349)  
[87] 2003-09-12 (WO2003/074286)  
[30] JP (2002-57675) 2002-03-04

[21] **2,478,524**  
[13] A1

[51] Int.Cl. 7B65D 41/34  
[25] EN  
[54] SYNTHETIC RESIN CAP,  
CLOSING DEVICE, AND PACKAGED  
BEVERAGE  
[54] CAPUCHON EN RESINE  
SYNTETIQUE, DISPOSITIF DE  
FERMETURE ET BOISSON  
CONDITIONNEE  
[72] TSUTSUMI, HIROAKI, JP  
[72] HARADA, MITSUHARU, JP  
[72] HISANO, MASATAKA, JP  
[71] ALCOA CLOSURE SYSTEMS  
JAPAN, LIMITED, JP  
[85] 2004-09-02  
[86] 2003-03-03 (PCT/JP2003/002439)  
[87] 2003-09-12 (WO2003/074380)  
[30] JP (2002-57617) 2002-03-04

[21] **2,478,526**  
[13] A1

[51] Int.Cl. 7C07C 239/20 7C07D 335/02  
7C07C 311/04 7A01N 33/08 7C07D 409/12  
7C07C 311/17 7C07C 317/24 7C07D 213/  
30 7C07D 333/34 7C07D 233/80  
[25] EN  
[54] SUBSTITUTED ARYL KETONES  
[54] ARYLCETONE SUBSTITUEE  
[72] FEUCHT, DIETER, DE  
[72] HERRMANN, STEFAN, DE  
[72] HOISCHEN, DOROTHEE, DE  
[72] DAHMEN, PETER, DE  
[72] DREWES, MARK WILHELM, DE  
[72] PONTZEN, ROLF, DE  
[72] SCHALLNER, OTTO, DE  
[72] MUELLER, KLAUS-HELMUT, DE  
[72] KATHER, KRISTIAN, DE  
[72] SCHWARZ, HANS-GEORG, DE  
[71] BAYER CROPSCIENCE AG, DE  
[85] 2004-09-02  
[86] 2003-02-21 (PCT/EP2003/001800)  
[87] 2003-09-12 (WO2003/074475)  
[30] DE (102 09 645.7) 2002-03-05

[21] **2,478,528**  
[13] A1

[51] Int.Cl. 7C07C 317/42 7A61P 7/02  
7C07C 281/06 7C07D 271/06 7A61K 31/  
175 7A61K 31/18 7A61K 31/4245 7C07C  
311/47  
[25] EN  
[54] SEMICARBAZIDE DERIVATIVES  
AND THE USE THEREOF AS  
ANTITHROMBOTICS  
[54] DERIVES DE SEMICARBAZIDES  
ET LEUR UTILISATION EN TANT  
QU'ANTITHROMBOTIQUES  
[72] TSAKLAKIDIS, CHRISTOS, DE  
[72] DORSCH, DIETER, DE  
[72] BARNES, CHRISTOPHER, DE  
[72] MEDERSKI, WERNER, DE  
[72] GLEITZ, JOHANNES, DE  
[72] CEZANNE, BERTRAM, DE  
[71] MERCK PATENT GMBH, DE  
[85] 2004-09-02  
[86] 2003-02-06 (PCT/EP2003/001177)  
[87] 2003-09-12 (WO2003/074479)  
[30] DE (102 09 211.7) 2002-03-04

[21] **2,478,529**  
[13] A1

[51] Int.Cl. 7C12Q 1/04 7C12Q 1/00  
7G01N 33/569  
[25] EN  
[54] IN VITRO SEROLOGICAL  
METHOD OF DIAGNOSING  
INFECTIVE ENDOCARDITIS  
[54] METHODE DE DIAGNOSTIC  
SEROLOGIQUE IN VITRO DES  
ENDOCARTIDES INFECTIEUSES  
[72] RAOULT, DIDIER, FR  
[71] UNIVERSITE DE LA  
MEDITERRANEE (AIX-MARSEILLE II),  
FR  
[85] 2004-09-09  
[86] 2003-03-11 (PCT/FR2003/000783)  
[87] 2003-09-18 (WO2003/076941)  
[30] FR (02/03050) 2002-03-12

## Demandes PCT entrant en phase nationale

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**[21] 2,478,530**  
[13] A1

[51] Int.Cl. 7C08J 7/16 7H01M 8/10 7C08J  
5/22  
[25] EN  
[54] PROTON-CONDUCTING ELECTROLYTE MEMBRANE WITH LOW METHANOL PERMEABILITY AND ITS USE IN FUEL CELLS  
[54] MEMBRANE ELECTROLYTIQUE CONDUCTRICE DE PROTONS A PERMEABILITE REDUITE AU METHANOL ET SON UTILISATION DANS DES PILES A COMBUSTIBLE  
[72] CRIVELLO, JAMES, US  
[72] UENSAL, OEMER, DE  
[72] KIEFER, JOACHIM, DE  
[72] CALUNDANN, GORDON, US  
[71] PEMEAS GMBH, DE  
[85] 2004-09-02  
[86] 2003-03-04 (PCT/EP2003/002397)  
[87] 2003-09-12 (WO2003/074597)  
[30] DE (102 09 685.6) 2002-03-06  
[30] DE (102 10 499.9) 2002-03-11

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**[21] 2,478,531**  
[13] A1

[51] Int.Cl. 7F01L 1/18  
[25] EN  
[54] ROCKER ARM SHAFT FOR AN AUTOMOBILE ENGINE  
[54] TIGE DE CULBUTEUR POUR MOTEUR AUTOMOBILE  
[72] OH, JAE-OOK, KR  
[71] GM DAEWOO AUTO & TECHNOLOGY COMPANY, KR  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/KR2003/000426)  
[87] 2003-09-12 (WO2003/074842)  
[30] KR (10-2002-001 1540) 2002-03-05

**[21] 2,478,532**  
[13] A1

[51] Int.Cl. 7F16L 37/24  
[25] EN  
[54] CONNECTION DEVICE WITH RELEASE PREVENTING STRUCTURE  
[54] DISPOSITIF DE CONNEXION EQUIPE D'UNE STRUCTURE EVITANT LE DESSERRAGE  
[72] HORIMOTO, AKIRA, JP  
[72] NAKAMURA, TETSUYA, JP  
[72] YUDA, KAZUHIRO, JP  
[72] ISO, MASAAKI, JP  
[72] HIRAYAMA, ATSUSHI, JP  
[72] TAMADA, KAZUYUKI, JP  
[71] SAKURA RUBBER CO., LTD., JP  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/JP2003/002595)  
[87] 2003-09-12 (WO2003/074922)  
[30] JP (2002-59341) 2002-03-05

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**[21] 2,478,533**  
[13] A1

[51] Int.Cl. 7G11B 20/12 7G11B 20/10  
[25] EN  
[54] DEVICE, RECORD CARRIER AND METHOD FOR RECORDING INFORMATION  
[54] DISPOSITIF, SUPPORT D'ENREGISTREMENT ET PROCEDE D'ENREGISTREMENT D'INFORMATIONS  
[72] WEIJENBERGH, PAULUS G. P., NL  
[72] NIJBOER, JAKOB G., NL  
[71] KONINKLIJKE PHILIPS ELECTRONICS N.V., NL  
[85] 2004-09-02  
[86] 2003-02-07 (PCT/IB2003/000456)  
[87] 2003-09-12 (WO2003/075265)  
[30] EP (02075892.6) 2002-03-05

**[21] 2,478,534**  
[13] A1

[51] Int.Cl. 7A61K 31/5377 7C07D 403/02  
7C07D 413/02 7C07D 235/14 7A61K 31/4184 7A61K 31/4439  
[25] EN  
[54] N3 ALKYLATED BENZIMIDAZOLE DERIVATIVES AS MEK INHIBITORS  
[54] DERIVES DE BENZIMIDAZOLE N3 ALKYLES SERVANT D'INHIBITEURS DE MEK  
[72] HURLEY, T. BRIAN, US  
[72] MARLOW, ALLISON L., US  
[72] LYSSIKATOS, JOSEPH P., US  
[72] WALLACE, ELI M., US  
[71] ARRAY BIOPHARMA, INC., US  
[85] 2004-09-02  
[86] 2003-03-13 (PCT/US2003/007565)  
[87] 2003-09-25 (WO2003/077855)  
[30] US (60/364,164) 2002-03-13

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**[21] 2,478,537**  
[13] A1

[51] Int.Cl. 7B65B 9/04  
[25] EN  
[54] BLISTER PACKAGING MACHINE  
[54] MACHINE DE CONDITIONNEMENT SOUS BLISTER  
[72] HAHNEL, BERND, DE  
[71] IWK VERPACKUNGSTECHNIK GMBH, DE  
[85] 2004-09-01  
[86] 2004-01-20 (PCT/EP2004/000380)  
[87] 2004-08-05 (WO2004/065221)  
[30] DE (103 02 725.4) 2003-01-23

## PCT Applications Entering the National Phase

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**[21] 2,478,540**  
[13] A1

[51] Int.Cl. 7C07D 231/56 7A61P 35/00  
7C07D 401/04 7C07D 403/04 7C07D 405/  
04 7C07D 409/04 7C07D 471/04 7C07D  
401/12 7C07D 403/12 7C07D 409/12  
7C07D 413/12 7C07D 413/14 7A61K 31/  
416  
[25] FR  
[54] INDAZOLES SUBSTITUES AVEC  
UNE ACTIVITE ANTICANCEREUSE  
[54] INDAZOLES SUBSTITUTED WITH  
AN ANTI-CANCEROUS ACTIVITY  
[72] FILOCHE, BRUNO, FR  
[72] TERRIER, CORINNE, FR  
[72] CHERRIER, MARIE-PIERRE, FR  
[72] NARDI, FREDERICO, FR  
[72] DAMOUR, DOMINIQUE, FR  
[72] NEMECEK, PATRICK, FR  
[72] CARRY, JEAN-CHRISTOPHE, FR  
[72] BEZARD, DANIEL, FR  
[71] AVENTIS PHARMA S.A., FR  
[85] 2004-09-03  
[86] 2003-03-07 (PCT/FR2003/000751)  
[87] 2003-09-25 (WO2003/078402)  
[30] FR (02/02996) 2002-03-11

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**[21] 2,478,542**  
[13] A1

[51] Int.Cl. 7C07D 231/56 7A61P 25/00  
7C07D 401/04 7C07D 405/04 7C07D 409/  
04 7A61K 31/416  
[25] FR  
[54] DERIVES D~AMINOINDAZOLES  
COMME INHIBITEURS DE PROTEINE-  
KINASE  
[54] DERIVES D~AMINOINDAZOLES  
COMME INHIBITEURS DE PROTEINE-  
KINASE  
[72] HALLEY, FRANCK, FR  
[72] DUTRUC-ROSSET, GILLES, FR  
[72] LESUISSE, DOMINIQUE, FR  
[72] ROONEY, THOMAS, FR  
[71] AVENTIS PHARMA S.A., FR  
[85] 2004-09-03  
[86] 2003-03-07 (PCT/FR2003/000752)  
[87] 2003-09-25 (WO2003/078403)  
[30] FR (02/02997) 2002-03-11

---

**[21] 2,478,544**  
[13] A1

[51] Int.Cl. 7B65B 57/00 7B65B 59/00  
7B65B 9/04  
[25] EN  
[54] METHOD FOR CONTROLLING A  
BLISTER PACKAGING MACHINE  
[54] PROCEDE DE COMMANDE D'UNE  
MACHINE DE CONDITIONNEMENT  
SOUS BLISTER  
[72] CHRIST, RICHARD, DE  
[71] IWK VERPACKUNGSTECHNIK  
GMBH, DE  
[85] 2004-09-01  
[86] 2004-01-20 (PCT/EP2004/000381)  
[87] 2004-08-05 (WO2004/065223)  
[30] DE (103 02 723.8) 2003-01-23

---

**[21] 2,478,545**  
[13] A1

[51] Int.Cl. 7A61B 5/00  
[25] EN  
[54] REMOTE MONITORING SYSTEM  
FOR AMBULATORY PATIENTS  
[54] SYSTEME DE SURVEILLANCE A  
DISTANCE POUR PATIENTS  
AMBULATOIRES  
[72] COSENTINO, LOUIS C., US  
[72] COSENTINO, DANIEL L., US  
[71] CARDIOCOM, US  
[85] 2004-09-02  
[86] 2003-03-06 (PCT/US2003/007099)  
[87] 2003-09-18 (WO2003/075756)  
[30] US (10/093,948) 2002-03-07

---

**[21] 2,478,546**  
[13] A1

[51] Int.Cl. 7C25C 3/08  
[25] EN  
[54] ALUMINIUM ELECTROWINNING  
CELL DESIGN WITH MOVABLE  
INSULATING COVER SECTIONS  
[54] CONCEPTION DE CELLULE  
D'EXTRACTION ELECTROLYTIQUE  
D'ALUMINIUM COMPORANT DES  
PARTIES MOBILES D'ENVELOPPE  
D'ISOLATION  
[72] DE NORA, VITTORIO, BS  
[72] BERCLAZ, GEORGES, CH  
[71] MOLTECH INVENT S.A., LU  
[85] 2004-09-01  
[86] 2003-06-03 (PCT/IB2003/002360)  
[87] 2003-12-11 (WO2003/102274)  
[30] IB (PCT/IB02/02018) 2002-06-04

---

**[21] 2,478,550**  
[13] A1

[51] Int.Cl. 7A61F 13/49  
[25] EN  
[54] PULL-ON DISPOSABLE DIAPER  
[54] COUCHE ENFILABLE JETABLE  
[72] OTSUBO, TOSHIKUMI, JP  
[72] TAKINO, SHUNSUKE, JP  
[71] UNI-CHARM CO., LTD., JP  
[85] 2004-09-02  
[86] 2003-02-19 (PCT/JP2003/001804)  
[87] 2003-09-18 (WO2003/075815)  
[30] JP (2002/69028) 2002-03-13

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**[21] 2,478,551**  
[13] A1

[51] Int.Cl. 7A01B 79/00 7A01C 1/00  
7A01G 1/00 7A01H 3/00 7A01B 79/02  
7A01N 3/02 7A01G 5/06  
[25] EN  
[54] PLANT PRESERVATION SYSTEMS  
[54] SYSTEMES DE CONSERVATION  
DES PLANTES  
[72] JAISWAL, SUDHIR K., US  
[71] JAISWAL, SUDHIR K., US  
[85] 2004-09-01  
[86] 2003-03-03 (PCT/US2003/006514)  
[87] 2003-09-18 (WO2003/075638)  
[30] US (60/362,002) 2002-03-05  
[30] US (10/188,663) 2002-07-01

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**[21] 2,478,553**  
[13] A1

[51] Int.Cl. 7A23K 1/00 7A23L 1/03  
7C12N 1/04 7A61K 35/74  
[25] EN  
[54] PROBIOTIC DELIVERY SYSTEM  
[54] SYSTEME D'ADMINISTRATION  
PROBIOTIQUE  
[72] UBBINK, JOHAN BERNARD, CH  
[72] SCHAER-ZAMMARETTI, PRISCA,  
CH  
[72] CAVADINI, CHRISTOPH, CH  
[71] SOCIETE DES PRODUITS NESTLE  
S.A., CH  
[85] 2004-09-02  
[86] 2003-03-12 (PCT/EP2003/002597)  
[87] 2003-09-18 (WO2003/075676)  
[30] EP (02005607.3) 2002-03-12

## Demandes PCT entrant en phase nationale

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[21] 2,478,555  
[13] A1

[51] Int.Cl. 7G06F 17/60  
[25] EN  
[54] SUPPLY CHAIN FULFILLMENT COORDINATION  
[54] COORDINATION D'EXECUTION DE CHAINE D'APPROVISIONNEMENT  
[72] KALLE, THOMAS, DE  
[72] HIRTH, JOCHEN, DE  
[72] VON HELMOLT, HANS-ULRICH, DE  
[71] SAP AKTIENGESELLSCHAFT, DE  
[85] 2004-09-02  
[86] 2003-03-06 (PCT/EP2003/002279)  
[87] 2003-09-12 (WO2003/075195)  
[30] US (60/362,382) 2002-03-06  
[30] US (10/208,200) 2002-07-31  
[30] US (10/282,765) 2002-10-28

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[21] 2,478,556  
[13] A1

[51] Int.Cl. 7B01J 19/00 7G06F 19/00  
[25] EN  
[54] METHODS AND SYSTEMS FOR DISCOVERY OF CHEMICAL COMPOUNDS AND THEIR SYNTHESES  
[54] PROCEDES ET SYSTEMES DESTINES A LA DECOUVERTE DE COMPOSES CHIMIQUES ET A LEUR SYNTHESE  
[72] TREML, ANDREAS, DE  
[72] ALMSTETTER, MICHAEL, DE  
[72] ZEGAR, PETER, DE  
[72] THORMANN, MICHAEL, DE  
[72] WEBER, LUTZ, DE  
[71] MORPHOCHEM AKTIENGESELLSCHAFT FUR KOMBINATORISCHE CHEMIE, DE  
[85] 2004-09-02  
[86] 2003-03-24 (PCT/EP2003/003054)  
[87] 2003-10-02 (WO2003/080232)  
[30] US (60/366,548) 2002-03-22

---

[21] 2,478,558  
[13] A1

[51] Int.Cl. 7A61K 9/20 7A61K 9/24  
[25] EN  
[54] NALTREXONE HYDROCHLORIDE COMPOSITIONS  
[54] COMPOSITIONS A BASE DE CHLORHYDRATE DE NALTREXONE  
[72] MANNION, RICHARD, US  
[72] GOLIBER, PHILIP, US  
[72] HUANG, HUA-PIN, US  
[72] OSHLACK, BENJAMIN, US  
[71] EUROCELTIQUE, S.A., LU  
[85] 2004-09-02  
[86] 2003-03-14 (PCT/US2003/007932)  
[87] 2003-09-25 (WO2003/077867)  
[30] US (60/364,521) 2002-03-14

---

[21] 2,478,561  
[13] A1

[51] Int.Cl. 7A61L 9/03 7B60H 3/00 7A61L 9/02 7A61L 9/04 7A61L 9/12 7A61L 9/14 7A01M 1/20  
[25] EN  
[54] METHODS, DEVICES, AND ARTICLES FOR CONTROLLING THE RELEASE OF VOLATILE MATERIALS  
[54] PROCEDES, DISPOSITIFS ET ARTICLES DE CONTROLE DE LIBERATION DE MATIERES VOLATILES  
[72] MURDELL, RACHEL T., US  
[72] HARDY, CHARLES MICHAEL, US  
[72] WESTRING, BRICE DANIEL, US  
[72] BARTSCH, ERIC RICHARD, US  
[72] KVIETOK, FRANK ANDREJ, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2004-09-02  
[86] 2003-02-27 (PCT/US2003/006001)  
[87] 2003-09-25 (WO2003/077962)  
[30] US (10/098,581) 2002-03-15

---

[21] 2,478,567  
[13] A1

[51] Int.Cl. 7A61N 5/00  
[25] EN  
[54] A DEVICE AND METHOD FOR TREATMENT OF EXTERNAL SURFACES OF A BODY UTILIZING A LIGHT-EMITTING CONTAINER  
[54] DISPOSITIF ET PROCEDE DE TRAITEMENT DE SURFACES EXTERNES D'UN CORPS AU MOYEN D'UN CONTENANT EMETTEUR DE LUMIERE  
[72] ZELICKSON, BRIAN, US  
[72] GANZ, ROBERT A., US  
[71] ZELICKSON, BRIAN, US  
[71] GANZ, ROBERT A., US  
[85] 2004-09-02  
[86] 2003-03-17 (PCT/US2003/008156)  
[87] 2003-09-25 (WO2003/077996)  
[30] US (60/364,976) 2002-03-15

---

[21] 2,478,568  
[13] A1

[51] Int.Cl. 7D04H 1/42 7B60R 13/08 7D04H 1/52 7E04B 1/74  
[25] EN  
[54] INSULATING MATERIAL  
[54] MATERIAU ISOLANT  
[72] TILTON, JEFFREY A., US  
[71] OWENS CORNING, US  
[85] 2004-09-02  
[86] 2003-02-28 (PCT/US2003/006049)  
[87] 2003-09-25 (WO2003/078714)  
[30] US (10/099,659) 2002-03-15

---

[21] 2,478,569  
[13] A1

[51] Int.Cl. 7H01R 9/22  
[25] EN  
[54] TELECOMMUNICATIONS TERMINAL MODULE AND COMBINATION INCLUDING A TERMINAL MODULE  
[54] MODULE TERMINAL DE TELECOMMUNICATION ET COMBINE COMPRENANT UN MODULE TERMINAL  
[72] DENTER, FRIEDRICH WILHELM, DE  
[72] WURSTER, PETER, DE  
[72] OTTO, HANS-DIETER, DE  
[72] SCHAUB, CORNEL, DE  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2004-09-02  
[86] 2003-03-04 (PCT/US2003/006599)  
[87] 2003-09-25 (WO2003/079644)  
[30] DE (202 03 912.9) 2002-03-11

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[21] 2,478,570  
[13] A1

[51] Int.Cl. 7G06F 13/42 7G06F 13/16 7G06F 15/80  
[25] EN  
[54] DATA PROCESSING APPARATUS AND SYSTEM AND METHOD FOR CONTROLLING MEMORY ACCESS  
[54] APPAREIL ET SYSTEME DE TRAITEMENT DE DONNEES, PROCEDE DE COMMANDE DE L'ACCES MEMOIRE  
[72] LE, THINH M., CA  
[72] HO, TUAN, CA  
[72] GIERNALCZYK, ERIC, CA  
[72] STEWART, ANDREW, CA  
[72] STEWART, MALCOM, CA  
[72] NITA, ADRIAN G., CA  
[72] WONG, DENNY, CA  
[71] ATSANA SEMICONDUCTOR CORP., CA  
[85] 2004-09-02  
[86] 2002-03-04 (PCT/CA2002/000278)  
[87] 2002-09-12 (WO2002/071239)  
[30] US (60/272,301) 2001-03-02

## PCT Applications Entering the National Phase

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**[21] 2,478,571**  
[13] A1

[51] Int.Cl. 7G06F 15/80  
[25] EN  
[54] APPARATUS FOR VARIABLE WORD LENGTH COMPUTING IN AN ARRAY PROCESSOR  
[54] APPAREIL DE CALCUL DE LA LONGUEUR DE MOTS VARIABLES POUR UN PROCESSEUR VECTORIEL  
[72] STEWART, MALCOLM, CA  
[72] GIERNALCZYK, ERIC, CA  
[71] ATSANA SEMICONDUCTOR CORP., CA  
[85] 2004-09-02  
[86] 2002-03-04 (PCT/CA2002/000279)  
[87] 2002-09-12 (WO2002/071240)  
[30] US (60/272,301) 2001-03-02

---

**[21] 2,478,573**  
[13] A1

[51] Int.Cl. 7G06F 15/173 7G06F 15/80  
[25] EN  
[54] AN APPARATUS FOR CONTROLLING ACCESS IN A DATA PROCESSOR  
[54] APPAREIL DE CONTROLE DES ACCES DANS UN PROCESSEUR DE DONNEES  
[72] GIERNALCZYK, ERIC, CA  
[72] STEWART, MALCOLM, CA  
[72] BERIAULT, RICHARD, CA  
[71] ATSANA SEMICONDUCTOR CORP., CA  
[85] 2004-09-02  
[86] 2002-03-04 (PCT/CA2002/000299)  
[87] 2002-09-12 (WO2002/071246)  
[30] US (60/272,301) 2001-03-02

---

**[21] 2,478,575**  
[13] A1

[51] Int.Cl. 7H01M 8/18 7H01M 8/04  
[25] EN  
[54] METHOD FOR DESIGNING REDOX FLOW BATTERY SYSTEM  
[54] PROCEDE DE CONCEPTION D'UN SYSTEME DE BATTERIE REDOX A CIRCULATION CONSTANTE  
[72] TOKUDA, NOBUYUKI, JP  
[72] DEGUCHI, HIROSHIGE, JP  
[72] SHIGEMATSU, TOSHIO, JP  
[71] SUMITOMO ELECTRIC INDUSTRIES, INC., JP  
[71] THE KANSAI ELETRIC POWER CO., INC., JP  
[85] 2004-09-02  
[86] 2003-04-21 (PCT/JP2003/005059)  
[87] 2003-11-06 (WO2003/092110)  
[30] JP (2002-120157) 2002-04-23

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**[21] 2,478,581**  
[13] A1

[51] Int.Cl. 7A61F 2/44  
[25] EN  
[54] INTERVERTEBRAL IMPLANT  
[54] IMPLANT INTERVERTEBRAL  
[72] CAIN, CHRIS M. J., AU  
[72] MATHIEU, CLAUDE, CH  
[71] SYNTHES (U.S.A.), US  
[85] 2004-09-02  
[86] 2002-02-19 (PCT/CH2002/000099)  
[87] 2003-08-28 (WO2003/070128)

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**[21] 2,478,583**  
[13] A1

[51] Int.Cl. 7B62D 7/20  
[25] EN  
[54] STEERING LINK WITH BUCKLE PORTION  
[54] BARRE DE DIRECTION PRESENTANT UNE PARTIE DE BOUCLE  
[72] SPAGNUOLO, STEVEN P., US  
[72] NIEF, GLENN G., US  
[71] KOYO STEERING SYSTEMS OF NORTH AMERICA, INC., US  
[85] 2004-09-02  
[86] 2003-02-24 (PCT/US2003/005604)  
[87] 2003-09-18 (WO2003/076254)  
[30] US (10/092,699) 2002-03-07

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**[21] 2,478,584**  
[13] A1

[51] Int.Cl. 7B01D 35/147 7B01D 35/153  
[25] EN  
[54] VALVE FOR FLUID FILTER  
[54] SOUPAPE POUR FILTRE A FLUIDE  
[72] CLINE, L. STEVEN, US  
[71] ARVIN TECHNOLOGIES, INC., US  
[85] 2004-09-02  
[86] 2002-10-03 (PCT/US2002/031562)  
[87] 2003-10-02 (WO2003/080217)  
[30] US (10/102,027) 2002-03-20

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**[21] 2,478,585**  
[13] A1

[51] Int.Cl. 7A01K 15/02 7A23K 1/00  
7A23K 1/16 7A23K 1/18  
[25] EN  
[54] A CHEWABLE TOY FOR ANIMALS  
[54] JOUET POUR ANIMAUX  
POUVANT ETRE MACHONNE  
[72] LEO, FRANCA, IT  
[71] CIUFFO GATTO S.R.L., IT  
[85] 2004-09-02  
[86] 2003-02-24 (PCT/EP2003/001843)  
[87] 2003-09-18 (WO2003/075644)  
[30] EP (02425133.2) 2002-03-08

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**[21] 2,478,586**  
[13] A1

[51] Int.Cl. 7A61K 7/13  
[25] EN  
[54] HAIR COLORING COMPOSITIONS BASED ON DIAMINOPYRAZOLE COMPOUNDS  
[54] COMPOSITIONS DE COLORATION DE CHEVEUX A BASE DE COMPOSES DE DIAMINOPYRAZOLE  
[72] LIM, MU-III, US  
[72] PAN, YUH-GUO, US  
[72] BURDZOVIC, SABINA, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2004-09-02  
[86] 2003-02-27 (PCT/US2003/006004)  
[87] 2003-09-18 (WO2003/075872)  
[30] US (10/090,377) 2002-03-04

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**[21] 2,478,587**  
[13] A1

[51] Int.Cl. 7A01N 43/653 7A01N 51/00  
7A01N 47/02 7A01N 57/16  
[25] EN  
[54] FUNGICIDAL MIXTURES BASED ON PROTHIOCONAZOLE AND CONTAINING AN INSECTICIDE  
[54] MELANGES FONGICIDES A BASE DE PROTHIOCONAZOLE CONTENANT UN INSECTICIDE  
[72] LORENZ, GISELA, DE  
[72] SPADAFORA, V. JAMES, US  
[72] AMMERMANN, EBERHARD, DE  
[72] SCHELBERGER, KLAUS, DE  
[72] CHRISTEN, THOMAS, DE  
[72] STIERL, REINHARD, DE  
[72] STRATHMANN, SIEGFRIED, DE  
[71] BASF AKTIENGESELLSCHAFT, DE  
[85] 2004-09-02  
[86] 2003-03-04 (PCT/EP2003/002191)  
[87] 2003-09-18 (WO2003/075653)  
[30] DE (102 10 135.3) 2002-03-08

## Demandes PCT entrant en phase nationale

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**[21] 2,478,588**  
[13] A1

[51] Int.Cl. 7A61K 7/00  
[25] EN  
[54] ANTI-MICROBIAL BREATH FRESHENING MOUTHRINSE  
[54] BAIN DE RINCAGE DE BOUCHE ANTIMICROBIEN RAFRAICHISSANT L'HALEINE  
[72] NILES, HOLLANDRA P., US  
[72] DE PIERRO, KAREN J., US  
[72] CURTIS, JOHN P., US  
[72] NABI, NURAN, US  
[72] SIMONE, ALEXANDER J., US  
[72] CHRISTINA-BECK, LISA, US  
[71] COLGATE-PALMOLIVE COMPANY, US  
[85] 2004-09-02  
[86] 2003-02-27 (PCT/US2003/006204)  
[87] 2003-09-18 (WO2003/075865)  
[30] US (60/361,511) 2002-03-04  
[30] US (10/358,710) 2003-02-05

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**[21] 2,478,589**  
[13] A1

[51] Int.Cl. 7A61K 31/21 7A01N 37/00  
[25] EN  
[54] NEMATICIDAL FATTY ACID AND FATTY ACID ESTER RELATED COMPOUNDS  
[54] ACIDE GRAS NEMATICIDE ET COMPOSES APPARENTES A DES ESTERS D'ACIDE GRAS  
[72] SHORTT, BARRY J., US  
[72] DAVILA-APONTE, JENNIFER A., US  
[72] HRESKO, MICHELLE COUTU, US  
[72] MCCLAIRD, MERRY B., US  
[72] WILLIAMS, DERYCK J., US  
[72] MCCARTER, JAMES P., US  
[72] BRADLEY, JOHN D., US  
[72] KLOEK, ANDREW P., US  
[71] DIVERGENCE, INC., US  
[85] 2004-09-02  
[86] 2003-03-04 (PCT/US2003/006525)  
[87] 2003-09-18 (WO2003/075656)  
[30] US (10/090,527) 2002-03-04  
[30] US (10/187,683) 2002-07-01  
[30] US (60/449,132) 2003-02-21

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**[21] 2,478,594**  
[13] A1

[51] Int.Cl. 7E21B 17/042 7F16L 15/08  
[25] EN  
[54] DOUBLE SHOULDER OILFIELD TUBULAR CONNECTION  
[54] RACCORDEMENT TUBULAIRE DE GISEMENT PETROLIFERE A DOUBLE EPAULEMENT  
[72] WINSHIP, THOMAS EDWARD, US  
[71] GRANT PRIDECO LP, US  
[85] 2004-09-02  
[86] 2003-03-06 (PCT/GB2003/000944)  
[87] 2003-09-18 (WO2003/076758)  
[30] US (60/362,900) 2002-03-08

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**[21] 2,478,595**  
[13] A1

[51] Int.Cl. 7C11D 1/94 7C11D 3/20  
7C11D 1/22 7C11D 1/29 7C11D 3/37  
7C11D 3/39 7C11D 3/40 7C11D 1/90  
[25] EN  
[54] COLOR STABLE LIQUID DISH CLEANING COMPOSITIONS CONTAINING A PEROXIDE SOURCE  
[54] COMPOSITIONS DE NETTOYAGE DE VAISSELLE SOUS FORME LIQUIDE ET A COULEUR STABLE CONTENANT UNE SOURCE DE PEROXYDE  
[72] OMER, MOHAMED IBRAHIM, US  
[72] ARVANITIDOU, EVANGELIA, US  
[71] COLGATE-PALMOLIVE, US  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/US2003/006763)  
[87] 2003-09-18 (WO2003/076560)  
[30] US (10/090,702) 2002-03-05  
[30] US (10/259,069) 2002-09-27

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**[21] 2,478,599**  
[13] A1

[51] Int.Cl. 7C07C 233/63 7A61P 3/10  
7A61K 31/192  
[25] EN  
[54] SALTS OF NATEGLINIDE  
[54] SELS DE NATEGLINIDE  
[72] PARKER, DAVID JOHN, US  
[72] VIVILECCHIA, RICHARD VICTOR, US  
[72] SUTTON, PAUL ALLEN, US  
[72] DE LA CRUZ, MARILYN, US  
[71] NOVARTIS AG, CH  
[85] 2004-09-03  
[86] 2003-03-10 (PCT/EP2003/002447)  
[87] 2003-09-18 (WO2003/076393)  
[30] US (60/363,178) 2002-03-11

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**[21] 2,478,600**  
[13] A1

[51] Int.Cl. 7C07D 493/20 7A61P 33/00  
7A61K 31/357  
[25] EN  
[54] ANTIPARASITIC ARTEMISININ DERIVATIVES (ENDOPEROXIDES)  
[54] DERIVES D'ARTEMISININE ANTIPARASITAIRES (ENDOPEROXYDES)  
[72] HAYNES, RICHARD K., CN  
[71] BAYER BUSINESS SERVICES GMBH, DE  
[85] 2004-09-03  
[86] 2003-02-24 (PCT/EP2003/001839)  
[87] 2003-09-18 (WO2003/076446)  
[30] EP (02005233.8) 2002-03-08

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**[21] 2,478,601**  
[13] A1

[51] Int.Cl. 7C08L 27/10 7C08L 33/00  
7C08L 35/00 7C08L 39/00 7C08L 43/00  
7C08L 33/02 7C08L 35/02 7C08L 33/04  
7C08L 27/12  
[25] EN  
[54] DUST REPELLANT COMPOSITIONS  
[54] COMPOSITIONS REPOUSSANT LA POUSSIÈRE  
[72] SHANNON, CHRISTOPHER, US  
[72] HAYES, STEVE, US  
[71] PETROFERM INC., US  
[85] 2004-09-03  
[86] 2003-03-07 (PCT/US2003/006997)  
[87] 2003-09-18 (WO2003/076512)  
[30] US (60/362,318) 2002-03-07

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**[21] 2,478,603**  
[13] A1

[51] Int.Cl. 7C10M 141/10 7C10M 161/00  
7C10M 155/02 7C10M 133/06 7C10M 137/08 7C10M 137/10 7C10M 135/22 7C10M 145/34 7C10M 135/36 7C10M 133/44  
7C10M 133/56  
[25] EN  
[54] LUBRICATING COMPOSITIONS WITH GOOD THERMAL STABILITY AND DEMULSIBILITY PROPERTIES  
[54] COMPOSITIONS LUBRIFIANTES PRESENTANT DES PROPRIÉTÉS DE DESEMULSION ET UNE STABILITÉ THERMIQUE AVANTAGEUSES  
[72] VINCI, JAMES N., US  
[71] THE LUBRIZOL CORPORATION, US  
[85] 2004-09-03  
[86] 2003-02-26 (PCT/US2003/006060)  
[87] 2003-09-18 (WO2003/076557)  
[30] US (10/090,241) 2002-03-04

## PCT Applications Entering the National Phase

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**[21] 2,478,604**  
[13] A1

[51] Int.Cl. 7C12Q 1/00 7G01N 33/48  
7C12Q 1/68  
[25] EN  
[54] CANCER-LINKED GENE AS TARGET FOR CHEMOTHERAPY  
[54] GENE ASSOCIE AU CANCER UTILISE EN TANT QUE CIBLE POUR LA CHIMIOTHERAPIE  
[72] WEAVER, ZOE, US  
[72] YOUNG, PAUL E., US  
[72] EBNER, REINHARD, US  
[71] AVALON PHARMACEUTICALS, US  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/US2003/006819)  
[87] 2003-09-18 (WO2003/076579)  
[30] US (60/362,021) 2002-03-06

**[21] 2,478,611**  
[13] A1

[51] Int.Cl. 7G01J 3/04  
[25] EN  
[54] METHOD AND APPARATUS FOR RADIATION ENCODING AND ANALYSIS  
[54] PROCEDE ET APPAREIL DE CODAGE ET D'ANALYSE DE RAYONNEMENT  
[72] HAGLER, THOMAS W., US  
[71] ADVANCED PHOTOMETRICS, INC., US  
[85] 2004-09-02  
[86] 2003-03-06 (PCT/US2003/007369)  
[87] 2003-09-18 (WO2003/077263)  
[30] US (60/361,967) 2002-03-06  
[30] US (60/413,424) 2002-09-25

**[21] 2,478,614**  
[13] A1

[51] Int.Cl. 7A61N 1/30  
[25] EN  
[54] ELECTROMANIPULATION DEVICE AND METHOD  
[54] DISPOSITIF ET PROCEDE D'ELECTROMANIPULATION  
[72] HOFF, ANDREW, US  
[72] GILBERT, RICHARD, US  
[72] HELLER, RICHARD, US  
[72] JAROSZESKI, MARK J., US  
[71] UNIVERSITY OF SOUTH FLORIDA, US  
[85] 2004-09-02  
[86] 2002-03-13 (PCT/US2002/007637)  
[87] 2002-09-19 (WO2002/072781)  
[30] US (60/275,326) 2001-03-13

**[21] 2,478,608**  
[13] A1

[51] Int.Cl. 7G01N 33/483  
[25] EN  
[54] APPARATUS AND METHODS FOR ANALYTE MEASUREMENT AND IMMUNOASSAY  
[54] APPAREIL ET PROCEDE DE MESURE ET DE TEST IMMUNOLOGIQUE SUR UN ANALYTE  
[72] DAVIS, GRAHAM, US  
[72] LIN, CHAO, US  
[72] LAUKS, IMANTS R., CA  
[72] MILLER, CARY JAMES, CA  
[71] I-STAT CORPORATION, US  
[85] 2004-09-02  
[86] 2003-03-05 (PCT/US2003/006820)  
[87] 2003-09-18 (WO2003/076937)  
[30] US (10/087,730) 2002-03-05

**[21] 2,478,612**  
[13] A1

[51] Int.Cl. 7A61K 31/4425 7A61K 45/06  
7A61P 11/06 7A61P 11/08 7A61K 31/4375  
7A61K 31/4523  
[25] EN  
[54] PHARMACEUTICAL COMPOSITION OF A PDE4 OR A PDE3/4 INHIBITOR AND A HISTAMINE RECEPTOR ANTAGONIST  
[54] COMPOSITION PHARMACEUTIQUE CONTENANT UN INHIBITEUR DE LA PDE4 OU UN INHIBITEUR DE LA PDE3/4 ET UN ANTAGONISTE DES RECEPTEURS HISTAMINIQUES  
[72] WEIMAR, CHRISTIAN, DE  
[72] BUND SCHUH, DANIELA, DE  
[72] BEUME, ROLF, DE  
[72] WOLLIN, STEFAN-LUTZ, DE  
[71] ALTANA PHARMA AG, DE  
[85] 2004-09-03  
[86] 2003-02-25 (PCT/EP2003/001876)  
[87] 2003-09-12 (WO2003/074055)  
[30] EP (02004987.0) 2002-03-06

**[21] 2,478,617**  
[13] A1

[51] Int.Cl. 7G06F 17/60  
[25] EN  
[54] SUPPLIER PERFORMANCE REPORTING  
[54] ETABLISSEMENT DE RAPPORTS RELATIFS A L'EFFICACITE D'UN FOURNISSEUR  
[72] WONG, ALVIN, US  
[71] ACCENTURE GLOBAL SERVICES GMBH, CH  
[85] 2004-09-02  
[86] 2003-01-23 (PCT/US2003/002068)  
[87] 2003-08-14 (WO2003/067370)  
[30] US (10/071,802) 2002-02-06

**[21] 2,478,609**  
[13] A1

[51] Int.Cl. 7A61M 25/10  
[25] EN  
[54] ILIAC BIFURCATION BALLOON CATHETER  
[54] CATHETER A BALLONNET POUR BIFURCATION ILIAQUE  
[72] WILLARD, STEVEN, US  
[72] PETRICK, TIMOTHY, US  
[71] CORDIS CORPORATION, US  
[85] 2004-09-03  
[86] 2003-03-06 (PCT/US2003/006631)  
[87] 2003-09-18 (WO2003/075976)  
[30] US (60/362,576) 2002-03-07

**[21] 2,478,613**  
[13] A1

[51] Int.Cl. 7E21B 33/076  
[25] EN  
[54] AUTONOMOUS WELL INTERVENTION SYSTEM  
[54] SYSTEME D'INTERVENTION SUR PUITS AUTONOME  
[72] COWIE, GAVIN DAVID, GB  
[72] EDWARDS, JEFFREY CHARLES, GB  
[71] EXPRO NORTH SEA LIMITED, GB  
[85] 2004-09-02  
[86] 2004-01-16 (PCT/GB2004/000138)  
[87] 2004-08-05 (WO2004/065757)  
[30] GB (0301186.3) 2003-01-18

**[21] 2,478,618**  
[13] A1

[51] Int.Cl. 7C07D 401/12 7A61P 35/04  
7C07D 217/12 7C07D 403/12  
[25] EN  
[54] ISOQUINOLINE DERIVATIVES  
[54] DERIVES D'ISOQUINOLEINE  
[72] WIESNER, MATTHIAS, DE  
[72] KESSLER, HORST, DE  
[72] WEBER, DIRK, DE  
[72] GOODMAN, SIMON, DE  
[72] GOTTSCHLING, DIRK, DE  
[72] THUMSHIRN, GEORGETTE, DE  
[71] MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, DE  
[85] 2004-09-03  
[86] 2003-02-07 (PCT/EP2003/001248)  
[87] 2003-09-12 (WO2003/074512)  
[30] DE (102 09 692.9) 2002-03-06

## Demandes PCT entrant en phase nationale

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[21] 2,478,624  
[13] A1

[51] Int.Cl. 7H01L 21/00 7C30B 25/12  
7C23C 16/458 7C23C 14/50  
[25] EN  
[54] GAS DRIVEN PLANETARY ROTATION APPARATUS AND METHODS FOR FORMING SILICON CARBIDE LAYERS  
[54] APPAREIL DE ROTATION PLANETAIRE A GAZ ET PROCEDES DE FORMATION DE COUCHES EN CARBURE DE SILICIUM  
[72] PAISLEY, MICHAEL JAMES, US  
[72] SUMAKERIS, JOSEPH JOHN, US  
[71] CREE, INC., US  
[85] 2004-09-02  
[86] 2003-02-04 (PCT/US2003/003196)  
[87] 2003-10-23 (WO2003/088325)  
[30] US (10/117,858) 2002-04-08

[21] 2,478,625  
[13] A1

[51] Int.Cl. 7B01D 35/30  
[25] EN  
[54] SWIVELLING FILTER HEAD ASSEMBLY  
[54] ENSEMBLE TETE DE FILTRE TOURNANT  
[72] GILL, THOMAS, US  
[71] CULLIGAN INTERNATIONAL COMPANY, US  
[85] 2004-09-03  
[86] 2003-02-28 (PCT/US2003/006053)  
[87] 2003-09-18 (WO2003/076043)  
[30] US (10/090,247) 2002-03-04

[21] 2,478,626  
[13] A1

[51] Int.Cl. 7G02F 1/15 7G02B 17/00  
7G02B 5/08 7G02B 5/124 7G02B 5/136  
7G02B 27/14 7G02F 1/153 7G02B 7/18  
7G02B 5/26 7G02B 5/28  
[25] EN  
[54] ELECTROCHROMIC REARVIEW MIRROR ASSEMBLY INCORPORATING A DISPLAY/SIGNAL LIGHT  
[54] ENSEMBLE RETROVISEUR ELECTROCHROMIQUE INCORPORANT UN AFFICHEUR/VOYANT  
[72] FORGETTE, JEFFREY A., US  
[72] TURNBULL, ROBERT R., US  
[72] CAMMENGA, DAVID J., US  
[72] ANDERSON, JOHN S., US  
[72] BUGNO, MARK D., US  
[72] TONAR, WILLIAM L., US  
[72] HALL, PHILIP B., US  
[72] WATSON, ALAN R., US  
[71] GENTEX CORPORATION, US  
[85] 2004-09-02  
[86] 2003-04-02 (PCT/US2003/009976)  
[87] 2003-10-16 (WO2003/084780)  
[30] US (10/115,860) 2002-04-03

[21] 2,478,627  
[13] A1

[51] Int.Cl. 7C09D 11/16 7C09D 11/02  
[25] EN  
[54] SOLVENT SYSTEM AND INK MADE THEREFROM  
[54] SYSTEME DE SOLVANT ET ENCRE FABRIQUEE A PARTIR DE CE SYSTEME  
[72] SEXTON, MARTIN N., US  
[72] GODBOUT, DAVID, US  
[71] SANFORD L.P., US  
[85] 2004-09-02  
[86] 2003-04-01 (PCT/US2003/010130)  
[87] 2003-10-16 (WO2003/085055)  
[30] US (60/369,036) 2002-04-01  
[30] US (60/403,828) 2002-08-15

[21] 2,478,628  
[13] A1

[51] Int.Cl. 7H01Q 1/12 7H01Q 25/00  
7H01Q 3/02 7H01Q 1/08 7H01Q 3/24  
7H01Q 21/28  
[25] EN  
[54] DIVERSITY ANTENNA FOR UNII ACCESS POINT  
[54] ANTENNE DIVERSIFIEE POUR POINT D'ACCES UNII  
[72] MASS, JAMES, US  
[72] SALIGA, STEPHEN, US  
[72] ANDERSON, FRED, US  
[72] FRANK, TIMOTHY, US  
[71] CISCO TECHNOLOGY, INC., US  
[85] 2004-09-02  
[86] 2003-03-04 (PCT/US2003/006303)  
[87] 2003-10-16 (WO2003/085776)  
[30] US (10/091,164) 2002-03-04

[21] 2,478,629  
[13] A1

[51] Int.Cl. 7A61K 9/16 7B01D 1/18  
[25] EN  
[54] METHOD AND APPARATUS FOR PRODUCING DRY PARTICLES  
[54] PROCEDE ET APPAREIL DE PRODUCTION DE PARTICULES SECHEES  
[72] JOHNSTON, LLOYD P., US  
[72] BATYCKY, RICHARD P., US  
[72] MINTZES, JEFFREY D., US  
[72] BLIZZARD, CHARLES D., US  
[72] CHUNG, MARIE ELIZABETH, US  
[72] SUNG, JEAN C., US  
[72] JACKSON, BLAIR C., US  
[72] PENACHIO, ERNEST E., US  
[71] ADVANCED INHALATION RESEARCH, INC., US  
[85] 2004-09-02  
[86] 2003-03-19 (PCT/US2003/008398)  
[87] 2003-10-02 (WO2003/080028)  
[30] US (10/101,563) 2002-03-20

## PCT Applications Entering the National Phase

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[21] 2,478,630  
[13] A1

[51] Int.Cl. 7B65G 47/84  
[25] EN  
**POSITIVE DISPLACEMENT SORTER**  
[54] **DISPOSITIF DE TRI A DEPLACEMENT POSITIF**  
[72] NGUYEN, THANH V., US  
[72] HARKEMA, MARK S., US  
[72] VEIT, FRANK W., US  
[72] VERPLOEGEN, RHONDA J., US  
[71] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 2004-09-03  
[86] 2003-03-07 (PCT/US2003/007314)  
[87] 2003-09-18 (WO2003/076310)  
[30] US (60/362,415) 2002-03-07  
[30] US (60/368,881) 2002-03-29  
[30] US (60/446,048) 2003-02-07

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[21] 2,478,631  
[13] A1

[51] Int.Cl. 7A61K 39/21  
[25] EN  
[54] **METHOD OF INDUCING AN ENHANCED IMMUNE RESPONSE AGAINST HIV**  
[54] **METHODE DESTINEE A INDUIRE UNE REPONSE IMMUNITAIRE ACCRUE CONTRE LE VIH**  
[72] CHASTAIN, MICHAEL, US  
[72] EMINI, EMILIO A., US  
[72] CASIMIRO, DANilo R., US  
[72] FU, TONG-MING, US  
[72] LIANG, XIAOPING, US  
[72] SHIVER, JOHN W., US  
[71] MERCK & CO., INC., US  
[85] 2004-09-03  
[86] 2003-03-12 (PCT/US2003/007511)  
[87] 2003-09-18 (WO2003/076598)  
[30] US (60/363,870) 2002-03-13  
[30] US (60/392,581) 2002-06-27

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[21] 2,478,632  
[13] A1

[51] Int.Cl. 7C07C 7/04 7C07C 7/00 7F25J  
3/06 7C07C 7/09  
[25] EN  
**OLEFIN PLANT REFRIGERATION SYSTEM**  
**SYSTEME DE REFROIDISSEMENT D'INSTALLATION DE PRODUCTION D'OLEFINES**  
[72] WU, JAMES TZONG-CHAUR, US  
[72] WEI, VITUS TUAN, US  
[72] MA, QI, US  
[71] ABB LUMMUS GLOBAL INC., US  
[85] 2004-09-02  
[86] 2003-04-09 (PCT/US2003/010873)  
[87] 2003-10-23 (WO2003/087022)  
[30] US (10/121,151) 2002-04-11

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[21] 2,478,633  
[13] A1

[51] Int.Cl. 7A41D 25/02  
[25] EN  
**PREKNOTTED ADJUSTABLE FABRIC NECKTIE**  
**CRAVATE EN TISSU PRENOUEE ET REGLABLE**  
[72] GALANTE, JOHN, US  
[71] AFTER SIX, INC., US  
[85] 2004-09-02  
[86] 2003-05-19 (PCT/US2003/015871)  
[87] 2003-12-18 (WO2003/103426)  
[30] US (10/166,905) 2002-06-10

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[21] 2,478,635  
[13] A1

[51] Int.Cl. 7F16B 35/06  
[25] EN  
**A SCREW HAVING A HEAD WITH CONCAVE UNDERSIDE**  
**VIS POURVUE D'UNE TETE A FACE INFERIEURE CONCAVE**  
[72] WALther, ULI, CA  
[71] WALther, ULI, CA  
[71] WALther, GERDA, CA  
[71] WALther, MIRCO, CA  
[85] 2004-09-03  
[86] 2002-12-24 (PCT/CA2002/001997)  
[87] 2003-09-18 (WO2003/076816)  
[30] US (10/097,446) 2002-03-13

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[21] 2,478,638  
[13] A1

[51] Int.Cl. 7G06F 3/033 7G06K 11/18  
[25] EN  
**SYSTEM FOR PROVIDING AN INPUT SIGNAL, DEVICE FOR USE IN SUCH A SYSTEM AND COMPUTER INPUT DEVICE**  
**SYSTEME PERMETTANT DE FOURNIR UN SIGNAL D'ENTREE, DISPOSITIF A UTILISER DANS LEDIT SYSTEME ET DISPOSITIF D'ENTREE INFORMATIQUE**  
[72] WELBERGEN, ERWIN, NL  
[71] WELBERGEN BEHEER B.V., NL  
[85] 2004-09-03  
[86] 2003-02-26 (PCT/NL2003/000145)  
[87] 2003-09-18 (WO2003/077110)  
[30] NL (1020161) 2002-03-13

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[21] 2,478,639  
[13] A1

[51] Int.Cl. 7F02M 25/022 7F02M 25/07  
7F02D 19/12 7C10L 1/32  
[25] EN  
**PROCESS FOR REDUCING ENGINE WEAR IN THE OPERATION OF AN INTERNAL COMBUSTION ENGINE**  
**PROCEDE DE REDUCTION DE L'USURE DU MOTEUR LORS DU FONCTIONNEMENT D'UN MOTEUR THERMIQUE**  
[72] DUNCAN, DAVID A., GB  
[72] ZALAR, FRANK V., US  
[72] LANGER, DEBORAH A., US  
[72] SHAH, MAYUR P., US  
[71] THE LUBRIZOL CORPORATION, US  
[85] 2004-09-03  
[86] 2003-02-24 (PCT/US2003/005442)  
[87] 2003-09-18 (WO2003/076783)  
[30] US (10/090,500) 2002-03-04

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[21] 2,478,642  
[13] A1

[51] Int.Cl. 7C10L 5/46  
[25] EN  
**CONVERSION OF MUNICIPAL SOLID WASTE TO HIGH FUEL VALUE**  
**TRANSFORMATION DE DECHETS URBAINS SOLIDES EN VALEUR COMBUSTIBLE ELEVEE**  
[72] PHILIPSON, JOHN, CA  
[71] PHILIPSON, JOHN, CA  
[85] 2004-09-03  
[86] 2002-03-05 (PCT/CA2002/000273)  
[87] 2002-09-12 (WO2002/070635)  
[30] US (09/801,182) 2001-03-06

## Demandes PCT entrant en phase nationale

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[21] 2,478,643  
[13] A1

[51] Int.Cl. 7C10L 1/14 7C10L 10/00  
[25] EN  
[54] FUEL ADDITIVE MIXTURES FOR GASOLINES WITH SYNERGISTIC IVD PERFORMANCE  
[54] MELANGES D'ADDITIFS POUR ESSENCE PRESENTANT UNE PERFORMANCE SYNERGIQUE EN MATIERE DE DEPOTS SUR LES SOUPAPES D'ADMISSION (IVD)  
[72] SCHWAHN, HARALD, DE  
[72] POSSELT, DIETMAR, DE  
[71] BASF AKTIENGESELLSCHAFT, DE  
[85] 2004-09-03  
[86] 2003-03-05 (PCT/EP2003/002253)  
[87] 2003-09-12 (WO2003/074637)  
[30] DE (102 09 830.1) 2002-03-06

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[21] 2,478,644  
[13] A1

[51] Int.Cl. 7G06F 17/00 7G08C 17/00  
7G06F 19/00 7G06F 17/40 7G06F 17/60  
[25] EN  
[54] CONDUIT NETWORK SYSTEM  
[54] SYSTEME DE RESEAU DE CONDUITS  
[72] SCHEMPF, HAGEN, US  
[71] AUTOMATIKA, INC., US  
[85] 2004-09-03  
[86] 2003-03-06 (PCT/US2003/006841)  
[87] 2003-09-18 (WO2003/077431)  
[30] US (60/362,131) 2002-03-06

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[21] 2,478,645  
[13] A1

[51] Int.Cl. 7A61K 39/395 7A61P 25/00  
7A61K 38/47 7G01N 33/50 7A61K 38/51  
7A61K 31/70 7A61K 31/7088  
[25] EN  
[54] TREATMENT OF CENTRAL NERVOUS SYSTEM DAMAGE  
[54] TRAITEMENT D'UNE LESION DU SYSTEME NERVEUX CENTRAL (SNC)  
[72] BRADBURY, ELIZABETH JANE, GB  
[72] MCMAHON, STEPHEN BRENDAN, GB  
[72] FAWCETT, JAMES, GB  
[71] KING'S COLLEGE LONDON, GB  
[71] CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LIMITED, GB  
[85] 2004-09-03  
[86] 2003-03-04 (PCT/GB2003/000901)  
[87] 2003-09-12 (WO2003/074080)  
[30] GB (0205022.7) 2002-03-04

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[21] 2,478,646  
[13] A1

[51] Int.Cl. 7E05B 73/00  
[25] EN  
[54] EQUIPMENT SECURITY DEVICE  
[54] DISPOSITIF DE SECURITE POUR UN EQUIPEMENT  
[72] GALANT, STEVE N., CA  
[71] COMPUCAGE INTERNATIONAL INC., CA  
[85] 2004-09-03  
[86] 2003-03-04 (PCT/CA2003/000294)  
[87] 2003-09-12 (WO2003/074825)  
[30] US (10/090,272) 2002-03-04

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[21] 2,478,647  
[13] A1

[51] Int.Cl. 7H01Q 21/06 7H01Q 21/00  
[25] EN  
[54] ANTENNA  
[54] ANTENNE  
[72] VELVE, PER, NO  
[71] ATRAX AS, NO  
[85] 2004-09-03  
[86] 2002-03-06 (PCT/NO2002/000092)  
[87] 2003-09-12 (WO2003/075406)

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[21] 2,478,650  
[13] A1

[51] Int.Cl. 7C07C 303/22 7C07C 309/66  
[25] EN  
[54] PROCESS FOR THE PREPARATION OF 2-ETHOXY-3-[4-(2-{METHANESULPHONYLOXYPHENYL}ETHOXY)PHENYL]PROPANOIC ACID  
[54] NOUVEAU PROCEDE  
[72] LARSSON, MARIA, SE  
[71] ASTRAZENECA AB, SE  
[85] 2004-09-03  
[86] 2003-03-28 (PCT/GB2003/001395)  
[87] 2003-10-09 (WO2003/082812)  
[30] SE (0201005-6) 2002-04-02

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[21] 2,478,651  
[13] A1

[51] Int.Cl. 7A61K 39/21  
[25] EN  
[54] METHOD OF INDUCING AN ENHANCED IMMUNE RESPONSE AGAINST HIV  
[54] PROCEDE VISANT A INDUIRE UNE REPONSE IMMUNITAIRE RENFORCEE CONTRE LE VIH  
[72] EMINI, EMILIO A., US  
[72] LIANG, XIAOPING, US  
[72] SHIVER, JOHN W., US  
[72] CASIMIRO, DANIL R., US  
[72] FU, TONG-MING, US  
[72] BETT, ANDREW J., US  
[71] MERCK & CO., INC., US  
[85] 2004-09-03  
[86] 2003-03-12 (PCT/US2003/007727)  
[87] 2003-09-25 (WO2003/077859)  
[30] US (60/363,807) 2002-03-13

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[21] 2,478,653  
[13] A1

[51] Int.Cl. 7A61K 31/4015 7C07D 207/00  
[25] EN  
[54] METHODS OF TREATMENT WITH SELECTIVE EP4 RECEPTOR AGONISTS  
[54] PROCEDES DE TRAITEMENT AU MOYEN D'AGONISTES SELECTIFS DU RECEPTEUR EP4  
[72] CAMERON, KIMBERLY O'KEEFE, US  
[72] KNIGHT, DELVIN ROSCOE JR., US  
[72] LEFKER, BRUCE ALLEN, US  
[71] PFIZER PRODUCTS INC., US  
[85] 2004-09-03  
[86] 2003-03-06 (PCT/IB2003/000844)  
[87] 2003-09-25 (WO2003/077910)  
[30] US (60/365,711) 2002-03-18

## PCT Applications Entering the National Phase

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**[21] 2,478,654**  
[13] A1

[51] Int.Cl. 7B01D 53/047 7C10L 3/10  
7C07C 7/12 7C07C 7/13  
[25] EN  
[54] HEAVY HYDROCARBON RECOVERY FROM PRESSURE SWING ADSORPTION UNIT TAIL GAS  
[54] RECUPERATION D'HYDROCARBURES LOURDS A PARTIR DE GAZ RESIDUAIRE D'UNITE D'ADSORPTION MODULEE EN PRESSION  
[72] MITARITEN, MICHAEL J., US  
[72] DOLAN, WILLIAM B., US  
[71] ENGELHARD CORPORATION, US  
[85] 2004-09-03  
[86] 2003-03-07 (PCT/US2003/006776)  
[87] 2003-09-25 (WO2003/078029)  
[30] US (10/094,716) 2002-03-12

---

**[21] 2,478,656**  
[13] A1

[51] Int.Cl. 7B01F 13/06  
[25] EN  
[54] MIXING ASSEMBLY FOR MIXING BONE CEMENT  
[54] ENSEMBLE DE MELANGE DE CIMENT OSSEUX  
[72] HUYSER, RICHARD F., US  
[72] TAGUE, CHRISTOPHER MATTHEW, US  
[72] BROCKMAN, CHRISTOPHER SCOTT, US  
[72] COFFEEN, JARED PAUL, US  
[71] STRYKER INSTRUMENTS, US  
[85] 2004-09-03  
[86] 2003-03-13 (PCT/US2003/007567)  
[87] 2003-09-25 (WO2003/078041)  
[30] US (60/364,171) 2002-03-14

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**[21] 2,478,674**  
[13] A1

[51] Int.Cl. 7A61K 31/205 7A61P 15/08  
7A61K 31/22 7A23L 1/29  
[25] EN  
[54] COMBINED USE OF L-CARNITINE, ACETYL L-CARNITINE AND PROPIONYL L-CARNITINE FOR THE TREATMENT OF OLIGOASTHENOTERATOSPERMIA  
[54] UTILISATION COMBINEE DE L-CARNITINE, D'ACETYLE L-CARNITINE ET DE PROPIONYLE L-CARNITINE POUR LE TRAITEMENT D'OLIGOASTHENOTERATOSPERMIE  
[72] KOVERECH, ALEARDO, IT  
[72] BIAGIOTTI, GIULIO, IT  
[72] CAVALLINI, GIORGIO, IT  
[72] SARDELLI, FRANCESCA, IT  
[71] SIGMA-TAU INDUSTRIE FARMACEUTICHE RIUNITE, S.P.A., IT  
[85] 2004-09-03  
[86] 2003-04-08 (PCT/IT2003/000214)  
[87] 2003-10-16 (WO2003/084526)  
[30] IT (RM2002A000194) 2002-04-09

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**[21] 2,478,677**  
[13] A1

[51] Int.Cl. 7G06K 5/00  
[25] EN  
[54] ENHANCED IDENTIFICATION APPLIANCE  
[54] APPAREIL D'IDENTIFICATION AMELIORE  
[72] WANG, DAVID E., US  
[72] TUTTLE, JOHN RANDALL, US  
[72] BEIGEL, MICHAEL L., US  
[72] BELL, CLARK H., US  
[72] MOSHER, WALTER W., JR., US  
[72] PENUELA, OSWALDO, US  
[72] MARCUS, SAMUEL D. Y., US  
[71] PRECISION DYNAMICS CORPORATION, US  
[85] 2004-09-03  
[86] 2003-01-22 (PCT/US2003/002123)  
[87] 2003-10-02 (WO2003/081515)  
[30] US (10/101,219) 2002-03-18

---

**[21] 2,478,678**  
[13] A1

[51] Int.Cl. 7F16B 5/12 7B60R 13/02  
[25] EN  
[54] TWO STAGE ATTACHMENT ANCHOR  
[54] SYSTEME DE FIXATION A DOUBLE PHASE  
[72] WENGLINSKI, DANIEL E., US  
[72] FRITSCH, MANFRED, US  
[72] LAVALLEY, JAMES A., US  
[71] INTIER AUTOMOTIVE INC., CA  
[85] 2004-09-03  
[86] 2003-03-12 (PCT/US2003/007429)  
[87] 2003-09-25 (WO2003/078851)  
[30] US (60/364,374) 2002-03-14

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**[21] 2,478,679**  
[13] A1

[51] Int.Cl. 7F16H 55/30  
[25] EN  
[54] ROLLER CHAIN SPROCKET WITH SYMMETRIC CUSHION RINGS  
[54] PIGNON DE CHAINE A ROULEAUX, POURVU DE SEGMENTS D'AMORTISSEMENT SYMETRIQUES  
[72] YOUNG, JAMES D., US  
[71] CLOYES GEAR AND PRODUCTS, INC., US  
[85] 2004-09-03  
[86] 2003-04-15 (PCT/US2003/011744)  
[87] 2003-10-30 (WO2003/089814)  
[30] US (10/123,940) 2002-04-16

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**[21] 2,478,684**  
[13] A1

[51] Int.Cl. 7A61K 9/14 7A23L 2/00  
[25] EN  
[54] DISPERSED SOLID-CONTAINING COMPLEX CARBOHYDRATE  
[54] GLUCOSE COMPLEXE CONTENANT DES SOLIDES DISPERSES  
[72] LONG, JOHN, US  
[72] YATES, KENNETH M., US  
[72] WANG, DONGMEI, US  
[71] CARRINGTON LABORATORIES, INC., US  
[85] 2004-09-07  
[86] 2003-03-06 (PCT/US2003/006832)  
[87] 2003-09-18 (WO2003/075891)  
[30] US (10/092,957) 2002-03-07

## Demandes PCT entrant en phase nationale

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**[21] 2,478,685**  
[13] A1

[51] Int.Cl. 7A61K 31/41 7A61P 27/02  
7C07D 257/04 7C07D 471/04 7C07D 401/  
10 7C07D 403/10 7A61K 47/18 7A61K 31/  
4178 7A61K 31/4184 7A61K 31/437  
7A61K 31/4439  
[25] EN  
[54] EYE DROPS CONTAINING  
TETRAZOLE DERIVATIVE  
[54] GOUTTES OPHTALMOLOGIQUES  
CONTENANT UN DERIVE DE  
TETRAZOLE  
[72] UNEDA, TAKESHI, JP  
[72] KIMURA, AKIO, JP  
[72] MORISHIMA, KENJI, JP  
[71] SANKYO COMPANY, LIMITED, JP  
[85] 2004-09-07  
[86] 2003-03-10 (PCT/JP2003/002771)  
[87] 2003-09-18 (WO2003/075920)  
[30] JP (2002-63260) 2002-03-08

**[21] 2,478,686**  
[13] A1

[51] Int.Cl. 7G01T 1/00 7A61B 6/08  
7G01T 1/164  
[25] EN  
[54] LASER POINTER DEVICE TO  
LOCALIZE SITE OF RADIOACTIVITY  
IN THE BODY  
[54] DISPOSITIF DE POINTAGE LASER  
POUR LA LOCALISATION D'UN SITE  
DE RADIOACTIVITE DANS UN CORPS  
[72] ASHBURN, WILLIAM L., US  
[71] DIGIRAD CORPORATION, US  
[85] 2004-09-07  
[86] 2003-03-06 (PCT/US2003/007020)  
[87] 2003-09-18 (WO2003/076004)  
[30] US (60/362,673) 2002-03-08  
[30] US (10/383,230) 2003-03-05

**[21] 2,478,687**  
[13] A1

[51] Int.Cl. 7B44C 3/08 7B60R 13/00  
7B44C 3/02 7G09F 7/16  
[25] EN  
[54] EMBLEM FOR MOTOR VEHICLE  
AND METHOD OF MAKING SAME  
[54] ECUSSON POUR VEHICULE A  
MOTEUR ET PROCEDE DE  
FABRICATION DE CELUI-CI  
[72] HOPPE, HELMUT, DE  
[72] ENGLER, MANFRED, DE  
[72] HAMILTON, LESLEY, GB  
[71] 3M INNOVATIVE PROPERTIES  
COMPANY, US  
[85] 2004-09-07  
[86] 2003-01-23 (PCT/US2003/002596)  
[87] 2003-09-18 (WO2003/076210)  
[30] EP (02100237.3) 2002-03-08

**[21] 2,478,706**  
[13] A1

[51] Int.Cl. 7C07D 239/91 7C07D 213/00  
7C07D 221/00 7C07D 233/00 7C07D 239/  
00 7C07D 257/00 7A61P 29/00 7C07D 471/  
04 7C07D 401/06 7C07D 401/10 7C07D  
401/12 7A61K 31/5025 7A61K 31/505  
[25] EN  
[54] OXO-AZABICYCLIC  
COMPOUNDS  
[54] COMPOSES OXO-  
AZABICYCLIQUES  
[72] KOSTLAN, CATHERINE, US  
[72] JACOBELLI, HENRY, FR  
[72] LI, JACK, US  
[72] YUE, WEN-SONG, US  
[72] GAUDILLIERE, BERNARD, FR  
[71] WARNER-LAMBERT COMPANY, US  
[85] 2004-09-07  
[86] 2003-03-06 (PCT/EP2003/002277)  
[87] 2003-09-18 (WO2003/076417)  
[30] EP (PCT/EP02/03240) 2002-03-08

**[21] 2,478,719**  
[13] A1

[51] Int.Cl. 7C08L 33/00 7C08F 2/48  
[25] EN  
[54] PHOTOPOLYMERIZABLE  
COMPOSITION AND  
PHOTOPOLYMERIZABLE FILM  
PREPARED THEREFROM  
[54] COMPOSITION  
PHOTOPOLYMERISABLE ET FILM  
PHOTOPOLYMERISABLE FABRIQUE  
A PARTIR DE LADITE COMPOSITION  
[72] PARK, JI YOUNG, KR  
[72] KIM, EUNKYOUNG, KR  
[71] KOREA RESEARCH INSTITUTE OF  
CHEMICAL TECHNOLOGY, KR  
[85] 2004-09-07  
[86] 2004-01-10 (PCT/KR2004/000030)  
[87] 2004-07-29 (WO2004/063275)  
[30] KR (10-2003-0001654) 2003-01-10

**[21] 2,478,756**  
[13] A1

[51] Int.Cl. 7D06F 58/20  
[25] EN  
[54] FABRIC ARTICLE TREATING  
METHOD AND APPARATUS  
[54] PROCEDE ET APPAREIL DE  
TRAITEMENT D'UN ARTICLE  
TEXTILE  
[72] PANCHERI, EUGENE JOSEPH, US  
[72] COMBS, MARY JANE, US  
[72] DUVAL, DEAN LARRY, US  
[72] RIENZO, PAUL EUGENE, US  
[72] BARRON, BRADFORD SCOTT, BE  
[72] GERLACH, CHRISTIAN GERHARD  
FRIEDRICH, BE  
[71] THE PROCTER & GAMBLE  
COMPANY, US  
[85] 2004-09-07  
[86] 2003-04-22 (PCT/US2003/012473)  
[87] 2003-10-30 (WO2003/089710)  
[30] US (60/374,601) 2002-04-22  
[30] US (60/426,438) 2002-11-14

## PCT Applications Entering the National Phase

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[21] **2,478,867**  
 [13] A1

[51] Int.Cl. 7C07C 291/04 7A61K 47/02  
**7A61K 47/12**  
 [25] EN  
**[54] FORMULATIONS OF ANTHRAQUINONE DERIVATIVES**  
**[54] FORMULATIONS DE DERIVES D'ANTHRAQUINONE**  
 [72] FORD, STEVEN JOHN, GB  
 [72] DENNY, WILLIAM ALEXANDER, NZ  
 [72] HALBERT, GAVIN WILLIAM, GB  
 [72] PATTERSON, LAURENCE HYLTON, GB  
 [71] BTG INTERNATIONAL LIMITED, GB  
 [85] 2004-09-07  
 [86] 2003-03-17 (PCT/GB2003/001110)  
 [87] 2003-09-25 (WO2003/078387)  
 [30] GB (0206255.2) 2002-03-15  
 [30] US (60/412,776) 2002-09-24

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[21] **2,478,993**  
 [13] A1

[51] Int.Cl. 7A61B 10/00 7A61B 18/06  
**7B05D 1/36**  
 [25] EN  
**[54] DETECTING INTERACTIONS AT BIOMIMETIC INTERFACES WITH LIQUID CRYSTALS**  
**[54] DETECTION D'INTERACTIONS AVEC DES CRISTAUX LIQUIDES AU NIVEAU D'INTERFACES BIOMIMETIQUES**  
 [72] ABBOTT, NICHOLAS L., US  
 [72] BRAKE, JEFFREY M., US  
 [71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US  
 [85] 2004-09-01  
 [86] 2002-04-11 (PCT/US2002/011312)  
 [87] 2003-10-23 (WO2003/086197)  
 [30] US (10/119,648) 2002-04-10

---

[21] **2,479,536**  
 [13] A1

[51] Int.Cl. 7A61B 17/22  
 [25] EN  
**[54] DEVICE FOR CLOT RETRIEVAL AND DISTAL PROTECTION**  
**[54] DISPOSITIF POUR L'EXTRACTION DE CAILLOT ET DE PROTECTION DISTAL**  
 [72] HIGASHIDA, RANDALL T., US  
 [72] EPSTEIN, GORDON H., US  
 [71] MICRODISC TECHNOLOGIES, INC., US  
 [85] 2004-10-04  
 [86] 2003-04-07 (PCT/US2003/010669)  
 [87] 2003-10-05 (WO/)  
 [30] US (10/118,390) 2002-04-05

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[21] **2,480,091**  
 [13] A1

[51] Int.Cl. 7H04N 7/173 7H04N 7/16  
 [25] EN  
**[54] ELECTRONIC BUYING GUIDE ARCHITECTURE**  
**[54] ARCHITECTURE DE GUIDE D'ACHAT ELECTRONIQUE**  
 [72] CAMPBELL, COLIN P., US  
 [72] LAUGHLIN, MATTHEW J., US  
 [72] KAY, MATTHEW W., US  
 [71] INSIGHT COMMUNICATIONS, US  
 [71] MOTOROLA, INC., US  
 [71] OPEN TV, US  
 [85] 2004-06-07  
 [86] 2002-12-06 (PCT/US2002/038879)  
 [87] 2003-07-03 (WO2003/055217)  
 [30] US (60/340,071) 2001-12-07  
 [30] US (UNKNOWN) 2002-12-06

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[21] **2,480,107**  
 [13] A1

[51] Int.Cl. 7A47F 7/03 7A47F 7/00 7A47G  
**1/12**  
 [25] FR  
**[54] DISPOSITIF DE PROTECTION, DE PRESENTATION ET D'UTILISATION A DES FINS D'ORNEMENTATION COURANTE D'UNE PIECE DE MONNAIE**  
**[54] DEVICE FOR PROTECTING, DISPLAYING AND USING A COIN FOR STANDARD ORNAMENTATION PURPOSES**  
 [72] PLEVEN, LUDOVIC JOEL GEORGES, FR  
 [71] PLEVEN, LUDOVIC JOEL GEORGES, FR  
 [85] 2004-08-16  
 [86] 2003-02-14 (PCT/FR2003/000489)  
 [87] 2003-09-04 (WO2003/071902)  
 [30] FR (02/02426) 2002-02-26  
 [30] FR (03/01642) 2003-02-12

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[21] **2,480,506**  
 [13] A1

[51] Int.Cl. 7B26B 25/00 7B26D 1/00  
 [25] EN  
**[54] CUTTING BLADE THAT CAN BE ROTATIONALLY DRIVEN**  
**[54] LAME ENTRAINABLE EN ROTATION**  
 [72] WEBER, GUNTHER, DE  
 [72] KRAFT, MATTHIAS, DE  
 [71] WEBER MASCHINENBAU GMBH & CO. KG, DE  
 [85] 2004-05-07  
 [86] 2002-11-11 (PCT/EP2002/012590)  
 [87] 2003-05-15 (WO2003/039823)  
 [30] DE (101 55 048.0) 2001-11-09

## Demandes PCT entrant en phase nationale

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[21] **2,480,726**

[13] A1

[51] Int.Cl. 7H02K 21/12 7H02K 21/24

[25] EN

[54] ROTARY ELECTRIC MOTOR  
HAVING AT LEAST TWO AXIALLY  
AIR GAPS SEPARATING STATOR AND  
ROTOR SEGMENTS

[54] MOTEUR ELECTRIQUE ROTATIF  
AVEC SEGMENTS DE STATOR ET DE  
ROTOR SEPARÉS PAR AU MOINS  
DEUX ENTREFERS

[72] PYNTIKOV, ALEXANDER V., US

[72] MASLOV, BORIS A., US

[71] WAVECREST LABORATORIES,  
LLC, US

[85] 2004-10-21

[86] 2003-03-28 (PCT/US2003/008677)

[87] 2003-11-13 (WO2003/094327)

[30] US (10/134,365) 2002-04-30

## **PCT Applications Entering the National Phase**

# 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

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[21] **2,477,489**  
[13] A1

[51] Int.Cl. 7C09K 9/02 6G02F 1/15  
[25] EN  
[54] COMPLEMENTARY SURFACE  
CONFINED POLYMER  
ELECTROCHROMIC MATERIALS,  
SYSTEMS, AND METHODS OF  
FABRICATION THEREFOR  
[54] MATERIAUX  
ELECTROCHROMIQUES EN  
POLYMERES COMPLEMENTAIRES  
CONFINES EN SURFACE, ET  
SYSTEMES ET METHODES DE  
FABRICATION CORRESPONDANTS  
[72] CHUNG, YOUNG C., US  
[72] LEVENTIS, NICHOLAS, US  
[71] BIOVERIS CORPORATION, US  
[22] 1994-04-04  
[41] 1994-10-13  
[62] 2,159,914  
[30] US (08/042,829) 1993-04-05

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[21] **2,477,723**  
[13] A1

[51] Int.Cl. 7H01M 8/04 7H01M 8/06  
[25] EN  
[54] SYSTEM AND METHOD FOR  
CONTROLLING THE OPERATION OF  
A FUEL PROCESSING SYSTEM  
[54] SYSTEME ET PROCEDE  
PERMETTANT DE COMMANDER LE  
FONCTIONNEMENT D'UN SYSTEME  
DE TRAITEMENT DE COMBUSTIBLE  
[72] EDLUND, DAVID J., US  
[72] PLEDGER, WILLIAM A., US  
[72] HERRON, THOMAS G., US  
[71] IDATECH, LLC, US  
[22] 2000-09-21  
[41] 2001-04-12  
[62] 2,467,012  
[30] US (09/414,049) 1999-10-06

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[21] **2,477,857**  
[13] A1

[51] Int.Cl. 7A61K 38/20 7A61K 47/18  
[25] EN  
[54] STABILIZED LIQUID  
POLYPEPTIDE-CONTAINING  
PHARMACEUTICAL COMPOSITIONS  
[54] COMPOSITIONS  
PHARMACEUTIQUES LIQUIDES  
STABILISEES CONTENANT UN  
POLYPEPTIDE  
[72] CHEN, BAO-LU, US  
[72] HORA, MANINDER, US  
[71] CHIRON CORPORATION, US  
[22] 2000-10-03  
[41] 2001-04-12  
[62] 2,386,228  
[30] US (60/157,696) 1999-10-04

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[21] **2,478,619**  
[13] A1

[51] Int.Cl. 7A23G 3/30  
[25] EN  
[54] COATED CHEWING GUM  
COMPRISING AN ACTIVE  
SUBSTANCE HAVING SYSTEMIC  
ACTIVITY  
[54] CHEWING-GUM ENROBE  
CONTENANT UNE SUBSTANCE  
ACTIVE A ACTIVITE SYSTEMIQUE  
[72] STAHL, BRONISLAW-JAN, DK  
[71] DANDY A/S, DK  
[22] 1999-03-03  
[41] 1999-09-10  
[62] 2,322,875  
[30] DK (0296/98) 1998-03-04

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[21] **2,478,620**  
[13] A1

[51] Int.Cl. 7A23G 3/30  
[25] EN  
[54] COATED CHEWING GUM  
COMPRISING AN ACTIVE  
SUBSTANCE HAVING LOCAL  
ACTIVITY  
[54] CHEWING-GUM ENROBE  
CONTENANT UNE SUBSTANCE  
ACTIVE A ACTIVITE LOCALE  
[72] STAHL, BRONISLAW-JAN, DK  
[71] DANDY A/S, DK  
[22] 1999-03-03  
[41] 1999-09-10  
[62] 2,322,875  
[30] DK (0296/98) 1998-03-04

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[21] **2,478,971**  
[13] A1

[51] Int.Cl. 7C07J 41/00 7C07J 3/00  
7C07C 235/82  
[25] EN  
[54] ANDROSTENONES  
[54] ANDROSTENONES  
[72] FRYE, STEPHEN VERNON, US  
[72] BATCHELOR, KENNETH WILLIAM,  
US  
[71] GLAXO WELLCOME INC., US  
[22] 1994-09-16  
[41] 1995-03-23  
[62] 2,171,329  
[30] US (08/123,280) 1993-09-17  
[30] US (08/136,515) 1993-10-12

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

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[21] 2,479,392  
[13] A1

[51] Int.Cl. 7G07F 7/02  
[25] EN  
[54] CHANGE STATION FOR PROVIDING CURRENCY  
[54] STATION D'ENCAISSEMENT DE COUPON ET DISTRIBUTRICE DE MONNAIE  
[72] MAXEY, ROBERT R., US  
[72] BURNS, JAMES G., US  
[71] MGM GRAND, INC., US  
[22] 1994-01-21  
[41] 1994-08-04  
[62] 2,132,019  
[30] US (08/007,742) 1993-01-22

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[21] 2,479,395  
[13] A1

[51] Int.Cl. 6H04N 7/16 6H04N 7/03  
[25] EN  
[54] CONSUMER INTERFACE FOR A DIGITAL TELEVISION SYSTEM  
[54] INTERFACE USAGER POUR SYSTEME DE TELEVISION NUMERIQUE  
[72] BEYERS, BILLY WESLEY JR., US  
[72] JOHNSON, MICHAEL WAYNE, US  
[72] BRIDGEWATER, KEVIN ELLIOTT, US  
[72] DEISS, MICHAEL SCOTT, US  
[72] CHANEY, JOHN WILLIAM, US  
[72] HAILEY, JAMES EDWIN, US  
[72] HORTON, RAYMOND SCOTT, US  
[71] THOMSON CONSUMER ELECTRONICS, INC., US  
[22] 1995-01-04  
[41] 1995-07-13  
[62] 2,180,112  
[30] GB (9400101.3) 1994-01-05

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[21] 2,479,396  
[13] A1

[51] Int.Cl. 7H04N 7/16 7H04N 7/03  
[25] EN  
[54] CONSUMER INTERFACE FOR A DIGITAL TELEVISION SYSTEM  
[54] INTERFACE USAGER POUR SYSTEME DE TELEVISION NUMERIQUE  
[72] HAILEY, JAMES EDWIN, US  
[72] HORTON, RAYMOND SCOTT, US  
[72] BRIDGEWATER, KEVIN ELLIOTT, US  
[72] DEISS, MICHAEL SCOTT, US  
[72] BEYERS, BILLY WESLEY JR., US  
[72] CHANEY, JOHN WILLIAM, US  
[72] JOHNSON, MICHAEL WAYNE, US  
[71] THOMSON CONSUMER ELECTRONICS, INC., US  
[22] 1995-01-04  
[41] 1995-07-13  
[62] 2,180,112  
[30] GB (9400101.3) 1994-01-05

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[21] 2,479,398  
[13] A1

[51] Int.Cl. 7H04N 7/16 7H04N 7/03  
[25] EN  
[54] CONSUMER INTERFACE FOR A DIGITAL TELEVISION SYSTEM  
[54] INTERFACE USAGER POUR SYSTEME DE TELEVISION NUMERIQUE  
[72] BRIDGEWATER, KEVIN ELLIOTT, US  
[72] HORTON, RAYMOND SCOTT, US  
[72] JOHNSON, MICHAEL WAYNE, US  
[72] HAILEY, JAMES EDWIN, US  
[72] DEISS, MICHAEL SCOTT, US  
[72] CHANEY, JOHN WILLIAM, US  
[72] BEYERS, BILLY WESLEY JR., US  
[71] THOMSON CONSUMER ELECTRONICS, INC., US  
[22] 1995-01-04  
[41] 1995-07-13  
[62] 2,180,112  
[30] GB (9400101.3) 1994-01-05

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[21] 2,479,399  
[13] A1

[51] Int.Cl. 7G07F 19/00 7H04L 9/32  
7G06F 17/60  
[25] EN  
[54] AUTOMATED BANKING MACHINE AND SYSTEM  
[54] GUICHET BANCAIRES AUTOMATISES ET SYSTEME  
[72] CHURCH, JAMES, US  
[72] DRUMMOND, JAY PAUL, US  
[72] ESS, JOSEPH C., US  
[72] SMITH, MARK D., US  
[72] BLACKSON, DALE, US  
[72] WEIS, DAVID W., US  
[72] CICHON, BOB A., US  
[72] MOALES, MARK A., US  
[71] DIEBOLD, INCORPORATED, US  
[22] 1999-05-07  
[41] 1999-11-27  
[62] 2,435,204  
[30] US (09/077,337) 1998-05-27  
[30] US (60/091,887) 1998-07-07  
[30] US (60/095,626) 1998-08-07  
[30] US (60/098,907) 1998-09-02  
[30] US (09/196,535) 1998-11-17

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[21] 2,479,400  
[13] A1

[51] Int.Cl. 7B01J 19/00 7C01B 5/00  
7F22B 3/00 7H01L 21/316  
[25] EN  
[54] APPARATUS AND REACTOR FOR GENERATING AND FEEDING HIGH PURITY MOISTURE  
[54] DISPOSITIF ET REACTEUR POUR GENERER ET ALIMENTER EN HUMIDITE DE GRANDE PURETE  
[72] MORIMOTO, AKIHIRO, JP  
[72] IKEDA, NOBUKAZU, JP  
[72] OHMI, TADAHIRO, JP  
[72] NAKAMURA, OSAMU, JP  
[72] MINAMI, YUKIO, JP  
[72] HIRAI, TOURU, JP  
[72] KAWADA, KOUJI, JP  
[72] TAGUCHI, MASAHIRO, JP  
[72] HONIDEN, TERUO, JP  
[72] NARIAI, TOSHIROU, JP  
[72] KOMEHANA, KATUNORI, JP  
[72] HIRAO, KEIJI, JP  
[71] FUJIKIN INCORPORATED, JP  
[71] OHMI, TADAHIRO, JP  
[22] 2000-07-21  
[41] 2001-02-15  
[62] 2,343,278  
[30] JP (11-223548) 1999-08-06  
[30] JP (11-338882) 1999-11-30

**Demandes canadiennes apparentées par division et  
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[21] **2,479,408**

[13] A1

[51] Int.Cl. 7C10L 1/18 7C10L 1/02 7C10L 1/04  
 [25] EN  
 [54] SYNTHETIC JET FUEL AND PROCESS FOR ITS PRODUCTION  
 [54] CARBUREACTEUR DE SYNTHESE ET SON PROCEDE DE PRODUCTION  
 [72] COOK, BRUCE RANDALL, US  
 [72] WITTENBRINK, ROBERT JAY, US  
 [72] BERLOWITZ, PAUL JOSEPH, US  
 [71] EXXON RESEARCH AND ENGINEERING COMPANY, US  
 [22] 1998-01-27  
 [41] 1998-08-13  
 [62] 2,277,974  
 [30] US (08/798,378) 1997-02-07

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[21] **2,479,429**

[13] A1

[51] Int.Cl. 7A61B 17/04  
 [25] EN  
 [54] ENDOSCOPIE SUTURE SYSTEMS  
 [54] SYSTEMES DE SUTURE ENDOSCOPIQUES  
 [72] KORTENBACH, JUERGEN A., US  
 [72] SATER, GHALEB, US  
 [72] MCBRAYER, MICHAEL SEAN, US  
 [72] GELLMAN, BARRY N., US  
 [71] BOSTON SCIENTIFIC LIMITED, INC., BB  
 [22] 1999-03-19  
 [41] 1999-09-13  
 [62] 2,323,540  
 [30] US (60/078,916) 1998-03-20

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[21] **2,479,434**

[13] A1

[51] Int.Cl. 7H02B 13/00 7H02B 13/045  
 [25] EN  
 [54] SWITCHGEAR ASSEMBLY  
 [54] APPAREILLAGE DE CONNEXION  
 [72] FRENCH, THOMAS G., US  
 [72] MCGLONE, BUDDY B., US  
 [72] MEARS, GREGORY C., US  
 [72] GUIO, RAPHAEL H., US  
 [72] OPFER, JOHN C., US  
 [72] KOWALYSHEN, HENRY W., US  
 [71] S&C ELECTRIC COMPANY, US  
 [22] 1997-08-29  
 [41] 1998-02-28  
 [62] 2,214,286  
 [30] US (08/705,460) 1996-08-29

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[21] **2,479,535**

[13] A1

[51] Int.Cl. 7G10K 11/26 7G10K 11/34  
 [25] EN  
 [54] METHOD AND APPARATUS FOR BEAM STEERING AND BESSEL SHADING OF CONFORMAL ARRAY  
 [54] METHODE ET DISPOSITIF DE GUIDAGE DE FAISCEAU ET D'OMBREAGE BESSEL POUR UN RESEAU  
 [72] PRIEST, JOHN F., US  
 [72] SCHMIDT, MATHEW G., US  
 [72] JUNGHANS, PAUL G., US  
 [71] WESTERN ATLAS INTERNATIONAL, INC., US  
 [22] 1995-03-20  
 [41] 1995-09-23  
 [62] 2,145,006  
 [30] US (08/216,648) 1994-03-22

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[21] **2,479,537**

[13] A1

[51] Int.Cl. 7B41J 2/17 7B41J 27/00 7B41J 2/175  
 [25] EN  
 [54] INK CARTRIDGE AND PRINTER USING THE SAME  
 [54] CARTOUCHE D'ENCRE ET IMPRIMANTE UTILISANT CETTE CARTOUCHE  
 [72] SARUTA, TOSHIHISA, JP  
 [71] SEIKO EPSON CORPORATION, JP  
 [22] 1999-11-24  
 [41] 2000-05-26  
 [62] 2,290,296  
 [30] JP (10-336330) 1998-11-26  
 [30] JP (10-336331) 1998-11-26  
 [30] JP (11-296015) 1999-10-18

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[21] **2,479,538**

[13] A1

[51] Int.Cl. 7H05B 33/00 7H01L 33/00  
 [25] EN  
 [54] LIGHT EMITTING DEVICE AND DISPLAY  
 [54] DISPOSITIF ELECTROLUMINESCENT ET DISPOSITIF D'AFFICHAGE  
 [72] SHIMIZU, YOSHINORI, JP  
 [72] SAKANO, KENSHO, JP  
 [72] NOGUCHI, YASUNOBU, JP  
 [72] MORIGUCHI, TOSHIO, JP  
 [71] NICHIA CHEMICAL INDUSTRIES, LTD., JP  
 [22] 1997-07-29  
 [41] 1998-02-05  
 [62] 2,262,136  
 [30] JP (8/198585) 1996-07-29  
 [30] JP (8/244339) 1996-09-17  
 [30] JP (8/245381) 1996-09-18  
 [30] JP (8/359004) 1996-12-27  
 [30] JP (9/81010) 1997-03-31

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[21] **2,479,540**

[13] A1

[51] Int.Cl. 7B23F 5/00  
 [25] EN  
 [54] APPARATUS AND METHOD FOR PRECISION GEAR FINISHING BY CONTROLLED DEFORMATION  
 [54] METHODE ET DISPOSITIF HAUTE PRECISION POUR L'OBTENTION D'ENGRENAGES A HAUTE QUALITE DE FINITION PAR DEFORMATION CONTROLEE  
 [72] AMATEAU, MAURICE F., US  
 [72] SONTI, NAGESH, US  
 [71] THE PENN STATE RESEARCH FOUNDATION, US  
 [22] 1993-08-19  
 [41] 1994-03-03  
 [62] 2,142,825  
 [30] US (07/932,206) 1992-08-19

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

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[21] 2,479,558  
[13] A1

[51] Int.Cl. 7B22D 35/04 7B22D 21/04  
7B22D 35/06  
[25] EN  
[54] DISTRIBUTOR DEVICE FOR USE IN ALUMINIUM METAL CASTING  
[54] DISPOSITIF DE DISTRIBUTION UTILISE DANS LA FONTE DE METAL  
[72] TREMBLAY, SYLVAIN P., CA  
[72] VINCENT, MARK, GB  
[71] PYROTEK ENGINEERING MATERIALS LTD., GB  
[22] 2000-08-04  
[41] 2001-02-15  
[62] 2,378,352  
[30] GB (9918350.1) 1999-08-05

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[21] 2,479,561  
[13] A1

[51] Int.Cl. 7B22D 35/04 7B22D 21/04  
7B22D 35/06  
[25] EN  
[54] DISTRIBUTOR DEVICE FOR USE IN ALUMINIUM METAL CASTING  
[54] DISPOSITIF DE DISTRIBUTION UTILISE DANS LA FONTE DE METAL  
[72] TREMBLAY, SYLVAIN P., CA  
[72] VINCENT, MARK, GB  
[71] PYROTEK ENGINEERING MATERIALS LTD., GB  
[22] 2000-08-04  
[41] 2001-02-15  
[62] 2,378,352  
[30] GB (9918350.1) 1999-08-05

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[21] 2,479,565  
[13] A1

[51] Int.Cl. 7B22D 35/04 7B22D 21/04  
7B22D 35/06  
[25] EN  
[54] DISTRIBUTOR DEVICE FOR USE IN ALUMINIUM METAL CASTING  
[54] DISPOSITIF DE DISTRIBUTION UTILISE DANS LA FONTE DE METAL  
[72] TREMBLAY, SYLVAIN P., CA  
[72] VINCENT, MARK, GB  
[71] PYROTEK ENGINEERING MATERIALS LTD., GB  
[22] 2000-08-04  
[41] 2001-02-15  
[62] 2,378,352  
[30] GB (9918350.1) 1999-08-05

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[21] 2,479,571  
[13] A1

[51] Int.Cl. 7A62D 3/00 7B01J 19/08  
[25] EN  
[54] PHOTODEGRADATION OF TOXIC ORGANIC CONTAMINANTS  
[54] EXTRACTION DE CONTAMINANTS ORGANIQUES TOXIQUES  
[72] RUDDICK, JOHN N.R., CA  
[72] CUI, FUTONG, US  
[71] BELL CANADA, CA  
[22] 1994-06-30  
[41] 1995-12-31  
[62] 2,127,242

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[21] 2,479,629  
[13] A1

[51] Int.Cl. 7G06F 17/30 7H04L 12/16  
[25] EN  
[54] SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR ASSIGNING, GENERATING AND DELIVERING CONTENT TO INTRANET USERS  
[54] SYSTEMES, PROCEDES ET PRODUITS DE PROGRAMMES INFORMATIQUES POUR AFFECTER, PRODUIRE ET ACHEMINER UN CONTENU AUX UTILISATEURS D'UN RESEAU INTRANET  
[72] KAMINSKY, DAVID LOUIS, US  
[72] O'MEARA, ANN MARIE, US  
[72] BABER, STEPHEN C., US  
[72] BLOUNT, BRIAN, US  
[72] BRITTON, KATHRYN HENINGER, US  
[22] 1999-03-12  
[41] 2000-04-13  
[62] 2,342,358  
[30] US (09/164,697) 1998-10-01

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[21] 2,479,630  
[13] A1

[51] Int.Cl. 7G06F 17/30 7H04L 12/16  
[25] EN  
[54] SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR ASSIGNING, GENERATING AND DELIVERING CONTENT TO INTRANET USERS  
[54] SYSTEMES, PROCEDES ET PRODUITS DE PROGRAMMES INFORMATIQUES POUR AFFECTER, PRODUIRE ET ACHEMINER UN CONTENU AUX UTILISATEURS D'UN RESEAU INTRANET  
[72] KAMINSKY, DAVID LOUIS, US  
[72] O'MEARA, ANN MARIE, US  
[72] BABER, STEPHEN C., US  
[72] BLOUNT, BRIAN, US  
[72] BRITTON, KATHRYN HENINGER, US  
[22] 1999-03-12  
[41] 2000-04-13  
[62] 2,342,358  
[30] US (09/164,697) 1998-10-01

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[21] 2,479,654  
[13] A1

[51] Int.Cl. 7A01B 35/10  
[25] EN  
[54] RAKE ATTACHMENT FOR A SKID STEER  
[54] ACCESOIRE DE HERSAge POUR CHARGEUR A DIRECTION  
[72] KEIGLEY, KEVIN V., US  
[71] LOEGERING MFG. INC., US  
[22] 1994-08-04  
[41] 1995-02-06  
[62] 2,129,494  
[30] US (102,207) 1993-08-05  
[30] US (275,108) 1994-07-14

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

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[21] **2,479,663**  
[13] A1

[51] Int.Cl. 7C23C 14/54 7C23C 14/00  
[25] EN  
[54] METHOD OF AN APPARATUS FOR SPUTTERING  
[54] PROCEDE ET DISPOSITIF DE PULVERISATION CATHODIQUE  
[72] WATANABE, SHUJIRO, JP  
[72] SHIMIZU, JUNICHI, JP  
[72] ANDO, EIICHI, JP  
[72] TAKAKI, SATORU, JP  
[72] OYAMA, TAKUJI, JP  
[72] OSAKI, HISASHI, JP  
[71] ASAHI GLASS COMPANY LTD., JP  
[22] 1994-07-27  
[41] 1995-01-29  
[62] 2,128,981  
[30] JP (205704/1993) 1993-07-28

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[21] **2,479,675**  
[13] A1

[51] Int.Cl. 7H04R 25/00 7H04R 1/32  
[25] EN  
[54] DIRECTIONAL CONTROLLER FOR A HEARING AID  
[54] COMMANDE DIRECTIONNEL POUR APPAREIL ACOUSTIQUE  
[72] JENSEN, LARS BAEKGAARD, DK  
[71] WIDEX A/S, DK  
[22] 2000-06-23  
[41] 2001-01-04  
[62] 2,385,812  
[30] EP (PCT/EP99/04375) 1999-06-24

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[21] **2,479,822**  
[13] A1

[51] Int.Cl. 6H04R 25/00 6H04R 25/02  
[25] EN  
[54] IMPROVED MICROPHONES FOR AN IMPLANTABLE HEARING AID  
[54] MICROPHONES AMELIORES POUR APPAREIL DE CORRECTION AUDITIVE IMPLANTABLE  
[72] NEUKERMANS, ARMAND P., US  
[72] LESINSKI, S. GEORGE, US  
[71] NEUKERMANS, ARMAND P., US  
[71] LESINSKI, S. GEORGE, US  
[22] 1997-05-23  
[41] 1997-11-27  
[62] 2,256,389  
[30] US (60/018,299) 1996-05-24

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[21] **2,479,825**  
[13] A1

[51] Int.Cl. 7B65D 41/12  
[25] EN  
[54] CRIMP TOP SEAL FOR VIALS  
[54] OBTURATEUR ETANCHE A SERTIR, POUR FIOLE  
[72] FINNERAN, JAMES G., US  
[71] J. G. FINNERAN ASSOCIATES, US  
[22] 1996-06-06  
[41] 1996-12-08  
[62] 2,178,431  
[30] US (08/477,079) 1995-06-07

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[21] **2,479,827**  
[13] A1

[51] Int.Cl. 7C01B 3/34  
[25] EN  
[54] REFORMING APPARATUS  
[54] APPAREIL DE REFORMAGE  
[72] RIZZI, ENRICO, IT  
[72] FILIPPI, ERMANNO, CH  
[71] AMMONIA CASALE S.A., CH  
[22] 1997-11-03  
[41] 1998-05-12  
[62] 2,219,970  
[30] EP (96118105.4) 1996-11-12

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[21] **2,479,828**  
[13] A1

[51] Int.Cl. 7C07D 305/14  
[25] EN  
[54] INTERMEDIATES AND METHODS USEFUL IN THE SEMISYNTHESIS OF PACLITAXEL AND ANALOGS  
[54] INTERMEDIAIRES ET PROCEDES UTILES DANS LA SEMISYNTHÈSE DE PACLITAXEL ET DE SES ANALOGUES  
[72] BOMBARDELLI, EZIO, IT  
[71] INDENA S.P.A., IT  
[22] 1998-11-19  
[41] 1999-06-03  
[62] 2,310,778  
[30] US (08/975,804) 1997-11-21

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ALETHEON		BAILEY, RALPH T.	2,302,655	BETTLE, GRISCOM III	2,107,072
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ALISTAGEN CORPORATION	2,269,880	BAKER HUGHES		BICHON, MATTIEU	2,157,643
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BELLUZ, VITTORIO	2,477,114	BOOJAMRA, CONSTANTINE G.	2,478,048	CALUNDANN, GORDON	2,478,530
BENHAMOU, FRANCIS	2,477,665	BORCHARDT, THOMAS R.	2,478,500	CAMBRIDGE UNIVERSITY	
BENINCORI, TIZIANA	2,478,482	BORDEN CHEMICAL, INC.	2,478,328	TECHNICAL SERVICES	
BENITA, SIMON	2,477,109	BORDUNOV, ANDREI V.	2,477,782	LIMITED	2,478,645
BENITA, SIMON	2,478,424	BOSMAN, JORIS KAREL PETER	2,478,501	CAMERON, DAVID P.	2,477,918
BENNETT, FRANK C.	2,477,281	BOSWORTH, JOHN O., JR.	2,478,292	CAMERON, KIMBERLY	
BENNETT, STUART NORMAN		BOSWORTH, JOHN O., SR.	2,478,292	O'KEEFE	2,478,653
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BIERINGER, HERMANN	2,478,518	BRAMBILLA, GAETANO	2,477,879	UNIVERSITY	2,478,120
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EHRENFREUND, JOSEF	2,477,931	EXXONMOBIL OIL		GABRIELLE	2,478,092
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REGENTS OF THE UNIVERSITY OF MICHIGAN	2,477,923	SALIGA, STEPHEN	2,478,628	SHEIKH, AHMAD Y.	2,478,149
REGENTS OF THE UNIVERSITY OF MINNESOTA	2,477,833	SALOMON, YAIR	2,478,419	SHEIKH, AHMAD Y.	2,478,500
REICHARD, GREGORY A.	2,478,211	SALVONA, L.L.C.	2,477,329	SHELAST, CURTIS MICHAEL	2,478,328
REKUC, RICHARD J.	2,478,434	SAMUELS, SAM L.	2,477,873	SHELL CANADA LIMITED	2,478,442
REKUC, STEVEN J.	2,478,434	SANDERS, KERRY T.	2,477,850	SHEN, YONG-CHUN	2,478,065
REMON, JEAN-PAUL	2,477,890	SANDHU, HARPAL S.	2,478,021	SHIELDS, CHARLES MARTIN	2,477,711
RENN, CURTISS	2,477,077	SANDMANN, RAINER	2,477,381	SHIGEMATSU, TOSHIO	2,478,575
RESEARCH DEVELOPMENT FOUNDATION	2,475,928	SANDOR, GEORGE K.B.	2,478,477	SHIH, NENG-YANG	2,478,211
REVELATIONS IN DESIGN, LP	2,478,421	SANDOR, GEORGE K.B.	2,478,497	SHIM, SANG-HEA	2,478,476
REYES, SEBASTIAN C.	2,478,067	SANFORD L.P.	2,478,627	SHIONOGI & CO., LTD.	2,478,283
REZAIIIFAR, RAMIN	2,477,809	SANKYO COMPANY, LIMITED	2,478,685	SHIOTA, KATSUHIRO	2,477,855
RHOADES, DEAN	2,477,252	SANNICOLO, FRANCESCO	2,478,482	SHIROTA, HIROSHI	2,478,065
RICHARDS-KORTUM, REBECCA	2,478,083	SANTIESTEBAÑ, JOSE G.	2,478,067	SHIROYA, TSUTOMU	2,477,715
RIEDER, ALFRED	2,477,799	SAP AKTIENGESELLSCHAFT	2,477,661	SHIVER, JOHN W.	2,478,631
RIENZO, PAUL EUGENE	2,478,756	SAP AKTIENGESELLSCHAFT	2,478,555	SHIVER, JOHN W.	2,478,651
RITCHIE, JACK	2,477,699	SARDELLI, FRANCESCA	2,478,674	SHIVERSKI, STEVE	2,477,958
RITLAND, STEPHEN	2,475,200	SARKO, CHRISTOPHER RONALD	2,478,232	SHORTT, BARRY J.	2,478,589
RIVARD, MICHELE	2,475,298	SASAKI, PAUL T.	2,478,023	SHOWA DENKO K.K.	2,478,103
RIVEREAU, ALAIN	2,478,077	SASAKI, SHIZUO	2,478,119	SHRINERS HOSPITALS FOR CHILDREN	2,478,100
RIZZO, SIMONA	2,478,482	SASAKI, TAKASHI	2,478,521	SHRINERS HOSPITALS FOR CHILDREN	2,478,107
ROBB, JAMIE	2,477,654	SATO, AARON	2,477,935	SHRIVASTAVA, AJAY	2,477,935
ROBBINS, AVI M.	2,477,089	SATO, HIROYUKI	2,477,855	SHUFELDT, STEPHEN	2,478,366
ROBBINS, AVI MELECH	2,477,104	SAWADA, KOHEI	2,477,839	SHUSTER, DALE E.	2,478,048
ROBERTS, GAIL	2,473,807	SCANVAEGT INTERNATIONAL A/S	2,478,030	SIEMENS AKTIENGESELLSCHAFT	2,478,630
RODRIGUEZ-HORNEDO, NAIR	2,477,923	SCHAER-ZAMMARETTI, PRISCA	2,478,553	SIEMENS MEDICAL SOLUTIONS HEALTH SERVICES CORPORATION	2,477,689
ROESE, JOHN J.	2,477,962	SCHALLNER, OTTO	2,478,526	SIEMENS MEDICAL SOLUTIONS HEALTH SERVICES CORPORATION	2,477,690
ROGERS, FRED	2,477,325	SCHAUB, CORNEL	2,478,569	SIEMENS PLC	2,477,247
ROHDE, JEFFREY	2,478,028	SCHELBERGER, KLAUS	2,478,090	SIEMIONKO, ROGER K.	2,477,873
ROLLER, PHILIP C.	2,477,643	SCHELBERGER, KLAUS	2,478,098	SIERACKI, DAVID L.	2,478,504
ROMINES, WILLIAM HENRY III	2,478,050	SCHEMPF, HAGEN	2,478,587	SIG COMBIBLOC SYSTEMS GMBH	2,478,038
ROONEY, THOMAS	2,478,542	SCHENKEL, DAVID	2,478,644	SIGMA-TAU INDUSTRIE FARMACEUTICHE RIUNITE, S.P.A.	2,478,674
ROSANDER, PAER	2,477,696	SCHERING	2,478,128		
ROSEN, ERIC C.	2,475,730	AKTIENGESELLSCHAFT	2,478,272		
ROSENBERGER, VERED	2,477,701	SCHERING CORPORATION	2,478,211		
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		SCHILMOELLER, LANCE BERNARD	2,478,246		

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SIMON, ADAM	2,477,872	STERN, THEODOR	2,477,109	TANI, KOUSUKE	2,477,715
SIMON, JAY S.	2,478,027	STERNBERG, SHMUEL	2,477,946	TANKERSLEY, JAMES I.	2,477,992
SIMON, JAY S.	2,478,056	STEWART, ANDREW	2,478,570	TANSKANEN, JUHA	2,477,848
SIMON, PHILIP LEONARD	2,477,347	STEWART, ANDREW O.	2,478,028	TARR, BARBIE	2,478,221
SIMONE, ALEXANDER J.	2,478,588	STEWART, MALCOLM	2,478,571	TARSUS PARTICIPATIE MAATSCHAPPIJ	2,477,106
SIMPSON, IAIN	2,477,717	STEWART, MALCOLM	2,478,573	TATSUMI, TAKASHI	2,478,103
SINFELT, JOHN H.	2,478,067	STEWART-COX, ADRIAN ROY	2,478,325	TAYA, NAOHIRO	2,478,485
SIX, DAVID A.	2,477,949	STIERL, REINHARD	2,478,090	TAYAMA, KENJI	2,477,900
SKINNER, ANDREW F.	2,477,724	STIERL, REINHARD	2,478,098	TAYLOR, LANCE G.	2,478,255
SKLAR, ERIC	2,477,939	STIERL, REINHARD	2,478,587	TAYLOR, STEPHEN	2,478,219
SKOLD, THOMAS	2,476,859	STOCKER, ANDREW	2,477,667	TCHILINGUIRIAN, JOHN	2,477,928
SLAVITCH, MICHAEL	2,478,128	STOEHR, HERBERT	2,477,104	TEARLE, ALAN DOUGLAS	2,478,325
SMILEY, RANDOLPH J.	2,477,605	STOHR, HERBERT	2,477,089	TEBBE, MARK JOSEPH	2,477,984
SMITH & NEPHEW, INC.	2,478,079	STOLPMANN, JAMES R.	2,477,724	TECHAVIPOO, UDOMCHAI	2,478,025
SMITH, LINDA EVERIS	2,478,499	STRADER, WALTER H.	2,478,231	TECHNIQUE D'USINAGE SINLAB INC.	2,477,951
SOANE, DAVID S.	2,478,257	STRATHMANN, SIEGFRIED	2,478,090	TEGROTHENHUIS, WARD E.	2,478,333
SOCIETE DES PRODUITS NESTLE S.A.	2,477,826	STRATHMANN, SIEGFRIED	2,478,098	TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)	2,478,031
SOCIETE DES PRODUITS NESTLE S.A.	2,478,503	STRAUMANN HOLDING AG	2,478,253	TEMBEC USA LLC	2,477,711
SOCIETE DES PRODUITS NESTLE S.A.	2,478,553	STREEKS, MICHAEL SEAN	2,477,731	TEMPLES, LEWIS BENTON	2,477,853
SOKOLOV, KONSTANTIN	2,478,083	STROHMAIER, KARL G.	2,478,067	TERRIER, CORINNE	2,478,540
SOLARONICS TECHNOLOGIES	2,477,665	STRYKER INSTRUMENTS	2,478,656	TESSLER, LIMOR	2,475,864
SOLIS, MITCHELL	2,477,089	STRZODA, RAINER	2,477,247	TEVA PHARMACEUTICAL INDUSTRIES LTD.	2,475,864
SOLIS, MITCHELL	2,477,104	STUDEBAKER, R. TODD	2,477,077	TEVA PHARMACEUTICAL INDUSTRIES LTD.	2,477,701
SOLVENT INNOVATION GMBH	2,477,719	STUMPF, DIRK	2,477,661	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS	2,478,087
SOMERSET PHARMACEUTICALS, INC.	2,478,026	SUFFA, UDO	2,478,226	THE KANSAI ELETRIC POWER CO., INC.	2,478,575
SOMMERS, MARK O.	2,478,221	SUGAWARA, NORIO	2,477,840	THE LUBRIZOL CORPORATION	2,478,603
SONG, BO	2,477,935	SUGIMURA, MARIKO	2,478,112	THE LUBRIZOL CORPORATION	2,478,639
SONNENSCHEIN, MARK F.	2,478,084	SUGIURA, JUN	2,477,175	THE MOLLENNIUM LABORATORIES	2,476,188
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SONY CORPORATION	2,478,287	SUMAKERIS, JOSEPH JOHN	2,478,624	THE PROCTER & GAMBLE COMPANY	2,478,561
SOPLAR S.A.	2,477,658	SUMITOMO ELECTRIC INDUSTRIES, INC.	2,478,575	THE PROCTER & GAMBLE COMPANY	2,478,586
SOYKA, RAINER	2,477,714	SUN, XIAOMING	2,477,668	THE PROCTER & GAMBLE COMPANY	2,478,756
SPADAFORA, V. JAMES	2,478,090	SUNDYNE CORPORATION	2,473,807	THE QUEEN'S UNIVERSITY OF BELFAST	2,478,091
SPADAFORA, V. JAMES	2,478,098	SUNG, JEAN C.	2,478,629	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,475,924
SPADAFORA, V. JAMES	2,478,587	SUTTON, PAUL ALLEN	2,478,599	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,477,949
SPAGNUOLO, STEVEN P.	2,478,583	SUTTON, STEPHEN	2,477,247	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,478,466
SPAID, MICHAEL	2,477,702	SUZUKI, HIROYUKI	2,477,839	THE SIDEREUS GROUP	2,478,259
SPELTEN, FRANZ-WILLI	2,478,038	SUZUKI, SHOJI	2,478,051	THERIEN, MICHEL	2,477,657
SPERO, DENICE M.	2,477,692	SVENSSON, CAMILLA	2,477,949	THERMAL DYNAMICS CORPORATION	2,477,325
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SPID 2002 CORP.	2,477,961	SWINAMER, ALAN DAVID	2,478,232	THOMAS, TOBY R.	2,477,918
SPISSELL, RICHARD T.	2,477,331	SWOYER, JEFFREY L.	2,478,507	THOMSON, DAVID	2,477,764
SPYVEE, MARK	2,478,065	SYNCHRO ARTS LIMITED	2,477,697	THORMANN, MICHAEL	2,478,556
SQUIER, JOANN H.	2,477,983	SYNGENTA PARTICIPATIONS AG	2,477,931	THUMSHIRN, GEORGETTE	2,478,618
SRIKHANTA, PRASANNA	2,477,733	SYNTHES (U.S.A.)	2,478,581	TIBOTEC PHARMACEUTICALS LTD.	2,477,851
SRIVASTAVA, BRIJESH KUMAR	2,478,502	SYVERSON, CHARLES D.	2,478,295	TILTON, JEFFREY A.	2,478,568
STAAR SURGICAL COMPANY	2,477,957	TABANI, YACOOB	2,478,060		
STAFFLER, MICHAEL	2,477,693	TACHDJIAN, CATHERINE	2,478,342		
STAHL, CHRISTOPH MARTIN	2,477,721	TAGGE, CHRISTOPHER D.	2,478,257		
STANAT, JON EDMOND RANDOLPH	2,477,331	MATTHEW	2,478,656		
STANDEN, JOHN PAUL	2,477,913	TAHRI, ABDELLAH	2,477,851		
STATOIL ASA	2,478,269	TAKAHASHI, HIDENORI	2,477,764		
STEFFEN, ROBERTSON & KIRSTEN (SOUTH AFRICA) (PTY) LTD	2,477,346	TAKAHASHI, KUNIO	2,477,952		
STEIN, BERND M.	2,478,338	TAKEDA CHEMICAL INDUSTRIES, LTD.	2,477,903		
STEIN, ROBERT C.	2,478,290	TAKINO, SHUNSUKE	2,478,485		
STEINHAUSER, LOUIS P.	2,478,076	TALBOT, HENRY W.	2,478,550		
STELLJES, MICHAEL GOMER JR.	2,478,499	TAMADA, KAZUYUKI	2,475,926		
STENTIFORD, FREDERICK WARWICK MICHAEL	2,478,243	TAMMER, MARINUS	2,478,532		
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TO, BAN CHIN	2,474,336	UNIVERSITY OF ROCHESTER	2,475,768	WANIOR, MARIOLA	2,478,251
TOBLER, HANS	2,477,931	UNIVERSITY OF SOUTH FLORIDA	2,477,923	WARD, LOREN S.	2,477,854
TOKUDA, NOBUYUKI	2,478,575	UNIVERSITY OF SOUTH FLORIDA	2,478,614	WARNER-LAMBERT COMPANY	2,478,520
TOKYO GAS CO. LTD.	2,478,207	UNIVERSITY OF UTAH	2,475,768	WARNER-LAMBERT COMPANY	2,478,706
TOLAN, JEFFREY S.	2,477,847	UNIVERSITY OF VIRGINIA PATENT FOUNDATION	2,478,085	WARNER-LAMBERT COMPANY LLC	2,477,393
TOLAT, VIRAL V.	2,478,021	UOP LLC	2,477,482	WASSERMAN, THIERRY	2,478,419
TOLLIS, SIMONA	2,478,482	URSIN, VIRGINIA M.	2,478,245	WASSERSCHEID, PETER	2,477,719
TOMASI, ATTILIO	2,477,926	USKALI, ROBERT G.	2,477,708	WASSINK, SANDRA E.	2,478,121
TOMOTHERAPY INCORPORATED	2,478,296	VACHER, BERNARD	2,475,880	WATANABE, KATSUYA	2,477,959
TONAR, WILLIAM L.	2,478,626	VADI, VASISHT M.	2,477,963	WATANABE, TOSHIHIRO	2,477,732
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TOUSSANT, JOHN WILLIAM	2,478,499	VALENCE TECHNOLOGY, INC.	2,478,507	WATKINS, STEVEN M.	2,477,909
TOUVELLE, MICHELE S.	2,477,605	VALLEJOS, TONY	2,477,972	WATLING, MICHAEL JOHN	2,477,966
TOYA, TAKASHI	2,477,732	VAN CAUWENBERGH, LUC		WATLOW ELECTRIC MANUFACTURING COMPANY	2,478,076
TOYOIZUMI, SAYAKA	2,478,017	ANA PHILOMENA	2,477,804	WATSON, ALAN R.	2,478,626
TOYOTA JIDOSHA KABUSHIKI KAISHA	2,477,855	VAN DE RIET, HENDRIK	2,477,694	WATSON, NORMAN	
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TREZZA, JOHN	2,478,238	VARGHESE, TOMY	2,478,025	WEBB, STEVEN P.	2,478,084
TRIVEDI, BHARAT KALIDAS	2,478,520	VASA, BEN R.	2,478,375	WEBER MASCHINENBAU GMBH & CO. KG	2,480,506
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TRUCK-LITE CO., INC.	2,477,643	VEIT, FRANK W.	2,478,630	WEBER, LUTZ	2,478,556
TRUONG, VOUY-LINH	2,477,657	VELVE, PER	2,478,647	WEGENG, ROBERT S.	2,478,333
TSAKLAKIDIS, CHRISTOS	2,478,528	VERMA, HARE K.	2,477,963	WEI, VITUS TUAN	2,478,632
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TSUKAMOTO, YOSHINORI	2,477,900	VETTER, RICHARD	2,478,304	WELBERGEN BEHEER B.V.	2,478,638
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TURBOCOR INC.	2,477,382	VICTOR, FRANTZ	2,478,229	WELDON LIMITED	2,478,291
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WU, FANGJUN	2,477,979	ZACHERL, DEANNA PIATT	2,478,229
WU, FANGJUN	2,477,982	ZAFFIRO, PAUL ANTHONY	2,478,499
WU, JAMES TZONG-CHAUR	2,478,632	ZAGZEBSKI, JAMES A.	2,478,025
WU, MARGARET MAY-SOM	2,477,331	ZALAR, FRANK V.	2,478,639
WU, PENG	2,478,103	ZAMPARO, ENRICO	2,478,253
WURSTER, PETER	2,478,569	ZAMPIERI, MASSIMO	2,477,926
WYETH	2,477,906	ZAPF, JAMES W.	2,478,342
WYETH COMPANY	2,477,886	ZAWOROTKO, MICHAEL J.	2,477,923
WYETH, A CORPORATION OF THE STATE OF DALAWARE	2,477,892	ZEGAR, PETER	2,478,556
WYMAN, THEODORE TED J.	2,478,244	ZELDIS, JOSEPH	2,477,886
XANOPTIX, INC.	2,477,801	ZELDIS, JOSEPH	2,477,892
XANOPTIX, INC.	2,478,238	ZELDIS, JOSEPH	2,477,906
XANOPTIX, INC.	2,478,244	ZELECHOSKI, PETER M.	2,478,505
XIA, ZONGQIN	2,477,787	ZELICKSON, BRIAN	2,478,567
XIAO, DONG	2,478,211	ZENIYA ALUMINUM	
XIE, DONG	2,477,851	ENGINEERING, LIMITED	2,478,051
XILINX, INC.	2,477,963	ZENKE, GERHARD	2,477,774
XILINX, INC.	2,478,023	ZHANG, DEYI	2,478,229
XIONG, ZHAOMING	2,478,232	ZHANG, HUA	2,478,503
XU, YAO-CHANG	2,478,229	ZHOU, FEI	2,477,344
YAKSH, TONY	2,477,949	ZHOU, FEI	2,477,379
YAMAGUCHI, ATSUKO	2,478,051	ZHOU, RU	2,478,050
YAMAMOTO, SATOSHI	2,478,065	ZHU, BIZHONG	2,477,945
YAMANAKA, HIROAKI	2,477,840	ZHU, BIZHONG	2,477,948
YAMANO, TORU	2,478,485	ZHU, GUOXIN	2,477,984
YAMANOUCHI PHARMACEUTICAL CO. LTD.		ZHU, YONG HONG	2,475,768
YAMASAKI, KEIKO	2,477,732	ZHU, ZHENPING	2,478,169
YAMAZAKI, HIROHISA	2,477,964	ZIMMER, MARKUS	2,474,145
YANAGITANI, JUNKO	2,478,199	ZIMMERLING, MARTIN	2,478,324
YANG, SHICHENG	2,478,112	ZIMMERMAN, DEAN ARTHUR	2,478,499
YATES, KENNETH M.	2,478,424	ZINDELL, RENEE	2,477,764
YAWORSKI, HARRY GEORGE	2,477,684	ZONDAG, LOUIS JOHN	2,477,106
YEN, SHAU-FONG	2,477,703		
YING, BAI-PING	2,477,769		
YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM	2,478,229		
YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM	2,477,109		
YMEN, BO INGVAR	2,478,424		
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AMMONIA CASALE S.A.	2,479,827	HAILEY, JAMES EDWIN	2,479,395	MATERIALS LTD.	2,479,558
ANDO, EIICHI	2,479,663	HAILEY, JAMES EDWIN	2,479,396	PYROTEK ENGINEERING	
ASAHI GLASS COMPANY LTD.	2,479,663	HAILEY, JAMES EDWIN	2,479,398	MATERIALS LTD.	2,479,561
BABER, STEPHEN C.	2,479,629	HERRON, THOMAS G.	2,477,723	PYROTEK ENGINEERING	
BABER, STEPHEN C.	2,479,630	HIRAI, TOURU	2,479,400	MATERIALS LTD.	2,479,565
BATCHELOR, KENNETH WILLIAM	2,478,971	HIRAO, KEIJI	2,479,400	RIZZI, ENRICO	2,479,827
BELL CANADA	2,479,571	HONIDEN, TERUO	2,479,400	RUDDICK, JOHN N.R.	2,479,571
BERLOWITZ, PAUL JOSEPH	2,479,408	HORA, MANINDER	2,477,857	S&C ELECTRIC COMPANY	2,479,434
BEYERS, BILLY WESLEY JR.	2,479,395	HORTON, RAYMOND SCOTT	2,479,395	SAKANO, KENSHO	2,479,538
BEYERS, BILLY WESLEY JR.	2,479,396	HORTON, RAYMOND SCOTT	2,479,396	SARUTA, TOSHIHISA	2,479,537
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BIOVERIS CORPORATION	2,477,489	IKEDA, NOBUKAZU	2,479,400	SCHMIDT, MATHEW G.	2,479,535
BLACKSON, DALE	2,479,399	INDENA S.P.A.	2,479,828	SEIKO EPSON CORPORATION	2,479,537
BLOUNT, BRIAN	2,479,629	INTERNATIONAL BUSINESS		SHIMIZU, JUNICHI	2,479,663
BLOUNT, BRIAN	2,479,630	MACHINES CORPORATION	2,479,629	SHIMIZU, YOSHINORI	2,479,538
BOMBARDELLI, EZIO	2,479,828	INTERNATIONAL BUSINESS		SMITH, MARK D.	2,479,399
BOSTON SCIENTIFIC LIMITED, INC.	2,479,429	MACHINES CORPORATION	2,479,630	SONTI, NAGESH	2,479,540
BRIDGEWATER, KEVIN ELLIOTT	2,479,395	J. G. FINNERAN ASSOCIATES	2,479,825	STAHL, BRONISLAW-JAN	2,478,619
BRIDGEWATER, KEVIN ELLIOTT	2,479,396	JENSEN, LARS BAEKGARD	2,479,675	STAHL, BRONISLAW-JAN	2,478,620
BRIDGEWATER, KEVIN ELLIOTT	2,479,398	JOHNSON, MICHAEL WAYNE	2,479,395	TAGUCHI, MASAHIRO	2,479,400
BRITTON, KATHRYN HENINGER	2,479,629	JOHNSON, MICHAEL WAYNE	2,479,396	TAKAKI, SATORU	2,479,663
BRITTON, KATHRYN HENINGER	2,479,630	JUNGHANS, PAUL G.	2,479,398	THE PENN STATE RESEARCH FOUNDATION	2,479,540
BURNS, JAMES G.	2,479,392	KAMINSKY, DAVID LOUIS	2,479,629	THOMSON CONSUMER ELECTRONICS, INC.	2,479,395
CHANAY, JOHN WILLIAM	2,479,395	KAMINSKY, DAVID LOUIS	2,479,630	THOMSON CONSUMER ELECTRONICS, INC.	2,479,396
CHANAY, JOHN WILLIAM	2,479,396	KAWADA, KOJII	2,479,400	THOMSON CONSUMER ELECTRONICS, INC.	2,479,398
CHANAY, JOHN WILLIAM	2,479,398	KEIGLEY, KEVIN V.	2,479,654	TREMBLAY, SYLVAIN P.	2,479,558
CHEN, BAO-LU	2,477,857	KOMEHANA, KATUNORI	2,479,400	TREMBLAY, SYLVAIN P.	2,479,561
CHIRON CORPORATION	2,477,857	KORTENBACH, JUERGEN A.	2,479,429	TREMBLAY, SYLVAIN P.	2,479,565
CHUNG, YOUNG C.	2,477,489	KOWALYSHEN, HENRY W.	2,479,434	VINCENT, MARK	2,479,558
CHURCH, JAMES	2,479,399	LESINSKI, S. GEORGE	2,479,822	VINCENT, MARK	2,479,561
CICHON, BOB A.	2,479,399	LEVENTIS, NICHOLAS	2,477,489	WATANABE, SHUJIRO	2,479,663
COOK, BRUCE RANDALL	2,479,408	LOEGERING MFG. INC.	2,479,654	WEIS, DAVID W.	2,479,399
CUI, FUTONG	2,479,571	MAXEY, ROBERT R.	2,479,392	WESTERN ATLAS INTERNATIONAL, INC.	2,479,535
DANDY A/S	2,478,619	MCBRAYER, MICHAEL SEAN	2,479,429	WIDEX A/S	2,479,675
DANDY A/S	2,478,620	MCGLONE, BUDDY B.	2,479,434	WITTENBRINK, ROBERT JAY	2,479,408
DEISS, MICHAEL SCOTT	2,479,395	MEARS, GREGORY C.	2,479,434		
DEISS, MICHAEL SCOTT	2,479,396	MGM GRAND, INC.	2,479,392		
DEISS, MICHAEL SCOTT	2,479,398	MINAMI, YUKIO	2,479,400		
DIEBOLD, INCORPORATED	2,479,399	MOALES, MARK A.	2,479,399		
DRUMMOND, JAY PAUL	2,479,399	MORIGUCHI, TOSHIRO	2,479,538		
EDLUND, DAVID J.	2,477,723	NAKAMURA, OSAMU	2,479,400		
ESS, JOSEPH C.	2,479,399	NARIAI, TOSHIROU	2,479,400		
EXXON RESEARCH AND ENGINEERING COMPANY	2,479,408	NEUKERMANS, ARMAND P.	2,479,822		
FILIPPI, ERMANNO	2,479,827	NICHIA CHEMICAL INDUSTRIES, LTD.	2,479,538		
FINNERAN, JAMES G.	2,479,825	NOGUCHI, YASUNOBU	2,479,538		
FRENCH, THOMAS G.	2,479,434	O'MEARA, ANN MARIE	2,479,629		
FRYE, STEPHEN VERNON	2,478,971	O'MEARA, ANN MARIE	2,479,630		
FUJIKIN INCORPORATED	2,479,400	OHMI, TADAHIRO	2,479,400		
GELLMAN, BARRY N.	2,479,429	OPFER, JOHN C.	2,479,434		
GLAXO WELLCOME INC.	2,478,971	OSAKI, HISASHI	2,479,663		
		OYAMA, TAKUJI	2,479,663		
		PLEDGER, WILLIAM A.	2,477,723		
		PRIEST, JOHN F.	2,479,535		